

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Form 20-F

REGISTRATION STATEMENT PURSUANT TO SECTION 12(b) OR (g) OF THE SECURITIES EXCHANGE ACT OF 1934
Or

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2016

Or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Or

SHELL COMPANY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Commission File No. 333-206723

P.V. NANO CELL LTD.

(Exact name of Registrant as specified in its charter)

N/A

(Translation of the Registrant's name into English)

State of Israel

(Jurisdiction of incorporation)

8 Hamasger Street Migdal Ha'Emek, Israel 2310102

(Address of principal executive offices)

Dr. Fernando de la Vega
Chief Executive Officer and Chairman

8 Hamasger Street
Migdal Ha'Emek, Israel 2310102

Tel: 972.4.654.6881

Fax: 972.4.654.6880

(Name, Telephone, E-mail and/or Facsimile number and Address of Company Contact Person)

Securities registered or to be registered pursuant to Section 12(b) of the Act:

Title of each class

Name of each exchange on which registered

Ordinary shares, par value NIS 0.01
per share

OTCQB marketplace

Indicate the number of outstanding shares of each of the issuer's classes of capital or common stock as of the close of the period covered by the annual report. 14,505,126 ordinary shares, nominal value NIS 0.01 per share, as of December 31, 2016.

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

If this report is an annual or transition report, indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such a shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer and large accelerated filer" in Rule 12b-2 of the Exchange Act. (Check one): Large accelerated filer Accelerated filer Non-accelerated filer

If an emerging growth company that prepares its financial statements in accordance with U.S. GAAP, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards† provided pursuant to Section 13(a) of the Exchange Act.

† The term "new or revised financial accounting standard" refers to any update issued by the Financial Accounting Standards Board to its Accounting Standards Codification after April 5, 2012.

Indicate by check mark which basis of accounting the registrant has used to prepare the financial statements included in this filing:

U.S. GAAP

International Financial Reporting Standards
as issued by the International Accounting Standards Board

Other

If "Other" has been checked in response to the previous question, indicate by check mark which financial statement item the Registrant has elected to follow: Item 17 Item 18

If this is an annual report, indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

(APPLICABLE ONLY TO ISSUERS INVOLVED IN BANKRUPTCY PROCEEDINGS DURING THE PAST FIVE YEARS)

Indicate by check mark whether the registrant has filed all documents and reports required to be filed by Sections 12, 13 or 15(d) of the Securities Exchange Act of 1934 subsequent to the distribution of securities under a plan confirmed by a court. Yes No

TABLE OF CONTENTS

<u>PART I</u>	1
<u>ITEM 1. Identity of Directors, Senior Management and Advisers</u>	1
<u>ITEM 2. Offer Statistics and Expected Timetable</u>	1
<u>ITEM 3. Key Information</u>	1
<u>ITEM 4. Information on the Company</u>	23
<u>ITEM 4A. Unresolved Staff Comments</u>	35
<u>ITEM 5. Operating and Financial Review and Prospects</u>	35
<u>ITEM 6. Directors, Senior Management and Employees</u>	46
<u>ITEM 7. Major Shareholders and Related Party Transactions</u>	63
<u>ITEM 8. Financial Information</u>	67
<u>ITEM 9. The Offer and Listing</u>	67
<u>ITEM 10. Additional Information</u>	68
<u>ITEM 11. Quantitative and Qualitative Disclosures About Market Risk</u>	79
<u>ITEM 12. Description of Securities Other Than Equity Securities</u>	79
<u>PART II</u>	80
<u>ITEM 13. Defaults, Dividend Arrearages and Delinquencies</u>	80
<u>ITEM 14. Material Modifications to the Rights of Security Holders and Use of Proceeds</u>	80
<u>ITEM 15. Controls and Procedures</u>	80
<u>ITEM 16. [RESERVED]</u>	81
<u>ITEM 16A. Audit Committee Financial Expert</u>	81
<u>ITEM 16B. Code of Ethics</u>	81
<u>ITEM 16C. Principal Accountant Fees and Services</u>	81
<u>ITEM 16D. Exemptions from the Listing Standards for Audit Committees</u>	82
<u>ITEM 16E. Purchases of Equity Securities by the Issuer and Affiliated Purchasers</u>	82
<u>ITEM 16F. Change in Registrant's Certifying Accountant</u>	82
<u>ITEM 16G. Corporate Governance</u>	82
<u>ITEM 16H. Mine Safety Disclosure</u>	82
<u>PART III</u>	83
<u>ITEM 17. Financial Statements</u>	83
<u>ITEM 18. Financial Statements</u>	83
<u>ITEM 19. Exhibits</u>	83

ABOUT THIS ANNUAL REPORT

All references to “we”, “us”, “our”, “the Company”, “PV Nano”, and “our Company”, in this Annual Report on Form 20-F, or our annual report, are to P.V. Nano Cell Ltd., unless the context otherwise requires. All references to “shares” or “ordinary shares” are to our ordinary shares, NIS 0.01 nominal par value per share. All references to “Israel” are to the State of Israel. “U.S. GAAP” means the generally accepted accounting principles of the United States. Unless otherwise stated, all of our financial information presented in this annual report has been prepared in accordance with U.S. GAAP. Any discrepancies in any table between totals and sums of the amounts listed are due to rounding. Unless otherwise indicated, or the context otherwise requires, references in this annual report to financial and operational data for a particular year refer to the fiscal year of our company ended December 31 of that year.

Our reporting currency and financial currency is in the U.S. dollar. In this annual report, “NIS” means New Israeli Shekel, and “\$,” “US\$” and “U.S. dollars” mean United States dollars.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Annual Report on Form 20-F contains forward-looking statements that involve risks and uncertainties. All statements other than statements of historical facts contained in this annual report are forward-looking statements. In some cases, you can identify forward-looking statements by words such as “anticipate,” “believe,” “continue,” “could,” “estimate,” “expect,” “intend,” “may,” “plan,” “potential,” “predict,” “project,” “seek,” “should,” “will,” “would,” or the negative of these words or other comparable terminology. These forward-looking statements include, but are not limited to, statements about:

- the potential market opportunities for commercializing our current and planned products;
- our expectations regarding the potential market size for our current and planned products;
- estimates of our expenses, future revenue, capital requirements, and our needs for additional financing;
- our ability to develop and advance our current and planned products;
- the implementation of our business model and strategic plans for our business and products;
- the scope of protection we are able to establish and maintain for intellectual property rights covering our current and planned products;
- our ability to maintain and establish collaborations or obtain additional funding;
- our financial performance; and
- developments and projections relating to our competitors and our industry.

Any forward-looking statements in this Annual Report on Form 20-F reflect our current views with respect to future events or to our future financial performance and involve known and unknown risks, uncertainties, and other factors that may cause our actual results, performance or achievements to be materially different from any future results, performance, or achievements expressed or implied by these forward-looking statements. Factors that may cause actual results to differ materially from current expectations include, among other things, those listed under “Risk Factors” and elsewhere in this annual report. Given these uncertainties, you should not place undue reliance on these forward-looking statements. Except as required by law, we assume no obligation to update or revise these forward-looking statements for any reason, even if new information becomes available in the future.

This annual report also contains estimates, projections, and other information concerning our industry, our business, and the markets for our products, including data regarding the estimated size of those markets. Information that is based on estimates, forecasts, projections, market research, or similar methodologies is inherently subject to uncertainties and actual events or circumstances may differ materially from events and circumstances reflected in this information. Unless otherwise expressly stated, we obtained this industry, business, market, and other data from reports, research surveys, studies, and similar data prepared by market research firms and other third parties, industry and general publications, government data and similar sources.

PART I**ITEM 1. Identity of Directors, Senior Management and Advisers.**

Not applicable.

ITEM 2. Offer Statistics and Expected Timetable.

Not applicable.

ITEM 3. Key Information.**A. Selected Financial Data.****SELECTED FINANCIAL DATA**

We prepare our historical consolidated financial statements in accordance with U.S. GAAP. The selected financial data, set forth in the table below, have been derived from our audited historical financial statements for each of the years from 2013 to 2016. The selected consolidated statements of operations data for the years 2014, 2015 and 2016, and the selected consolidated balance sheets data at December 31, 2015 and 2016, have been derived from our audited consolidated financial statements set forth in “Item 18 – Financial Statements.” The selected consolidated statement of operations data for the year 2013, and the selected consolidated balance sheet data at December 31, 2013 and 2014, have been derived from our previously published audited consolidated financial statements, which are not included in this Annual Report on Form 20-F. These selected financial data should be read in conjunction with our consolidated financial statements, as set forth in Item 18, and are qualified entirely by reference to such consolidated financial statements.

US \$ Consolidated Statement of Operations Data:	Year ended December 31,			
	2013	2014	2015	2016
Revenues	\$ 12,202	\$ 41,953	\$ 60,740	\$ 67,678
Other income	17,170	15,898	7,592	10,403
Total Revenues	29,372	57,851	68,332	78,081
Cost of Revenues	36,771	79,215	69,051	78,622
Gross loss	7,399	21,364	719	541
Research and development, net	834,261	959,746	720,997	632,826
Sales and marketing	110,577	136,770	245,756	336,287
General and administrative	347,843	809,927	807,277	571,110
Total operating expenses	1,292,681	1,906,443	1,774,030	1,540,223
Operating loss	1,300,080	1,927,807	1,774,749	1,540,764
Financial expenses (income), net	291,109	236,561	(1,094)	80,636
Net loss	\$ 1,591,189	\$ 2,164,368	\$ 1,773,655	\$ 1,621,400
Deemed dividend	-	1,842,061	-	-
Net loss attributable to holders of Ordinary shares	\$ 1,591,189	\$ 4,006,429	\$ 1,773,655	\$ 1,621,400
<i>Basic and diluted net loss attributable to holders of Ordinary shares per share</i>	<u>\$ 0.71</u>	<u>\$ 1.24</u>	<u>\$ 0.14</u>	<u>\$ 0.12</u>
<i>Weighted average number of common stock</i>	<u>2,226,900</u>	<u>3,222,644</u>	<u>12,745,710</u>	<u>13,704,673</u>

US \$	Year ended December 31,			
	2013	2014	2015	2016
Consolidated Balance Sheet Data:				
Current assets	\$ 117,895	\$ 816,099	\$ 226,717	\$ 335,798
Non-current assets	215,107	226,546	217,794	400,992
Total assets	393,092	1,042,645	444,511	736,790
Total liabilities	454,796	1,231,823	2,100,092	2,641,009
Total stockholders' deficit	\$ (61,704)	\$ (189,178)	\$ (1,655,581)	\$ (1,904,219)

B. Capitalization and Indebtedness.

Not applicable.

C. Reasons for the Offer and Use of Proceeds.

Not applicable.

D. Risk Factors.

Risks Related to Our Financial Position and Capital Requirements

We have a limited operating history on which to assess our business, have incurred significant losses since our inception, and anticipate that we will continue to incur significant losses for the foreseeable future.

We have a limited operating history. We have incurred net losses since our inception in 2009, including a net loss of approximately \$1.6 million for the year ended December 31, 2016. As of December 31, 2016, we had an accumulated deficit of approximately \$12.2 million. To date, we have financed our operations primarily through the sale of equity and convertible securities and government grants. The amount of our future net losses will depend, in part, on the rate of our future expenditures, our ability to obtain funding through equity or debt financings, strategic collaborations, or grants and our ability to commercialize our products or technologies. We do not know whether or when we will become profitable. Even if we do achieve profitability, we may not be able to sustain or increase profitability on a quarterly or annual basis. Our inability to achieve and then maintain profitability would negatively affect our business, financial condition, results of operations and cash flows.

Our history of net losses has raised substantial doubt regarding our ability to continue as a going concern. If we do not continue as a going concern, investors could lose their entire investment.

We have limited product revenues and revenues generated from our sales of Sicrys™ inks are not presently sufficient to sustain our operations. Our total revenues generated from sales of our inks were \$41,953, \$60,740 and \$67,678 for the years ended December 31, 2014, 2015 and 2016, respectively. We have incurred net losses since our inception in 2009, including a net loss of approximately \$1.6 million for the year ended December 31, 2016.

Our history of net losses has raised substantial doubt about our ability to continue as a going concern, and as a result, our independent registered public accounting firm included an explanatory paragraph in its report on our financial statements as of and for the year ended December 31, 2016 with respect to this uncertainty. We have limited product revenues and revenues generated from our sales of Sicrys™ inks are not presently sufficient to sustain our operations and we believe that we will need to raise significant additional funds before we have significant cash flow from operations. Accordingly, our ability to continue as a going concern will require us to seek alternative financing to fund our operations. This going concern opinion could materially limit our ability to raise additional funds through the issuance of new debt or equity securities or otherwise. Future reports on our financial statements may include an explanatory paragraph with respect to our ability to continue as a going concern.

We will need significant additional capital, which we may be unable to obtain.

As of December 31, 2016, we had cash reserves of \$126,222. As of April 30, 2017, we had sufficient cash to fund operations for approximately two months if we do not raise additional capital. We will need to raise additional capital to continue our operations beyond such two month period, or earlier if we change our current strategy or operating plan. There can be no assurance that additional funds will be available when needed from any source or, if available, will be available on terms that are acceptable to us. We may be required to pursue sources of additional capital through various means, including debt or equity financings. Future financings through equity investments are likely to be dilutive to existing stockholders. Furthermore, the terms of securities we may issue in future capital transactions may be more favorable for our new investors. Newly issued securities may include preferences, superior voting rights, the issuance of warrants or other derivative securities, and the issuances of incentive awards under equity employee incentive plans, which may have additional dilutive effects. Further, we may incur substantial costs in pursuing future capital and/or financing, including investment banking fees, legal fees, accounting fees, printing and distribution expenses and other costs. We may also be required to recognize non-cash expenses in connection with certain securities we may issue, such as convertible notes and warrants, which will adversely impact our financial condition. Our ability to obtain needed financing may be impaired by such factors as the capital markets and our history of losses, which could impact the availability or cost of future financings. If the amount of capital we are able to raise from financing activities, together with our revenues from operations, is not sufficient to satisfy our capital needs, even to the extent that we reduce our operations accordingly, we may be required to cease operations.

We have generated only minimal revenue from product sales and may never be profitable.

We have generated only minimal revenue in the past, from limited sales of our Sicrys™ inks. Our ability to generate revenue and achieve profitability depends on our ability to successfully commercialize our Sicrys™ inks and future products and technologies. Our ability to generate future revenue from product sales depends heavily on our success in many areas, including but not limited to:

- obtaining market acceptance of our products and technologies;
- addressing any competing technological and market developments;
- identifying, assessing, acquiring and/or developing new products and technologies;
- ramping up our production capabilities if and when our sales volume increases;
- expanding our distribution channels, including our ability to enter into cooperation arrangements with printer manufacturers to distribute our inks;
- maintaining, protecting, and expanding our portfolio of intellectual property rights, including patents, trade secrets, and know-how; and
- attracting, hiring, and retaining qualified personnel.

Risks Related to Our Business

If our conductive inks fail to achieve and sustain sufficient market acceptance or if market penetration occurs more slowly than we expect, our future revenue will be adversely affected.

Our success depends, in large part, on our ability to gain market acceptance of our Sicrys™ inks as a reliable and cost-saving alternative to existing printing technologies. Compared to some competing technologies, our nano-metric conductive ink technology is relatively new, and most potential customers have limited knowledge of, or experience with, our conductive inks. Potential customers may be reluctant to adopt our conductive inks as an alternative to conventional printing technologies. Such potential customers may have substantial investments and know-how related to their existing printing technologies, and may perceive risks relating to the reliability, quality, usefulness and profitability of adopting our conductive inks when compared to other printing technologies available in the market. Prior to adopting our conductive inks, some potential customers may need to devote significant time and effort to testing and validating our technology. Any failure of our technology to meet these customer benchmarks could result in customers choosing to retain their existing technology or to purchase technologies other than ours. If we fail to achieve market acceptance of our conductive inks or if market penetration is slower than expected, then our opportunities to grow our revenues and reach profitability will be severely limited.

As one of our strategies to increase sales, we intend to acquire inkjet printers to be deployed, free-of-charge, to consumers who agree to purchase a minimum quantity of inks from us, in certain specific fields (e.g. production of printed circuit boards or PCBs). There can be no assurance that such printers will be available to us on acceptable terms, or at all, that customers will be willing to make such minimum purchase commitments or that the printers will work as expected in the commercial environment. In December 2016, we purchased the first beta printer and deployed it to a customer in Israel. We are currently in the debugging process for this printer, and we are developing customized products with this customer for one layer printed electronics. We intend to eventually enter into an agreement with this printer producer for the sale of our ink. We are negotiating with additional printer producers to develop and provide us with printers which could ultimately enable us to deploy the printers to customers and to provide ink to customers with such printers. There is no assurance that the first printer will be successfully debugged, that the first customer will accept this printer, that the first customer will order any or significant quantities of our ink, that we will enter into an agreement for the sale of our ink with the first customer or any future customers, or that we will successfully conclude our negotiations with additional printer producers and develop additional sources of printers. As an additional strategy to increase sales we have engaged a representative in Korea who has a sub-representative in Japan. Neither of these representatives are employees of the Company. Each is attempting to find additional ink customers for printers that use our ink, including, but not limited to, HP model printers. There is no assurance that these representatives will be successful in any manner in finding customers for our ink or that we will successfully develop business in Korea, Japan or anywhere else in Asia.

In order to expand our capabilities to sell inks and introduce the additive digital conductive printing technologies to the market, in February 2017, we signed an LOI to negotiate in good faith and enter an agreement, subject to the completion of due diligence and other closing conditions, such as obtaining additional funding, to acquire DigiFlex Ltd., or Digiflex, an Israeli corporation which develops, manufactures and distributes its own printing system and polymeric inks (non conductive). DigiFlex has developed and is selling printers for the graphics industry. If an agreement is reached, we intend to adapt the Digiflex printers and the polymer inks they have developed so that they are compatible with our inks and produce multi-layer PCBs. The Digiflex printers are for low volume printing. There is no assurance that an agreement to acquire DigiFlex will be reached. Additionally, there is no assurance that we will be able to adapt the Digiflex printers to our inks, or that they will be able to produce PCBs. Further, there is no assurance that we will be able to adapt the Digiflex printers to our market demands or that they will be accepted by the market and conversely, there is no assurance that we will be able to keep and or ramp up Digiflex sales in the graphics industry, or that we will be able to adapt their inks to our PCB requirements.

Our ink products may not be compatible with commercially available printers and printer heads.

We have successfully certified our ink with several manufacturers of commercially available printers and printer heads, and are in the process of certifying our ink products with additional manufacturers of commercially available printers and printer heads, as this is critically important to convince potential customers to implement inkjet technology and purchase our inks. If we are unable to certify our ink products with a sufficient number of manufacturers of popular printers and printer heads, our ability to widely market our ink products will be impaired and we may be unable to generate significant revenue.

Printer heads generally require compatible inks. An ink may be incompatible for use with a particular printer head for a number of reasons, including, without limitations: because the chemicals used in the ink are not compatible with the materials used in the manufacture of the printer head; or because the physical properties of the ink (e.g., viscosity, surface tension, etc.) are not compatible with the printer head. As a result, there can be no assurance that our inks will be compatible with a sufficient number of printer heads, if any, to support wide scale sales of our inks for digital inkjet printing.

We currently have minimal marketing and sales capabilities. If we are unable to establish significant sales and marketing capabilities or enter into agreements with third parties to market and sell our products, we may be unable to generate significant revenue.

Although our employees may have sold other similar products in the past while employed at other companies, we as a company have minimal experience selling and marketing our conductive inks and we currently have a small marketing and sales operation consisting of one full-time marketing employee and one sales representative in Korea who has a representative in Japan. In addition, our Chief Executive Officer generally devotes a portion of his efforts to increasing awareness of, and marketing, our products. To successfully commercialize our Sicrys™ inks and any products that may result from our development programs, we will need to develop these capabilities, either on our own or with others. We intend to collaborate with additional third party distributors and sales agents with established sales and marketing operations and industry experience to market our inks. However, there can be no assurance that we will be able to enter into distribution and/or sales agency agreements on terms acceptable to us, or at all, or that such distributors or sales agents will be successful in marketing our inks. If our future distributors or sales agents do not commit sufficient resources to commercialize our products, we will be unable to generate sufficient product revenue to sustain our business. We may be competing with companies that currently have extensive and well-funded marketing and sales operations. Without an internal team or the support of a third party to perform marketing and sales functions, we may be unable to compete successfully against these more established companies.

Our manufacturing capacity and operations may not be appropriate for future levels of demand.

We manufacture our inks at our Migdal Ha'Emek facilities. We currently have capacity to produce an estimated two tons of ink per year and intend to upgrade our facilities (estimated at \$500,000) to increase production capacity to 20 tons per year, if and when demand for our inks is projected to surpass our production capabilities. If the demand for our conductive inks does not increase, we may have significant excess manufacturing capacity and under-absorption of our fixed costs, which could in turn adversely affect our gross margins. In the event that demand for our conductive inks outgrows our internal manufacturing capacity, we intend to engage third-party manufacturers to produce additional inks. There can be no assurance that we will be able to enter into agreements with qualified manufacturers on terms acceptable to us, or at all, or that, once contracted, such manufacturers will perform as expected.

We are subject to a multitude of manufacturing risks, any of which could substantially increase our costs and limit supply of our products and technologies.

The process of manufacturing our products and technologies is complex and subject to several risks and uncertainties, including but not limited to: our ability to scale up our production if and when demand for our inks grows and the quality, availability and prices of the raw materials (including, in particular, silver and copper) necessary for production of our inks. Any adverse developments affecting manufacturing operations for our products and technologies may result in shipment delays, inventory shortages, lot failures, withdrawals or recalls, or other interruptions in the supply of our products and technologies. We may also have to take inventory write-offs and incur other charges and expenses for products and technologies that fail to meet specifications, undertake costly remediation efforts, or seek more costly manufacturing alternatives.

We face intense competition and rapid technological change and the possibility that our competitors may develop products that are similar to, more advanced than, or more effective than ours, which may adversely affect our financial condition and our ability to successfully commercialize our products and technologies.

The digital electronic printing and inkjet conductive ink manufacturing industries are extremely competitive. We are currently aware of various existing products in the market and in development that may compete with our products and technologies. To our knowledge, more than twenty other companies are currently developing silver-based inkjet inks for PE digital electronic inkjet printing applications. Some of these companies are selling conductive inkjet inks for PE applications. Of those, to our knowledge, no other company claims to have metallization inkjet inks for silicon nitride based PV applications.

In addition, silver-based inks are more expensive than copper-based inks. We are aware of at least four companies seeking to develop copper-based inks for inkjet printing, including NovaCentrix, Hitachi Chemical Co. Ltd., Intrinsic Materials Ltd. and Nanotec-USA. However, to our knowledge, none of our competitors has copper-based inks in mass production and at a commercially viable price and quantity, and some are using copper oxide as a precursor in their inks instead of copper. Copper precursors are less effective for thick patterns and high throughput. To our knowledge, we are the only company offering as much as a 50% copper inkjet ink, although we are not yet in mass production. As, to our knowledge, no one has proven our strategy to be effective, there is no assurance that we will be successful and the utilization of 50% copper inkjet ink may not prevail.

Many of our competitors have substantially greater financial, technical, and other resources, such as larger research and development staff and experienced marketing and manufacturing organizations. Mergers and acquisitions in the conductive ink industry may result in even more resources being concentrated in our competitors. As a result, these companies may be more effective in selling and marketing their products. Smaller or early-stage companies may also prove to be significant competitors, particularly through collaborative arrangements with large, established companies. Competition may increase further as a result of advances in the commercial applicability of technologies and greater availability of capital for investment in this industry. Our competitors may succeed in developing, acquiring, or licensing on an exclusive basis, products that are more effective or less costly than our current or future products or technologies, or achieve earlier patent protection, product commercialization, and market penetration than we do. Additionally, technologies developed by our competitors may render our potential products and technologies uneconomical or obsolete, and we may not be successful in marketing our products and technologies against competitors.

We may not be successful in our efforts to identify, license, or discover additional products and technologies.

Although we intend to focus a substantial amount of our research and development efforts on the continued development and commercialization of our existing products and technologies, the success of our business also depends upon our ability to identify, license, or discover additional products and technologies. Our research programs or licensing efforts may fail to yield additional products and technologies for development for a number of reasons, including but not limited to the following:

- our research or business development methodology or search criteria and process may be unsuccessful in identifying potential products and technologies;
- we may not be able or willing to assemble sufficient resources to acquire or discover additional products and technologies;
- our products and technologies may not succeed in testing;
- our potential products and technologies may have characteristics that make them unmarketable;
- competitors may develop alternatives that render our products and technologies obsolete or less attractive;
- products and technologies we develop may be covered by third parties' patents or other exclusive rights;
- the market for a product may change during our program so that such a product becomes unreasonable to continue to develop; and
- a product may not be capable of being produced in commercial quantities at an acceptable cost, or at all.

If any of these events occurs, we may be forced to abandon our development efforts for a program or programs, or we may not be able to identify, license, or discover additional products and technologies, which would have a material adverse effect on our business and could potentially cause us to cease operations. Research programs to identify new products and technologies require substantial technical, financial, and human resources. We may focus our efforts and resources on potential programs or products and technologies that ultimately prove to be unsuccessful.

Sustained declines in worldwide oil prices could adversely affect our business.

Worldwide oil prices have recently declined. Oil is used as a fuel for electricity generation in only a small percentage of applications worldwide, compared to natural gas or coal-fired electricity generation and other forms of electricity generation, and accordingly, fluctuations in oil prices generally do not have a significant direct causal effect on prevailing competitive electricity prices, including electricity from solar sources. Nonetheless, sustained decreases in oil prices could result in decreased demand for solar sources of energy, which in turn would materially adversely affect our business, prospects and results of operations.

International expansion of our business exposes us to business, regulatory, political, operational, financial, and economic risks associated with doing business outside of Israel.

Our headquarters are located in Israel (as further described below), and we currently do not have any operations outside of Israel. However our business strategy incorporates potentially significant international expansion, particularly in China. Doing business internationally involves a number of risks, including but not limited to:

- multiple, conflicting, and changing laws and regulations such as privacy regulations, tax laws, export and import restrictions, employment laws, regulatory requirements, and other governmental approvals, permits, and licenses;
- additional potentially relevant third-party patent rights;
- complexities and difficulties in obtaining protection for and enforcing our intellectual property rights;
- difficulties in staffing and managing foreign operations;
- limitations in our ability to penetrate international markets;
- financial risks, such as longer payment cycles, difficulty collecting accounts receivable, the impact of local and regional financial crises on demand and payment for our products, and exposure to foreign currency exchange rate fluctuations;
- changes in foreign regulations and customs;
- changes in currency exchange rates and currency controls;
- changes in a specific country's or region's political or economic environment;
- natural disasters, wars, terrorism, outbreak of disease, boycotts, curtailment of trade, and other business restrictions; and
- certain expenses including, among others, expenses for travel, translation, and insurance.

Any of these factors could significantly harm our future international expansion and operations and, consequently, our results of operations.

If we fail to comply with environmental, health and safety laws and regulations, we could become subject to fines or penalties or incur costs that could have a material adverse effect on the success of our business.

We are subject to numerous environmental, health and safety laws, regulations and permitting requirements in Israel, including those governing the emission and discharge of hazardous materials into ground, air or water; noise emissions; the generation, storage, use, management and disposal of hazardous waste; the registration of chemicals and in the future also import and export of chemicals; the cleanup of contaminated sites; and the health and safety of our employees. We expect to be subject to similar regulations in any other jurisdictions in which we may establish manufacturing operations in the future. Some of these laws and regulations require us to obtain licenses or permits to conduct our operations. Environmental laws and regulations are complex, change frequently and have tended to become more stringent over time. If we violate or fail to comply with these laws, regulations, licenses or permits, we could be fined or otherwise sanctioned by regulators. We cannot predict the impact on our business of new or amended laws or regulations or any changes in the way existing and future laws and regulations are interpreted or enforced, nor can we ensure we will be able to obtain or maintain any required licenses or permits.

The health effects of nanotechnology are unknown.

There is no scientific agreement on the health effects of nanomaterials, but some scientists believe that, in some cases, nanomaterials may be hazardous to an individual's health or the environment. The science of nanotechnology is based on arranging atoms in such a way as to modify or build materials. Depending on the nanomaterials used, the resulting material may not be found in nature; therefore, the effects are unknown. Our technologies are based on nanometals that are, at most times, dispersed in a liquid minimizing the exposures risks. Moreover, once the metal particles have been printed and sintered they are no longer nanometals, therefore lowering the risks. We take appropriate precautions for employees working with our materials and believe that any health risks related to the nanometals used in potential products can be minimized. Future research into the effects of nanomaterials, in general, on health and environmental issues may have an adverse effect on products using our technology.

Public perceptions of ethical and social issues may discourage the use of nanotechnology.

Nanotechnology has received both positive and negative publicity and is the subject of public discussion and debate. Governments and regulatory bodies may, for social or health purposes, prohibit or regulate the use of nanotechnology. This may restrict our ability to license our technology, or the ability of our future licensees (if any) to sell products.

Our future success depends in part on our ability to retain our Chief Executive Officer and to attract, retain, and motivate other qualified personnel.

We are highly dependent on Dr. Fernando de la Vega, our co-founder and Chief Executive Officer and Chairman, and the loss of his services without a proper replacement would adversely impact the achievement of our objectives. Under the terms of his services agreement with us, Dr. de la Vega may cease providing services to us at any time by providing 30 days' prior written notice. Recruiting and retaining other qualified employees, consultants, and advisors for our business, including scientific and technical personnel, will also be critical to our success. Locating and attracting skilled personnel may take time. We may not be able to attract and retain personnel on acceptable terms given the competition among numerous high-technology companies for individuals with similar skill sets. The inability to recruit and retain qualified personnel, or the loss of the services of Dr. de la Vega without proper replacement, may impede the progress of our research, development, and commercialization objectives.

We will need to expand our organization and we may experience difficulties in managing this growth, which could disrupt our operations.

As our development and commercialization plans and strategies develop, we expect to need additional managerial, operational, sales, marketing, financial, legal, and other resources. Our management may need to divert a disproportionate amount of its attention away from our day-to-day activities and devote a substantial amount of time to managing these growth activities. We may not be able to effectively manage the expansion of our operations, which may result in weaknesses in our infrastructure, operational mistakes, loss of business opportunities, loss of employees, and reduced productivity among remaining employees. Our expected growth could require significant capital expenditures and may divert financial resources from other projects, such as the development of additional products and technologies. If our management is unable to effectively manage our growth, our expenses may increase more than expected, our ability to generate and/or grow revenue could be reduced and we may not be able to implement our business strategy. Our future financial performance and our ability to commercialize products and technologies and compete effectively will depend, in part, on our ability to effectively manage any future growth.

We are dependent on a license for the additives necessary for the metallization of our inks.

In order for our inks to be suitable for use in silicon nitride based solar cell metallization processes, we use certain additives in our inks. These additives are not readily commercially available, and we have an exclusive license for these additives from the Fraunhofer Institute, IKTS, or IKTS, in Germany, which developed them especially for our inks. Pursuant to the license, IKTS has agreed to manufacture a limited quantity of such additives for us each year. If we require greater quantities, IKTS has agreed to transfer the production file and knowhow to our chosen manufacturer. If IKTS is not able to supply these additives in sufficient quantities or at an acceptable quality, we will need to seek other sources for such additives. However, we are not aware of any other party capable of manufacturing such additives without an orderly transfer by IKTS, as they were specially designed by IKTS for use with our inks. Furthermore, even if we obtain the production file and knowhow for such additives, we may have difficulty in finding other manufacturers with the ability or technical knowledge to utilize such information to produce such additives in our desired quantities and quality, or at all. Any of these events could materially impair our ability to manufacture inks suitable for use in solar cell metallization processes in sufficient quantities or at all, which would have a material adverse effect on our business, financial condition, results of operations, and cash flows.

We are subject to risks resulting from fluctuations in the price of silver.

The manufacturing process for our silver-based inks utilizes a silver salt, the price of which is linked to the price of silver. The price of silver is affected by numerous factors beyond our control, including inflation, fluctuation of the United States dollar and foreign currencies, global and regional demand, speculative activities by commodities traders and others and the political and economic conditions of major silver producing countries throughout the world. The volatility of mineral prices represents a substantial risk which no amount of planning or technical expertise can fully eliminate. In the event silver prices increase and remain high for prolonged periods of time, we may not be able to produce silver-based inks at a price which is cost effective for manufacturers of solar cells. Furthermore, if the price of silver decreases substantially and remains low for prolonged periods of time, the value proposition that we believe is offered by our copper-based nano-metric ink may be substantially decreased, since a low price of the silver used in their manufacturing processes reduces the incentive for manufacturers of electronic devices to replace silver with another metal, such as copper. Any of the foregoing would have a material adverse effect on our business, financial condition, results of operations, and cash flows.

Our U.S. investors may suffer adverse tax consequences if we are characterized as a passive foreign investment company.

Generally, if for any taxable year 75% or more of our gross income is passive income, or at least 50% of our assets are held for the production of, or produce, passive income, we would be characterized as a passive foreign investment company, or a PFIC, for U.S. federal income tax purposes. We have not determined whether we have been a PFIC for 2016 or any previous year, or whether we will be a PFIC in 2017 or in any future year. Because PFIC status is determined annually and is based on our income, assets and activities for the entire taxable year, there can be no assurance that we will not be classified as a PFIC in any year. If we were to be characterized as a PFIC for U.S. federal income tax purposes in any taxable year during which a U.S. Investor, as defined in “Taxation — U.S. Federal Income Tax Consequences”, owns Ordinary Shares, such U.S. Investor could face adverse U.S. federal income tax consequences, including having gains realized on the sale of our Ordinary Shares classified as ordinary income, rather than as capital gain, the loss of the preferential rate applicable to dividends received on our Ordinary Shares by individuals who are U.S. Investors, and having interest charges apply to distributions by us and the proceeds of share sales. A “qualified electing fund” election may alleviate some of the adverse consequences of PFIC status; however, we do not intend to provide the information necessary for U.S. Investors to make qualified electing fund elections if we are classified as a PFIC. See “Taxation — U.S. Federal Income Tax Consequences.”

As an “emerging growth company” under the JOBS Act, we are permitted to, and intend to, rely on exemptions from certain disclosure requirements, which could make the Ordinary Shares less attractive to investors.

We qualify as an “emerging growth company,” as defined in the JOBS Act. For as long as we are deemed an emerging growth company, we are permitted to and intend to take advantage of specified reduced reporting and other regulatory requirements that are generally unavailable to other public companies, including:

- an exemption from the auditor attestation requirement in the assessment of our internal controls over financial reporting required by Section 404 of the Sarbanes-Oxley Act; and
- an exemption from compliance with any new requirements adopted by the PCAOB, requiring mandatory audit firm rotation or a supplement to the auditor’s report in which the auditor would be required to provide additional information about our audit and our financial statements.

We may take advantage of these provisions until the last day of our fiscal year following the fifth anniversary of the date of the first sale of our common equity securities pursuant to an effective registration statement under the Securities Act. However, if certain events occur prior to the end of such five year period, including if we become a “large accelerated filer,” our annual gross revenues exceed \$1 billion or we issue more than \$1 billion of non-convertible debt in any three-year period, we will cease to be an emerging growth company prior to the end of such five-year period.

Section 107 of the JOBS Act provides that an “emerging growth company” can take advantage of the extended transition period provided in Section 7(a)(2)(B) of the Securities Act for complying with new or revised accounting standards. This means that an “emerging growth company” can delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We are electing to delay such adoption of new or revised accounting standards. As a result, our financial statements may not be comparable to companies that comply with the public company effective date.

We cannot predict if investors will find the Ordinary Shares less attractive because we may rely on these exemptions. If some investors find the Ordinary Shares less attractive as a result, there may be a less active trading market for the Ordinary Shares and the market price of the Ordinary Shares may be more volatile.

Risks Related to Our Intellectual Property

If we are unable to obtain and maintain effective patent rights for our products and technologies or any future products and technologies, we may not be able to compete effectively in our markets.

We rely upon a combination of patents, trade secret protection, and confidentiality agreements to protect the intellectual property related to our products and technologies. Our success depends in large part on our and our licensors’ ability to obtain and maintain patent and other intellectual property protection in the United States and in other countries with respect to our proprietary technology and products.

We have sought to protect our proprietary position by filing patent applications in the United States and abroad related to our novel technologies and products that are important to our business. The silver ink-related patent applications have been granted in the USA, China and Russia and are pending in a number of additional countries. The applications for copper ink-related patents are pending in a number of countries. This process is expensive and time consuming, and we may not be able to file and prosecute all necessary or desirable patent applications at a reasonable cost or in a timely manner. It is also possible that we will fail to identify patentable aspects of our research and development output before it is too late to obtain patent protection.

The patent position of technology companies generally is highly uncertain and involves complex legal and factual questions for which legal principles remain unsolved. The patent applications that we own or in-license may fail to result in issued patents with claims that cover our products and technologies in the United States or in other foreign countries. There is no assurance that all potentially relevant prior art relating to our patents and patent applications has been found. The discovery of relevant prior art can invalidate a patent or prevent a patent from issuing from a pending patent application. Even if patents do successfully issue, and even if such patents cover our products and technologies, third parties may challenge their validity, enforceability, or scope, which may result in such patents being narrowed, found unenforceable or invalidated. Furthermore, even if they are unchallenged, our patents and patent applications may not adequately protect our intellectual property, provide exclusivity for our products and technologies, or prevent others from designing around our claims. Any of these outcomes could impair our ability to prevent competition from third parties, which may have an adverse impact on our business.

We, independently or together with our licensors, have filed several patent applications covering various aspects of our products and technologies. We cannot provide any assurances about which, if any, patents will issue, the breadth of any such patent or whether any issued patents will be found invalid and unenforceable or will be threatened by third parties. Any successful opposition to these patents or any other patents owned by or licensed to us after patent issuance could deprive us of rights necessary for the successful commercialization of any products and technologies that we may develop. Further, if we encounter delays in regulatory approvals, the period of time during which we could market a product under patent protection could be reduced.

If we cannot obtain and maintain effective patent rights for our products and technologies, we may not be able to compete effectively and our business and results of operations would be harmed.

We may not have sufficient patent terms to effectively protect our products and business.

Patents have a limited lifespan. In the United States, the natural expiration of a patent is generally 20 years after it is filed. Although various extensions may be available, the life of a patent, and the protection it affords, is limited. Even if patents covering our products and technologies are obtained, once the patent life has expired for a product, we may be open to competition.

The patent protection and patent prosecution for some of our products and technologies is dependent on third parties.

While we normally seek and gain the right to fully prosecute the patents relating to our products and technologies, there may be times when patents relating to our products and technologies are controlled by our licensors. In addition, even where we now have the right to control the prosecution of patents and patent applications we have licensed from third parties, we may still be adversely affected or prejudiced by actions or inactions of our licensors and their counsel that took place prior to us assuming control over patent prosecution.

Patent policy and rule changes could increase the uncertainties and costs surrounding the prosecution of our patent applications and the enforcement or defense of our issued patents.

Changes in either the patent laws or interpretation of the patent laws in the United States and other countries may diminish the value of our patents or narrow the scope of our patent protection. The laws of foreign countries may not protect our rights to the same extent as the laws of the United States. Publications of discoveries in the scientific literature often lag behind the actual discoveries, and patent applications in the United States and other jurisdictions are typically not published until 18 months after filing, or in some cases not at all. We therefore cannot be certain that we or our licensors were the first to make any invention claimed in our owned and licensed patents or pending applications, or that we or our licensor were the first to file for patent protection of any such invention. Assuming the other requirements for patentability are met, in the United States prior to March 15, 2013, the first to make the claimed invention is entitled to the patent, while outside the United States, the first to file a patent application is entitled to the patent. After March 15, 2013, under the Leahy-Smith America Invents Act, or the Leahy-Smith Act, enacted on September 16, 2011, the United States has moved to a first to file system. The Leahy-Smith Act also includes a number of significant changes that affect the way patent applications will be prosecuted and may also affect patent litigation. The effects of these changes are currently unclear as the United States Patent and Trademark office, or the USPTO, must still implement various regulations, the courts have yet to address any of these provisions and the applicability of the act and new regulations on specific patents discussed herein have not been determined and would need to be reviewed. In general, the Leahy-Smith Act and its implementation could increase the uncertainties and costs surrounding the prosecution of our patent applications and the enforcement or defense of our issued patents, all of which could have a material adverse effect on our business and financial condition.

If we are unable to maintain effective proprietary rights for our products and technologies or any future products and technologies, we may not be able to compete effectively in our markets.

In addition to the protection afforded by patents, we rely on trade secret protection and confidentiality agreements to protect proprietary knowhow that is not patentable or that we elect not to patent, processes for which patents are difficult to enforce and any other elements of our product candidate discovery and development processes that involve proprietary knowhow, information or technology that is not covered by patents. However, trade secrets can be difficult to protect. We seek to protect our proprietary technology and processes, in part, by entering into confidentiality agreements with our employees, consultants, scientific advisors, and contractors. We also seek to preserve the integrity and confidentiality of our data and trade secrets by maintaining physical security of our premises and physical security of our information technology systems. While we have confidence in these individuals, organizations and systems, agreements or security measures may be breached, and we may not have adequate remedies for any breach. In addition, our trade secrets may otherwise become known or be independently discovered by competitors.

Although we expect all of our employees and consultants to assign their inventions to us, and all of our employees, consultants, advisors, and any third parties who have access to our proprietary knowhow, information, or technology to enter into confidentiality agreements, we cannot provide any assurances that all such agreements have been duly executed or that our trade secrets and other confidential proprietary information will not be disclosed or that competitors will not otherwise gain access to our trade secrets or independently develop substantially equivalent information and techniques. Misappropriation or unauthorized disclosure of our trade secrets could impair our competitive position and may have a material adverse effect on our business. Additionally, if the steps taken to maintain our trade secrets are deemed inadequate, we may have insufficient recourse against third parties for misappropriating the trade secret.

Third-party claims of intellectual property infringement may prevent or delay our development and commercialization efforts.

Our commercial success depends in part on our avoiding infringement of the patents and proprietary rights of third parties. There have been many lawsuits and other proceedings involving patent and other intellectual property rights in the high-technology industries, including patent infringement lawsuits, interferences, oppositions, and reexamination proceedings before the USPTO and corresponding foreign patent offices. Numerous U.S. and foreign issued patents and pending patent applications, which are owned by third parties, exist in the fields in which we are developing products and technologies. As the conductive ink industry expands and more patents are issued, the risk increases that our products and technologies may be subject to claims of infringement of the patent rights of third parties.

Third parties may assert that we are employing their proprietary technology without authorization. There may be third-party patents or patent applications with claims to materials, formulations, or methods of manufacture related to the use or manufacture of our products and technologies. Because patent applications can take many years to issue, there may be currently pending patent applications that may later result in issued patents that our products and technologies may infringe. In addition, third parties may obtain patents in the future and claim that use of our technologies infringes upon these patents. If any third-party patents were held by a court of competent jurisdiction to cover the manufacturing process of any of our products and technologies, the holders of any such patents may be able to block our ability to commercialize such product or technology unless we obtained a license under the applicable patents, or until such patents expire or are finally determined to be invalid or unenforceable.

Similarly, if any third-party patents were held by a court of competent jurisdiction to cover aspects of our formulations, processes for manufacture, or methods of use, the holders of any such patents may be able to block our ability to develop and commercialize the applicable product or technology unless we obtained a license or until such patent expires or is finally determined to be invalid or unenforceable. In either case, such a license may not be available on commercially reasonable terms or at all.

Parties making claims against us may obtain injunctive or other equitable relief, which could effectively block our ability to further develop and commercialize one or more of our products and technologies. Defense of these claims, regardless of their merit, would involve substantial litigation expense and would be a substantial diversion of employee resources from our business. In the event of a successful claim of infringement against us, we may have to pay substantial damages (including treble damages and attorneys' fees for willful infringement), pay royalties, redesign our infringing products or obtain one or more licenses from third parties, which may be impossible or require substantial time and monetary expenditure.

We may be involved in lawsuits to protect or enforce our patents or the patents of our licensors, which could be expensive, time consuming, and unsuccessful.

Competitors may infringe our patents or the patents of our licensors. If we or one of our licensing partners were to initiate legal proceedings against a third party to enforce a patent covering one of our products or technologies, the defendant could counterclaim that the patent covering our product or technology is invalid and/or unenforceable. In patent litigation in the United States, defendant counterclaims alleging invalidity and/or unenforceability are commonplace. Grounds for a validity challenge could be an alleged failure to meet any of several statutory requirements, including lack of novelty, obviousness, or non-enablement. Grounds for an unenforceability assertion could be an allegation that someone connected with prosecution of the patent withheld relevant information from the USPTO, or made a misleading statement to the USPTO, during prosecution. The outcome following legal assertions of invalidity and unenforceability is unpredictable.

Interference proceedings provoked by third parties or brought by us or declared by the USPTO may be necessary to determine the priority of inventions with respect to our patents or patent applications or those of our licensors. An unfavorable outcome could require us to cease using the related technology or to attempt to license rights to it from the prevailing party. Our business could be harmed if the prevailing party does not offer us a license on commercially reasonable terms. Our defense of litigation or interference proceedings may fail and, even if successful, may result in substantial costs and distract our management and other employees.

Furthermore, because of the substantial amount of discovery required in connection with intellectual property litigation, there is a risk that some of our confidential information could be compromised by disclosure during this type of litigation. There could also be public announcements of the results of hearings, motions, or other interim proceedings or developments. If securities analysts or investors perceive these results to be negative, it could have a material adverse effect on the price of our Ordinary Shares.

We may be subject to claims that our employees, consultants, or independent contractors have wrongfully used or disclosed confidential information of third parties or that our employees have wrongfully used or disclosed alleged trade secrets of their former employers.

We employ individuals, including our Chief Executive Officer, who were previously employed at other high-technology companies, including our competitors or potential competitors. Although we try to ensure that our employees, consultants, and independent contractors do not use the proprietary information or know-how of others in their work for us, we may be subject to claims that we or our employees, consultants, or independent contractors have inadvertently or otherwise used or disclosed intellectual property, including trade secrets or other proprietary information, of any of our employees' former employers or other third parties. Litigation may be necessary to defend against these claims. If we fail in defending any such claims, in addition to paying monetary damages, we may lose valuable intellectual property rights or personnel, which could adversely impact our business. Even if we are successful in defending against such claims, litigation could result in substantial costs and be a distraction to management and other employees. In 2009, Cima NanoTech Ltd., or Cima, the former employer of Dr. de la Vega, our Chief Executive Officer, claimed in several letters to Dr. de la Vega that he had violated a non-competition provision in his agreement and alleged, in certain of those letters, that Dr. de la Vega may have improperly used certain of Cima's intellectual property. Those letters also threatened legal action against Dr. de la Vega. To our knowledge, Cima has not initiated any formal action against us or Dr. de la Vega in relation to such claims or otherwise and has never threatened legal action against us. However, the statute of limitations has not expired and therefore Cima may seek to initiate a legal action against Dr. de la Vega or us any time prior to the termination of the applicable statute of limitations. While Dr. de la Vega denies the allegations made by Cima, there can be no assurance that he or we would be meritorious in any legal proceeding relating to such claims. If Cima brought a legal action against the Company in respect of such claims, even if we were to prevail in our defense of such action, our response to such litigation could require the expenditure of significant financial and managerial resources, which could have an adverse impact on our business, financial condition, results of operations, and cash flows. If Cima were to prevail in such litigation, we may be required to pay compensatory damages to Cima and may be required to cease using certain technology in our products or replace such technology with non-infringing technology, which we may not be able to do at an acceptable cost and on acceptable terms or at all. Any of the foregoing could have an adverse impact on our business, financial condition, results of operations, and cash flows.

We may be subject to claims that former or current employees, collaborators or other third parties have an interest in our patents or other intellectual property as an inventor or co-inventor. For example, we may have inventorship disputes arise from conflicting obligations of consultants or others who are involved in developing our products in defending any such claims, in addition to paying monetary damages, we may lose valuable intellectual property rights, such as exclusive ownership of, or right to use, valuable intellectual property. Such an outcome could have a material adverse effect on our business. Even if we are successful in defending against such claims, litigation could result in substantial costs and be a distraction to management and other employees.

Under the Israeli Patent Law, 5727-1967, or the Patent Law, inventions conceived by an employee during the scope of his or her employment with a company are regarded as “service inventions,” which belong to the employer, absent a specific agreement between the employee and employer giving the employee service invention rights. The Patent Law also provides that if there is no such agreement between an employer and an employee, the Israeli Compensation and Royalties Committee, or the Committee, a body constituted under the Patent Law, shall determine whether the employee is entitled to remuneration for his or her inventions. Recent decisions by the Committee have created uncertainty in this area, as it held that employees may be entitled to remuneration for their service inventions unless they specifically waived their rights under the Patent Law. Further, the Committee has not yet determined the method for calculating this Committee-enforced remuneration or the criteria or circumstances under which an employee’s assignment of all rights and/or waiver of his or her right to remuneration will be disregarded. Although our employees have agreed to assign to us service invention rights, we may face claims demanding remuneration in consideration for assigned inventions. As a consequence of such claims, we could be required to pay additional remuneration or royalties to our current and/or former employees, or be forced to litigate such claims, which could negatively affect our business.

If we fail to comply with our obligations in the agreements under which we license intellectual property and other rights from third parties or otherwise experience disruptions to our business relationships with our licensors, we could lose license rights that are important to our business.

We are a party to a number of intellectual property license agreements that are important to our business and may enter into additional license agreements in the future. Our existing license agreements impose, and we expect that future license agreements will impose, various diligence, reporting, royalty, minimum annual license fees, and other obligations on us. If we fail to comply with our obligations under these agreements, or we are subject to a bankruptcy, we may be required to make certain payments to the licensor, we may lose the exclusivity of our license, or the licensor may have the right to terminate the license, in which event we would not be able to develop or market products covered by the license. Additionally, the royalty payments associated with these licenses will make it less profitable for us to develop our products and technologies.

We may not be successful in obtaining or maintaining necessary rights to our products and technologies through acquisitions and in-licenses.

We currently have rights to the intellectual property, through licenses from third parties and under patents that we own, to develop our products and technologies. Because our programs may require the use of proprietary rights held by third parties, the growth of our business will likely depend in part on our ability to acquire, in-license, or use these proprietary rights. In addition, our products and technologies may require specific formulations to work effectively and efficiently and the rights to these formulations may be held by others. We may be unable to acquire or in-license any compositions, methods of use, processes, or other third-party intellectual property rights from third parties that we identify as necessary for our products and technologies. The licensing and acquisition of third-party intellectual property rights is a competitive area, and a number of more established companies are also pursuing strategies to license or acquire third-party intellectual property rights that we may consider attractive. These established companies may have a competitive advantage over us due to their size, cash resources, and greater development and commercialization capabilities.

In addition, companies that perceive us to be a competitor may be unwilling to assign or license rights to us. We also may be unable to license or acquire third-party intellectual property rights on terms that would allow us to make an appropriate return on our investment. If we are unable to successfully obtain rights to required third-party intellectual property rights, we may have to abandon development of that program and our business and financial condition could suffer.

We may not be able to fully enforce covenants not to compete with our key employees, and therefore we may be unable to prevent our competitors from benefiting from the expertise of such employees.

Our employment agreements with our key employees contain non-compete provisions. These provisions prohibit our key employees, if they cease working for us, from competing directly with us or working for our competitors for a limited period of time. We may be unable to enforce these provisions under applicable laws in Israel where all of our key employees reside. In Israel, the Basic Law: Freedom of Occupation, as interpreted by binding case law, may restrict our ability to enforce non-compete provisions against our employees. If we cannot enforce our non-compete provisions against our employees, we may be unable to prevent our competitors from benefiting from the expertise of such employees. Even if these provisions are enforceable, they may not adequately protect our interests. As a result, if one or more of our employees leaves our employment and subsequently becomes employed by one of our competitors, our business, results of operations and ability to capitalize on our proprietary information may be materially adversely affected.

We may not be able to protect our intellectual property rights throughout the world.

Filing, prosecuting, and defending patents on products and technologies in all countries throughout the world would be prohibitively expensive, and our intellectual property rights in some countries outside the United States can be less extensive than those in the United States. In addition, the laws of some foreign countries do not protect intellectual property rights to the same extent as federal and state laws in the United States.

Competitors may use our technologies in jurisdictions where we have not obtained patent protection to develop their own products and may also export otherwise infringing products to territories where we have patent protection, but enforcement is not as strong as that in the United States. These products may compete with our products and our patents or other intellectual property rights may not be effective or sufficient to prevent them from competing.

Many companies have encountered significant problems in protecting and defending intellectual property rights in foreign jurisdictions. The legal systems of certain countries, particularly certain developing countries, do not favor the enforcement of patents, trade secrets, and other intellectual property protection, which could make it difficult for us to stop the infringement of our patents or marketing of competing products in violation of our proprietary rights generally. Proceedings to enforce our patent rights in foreign jurisdictions, whether or not successful, could result in substantial costs and divert our efforts and attention from other aspects of our business, could put our patents at risk of being invalidated or interpreted narrowly and our patent applications at risk of not issuing and could provoke third parties to assert claims against us. We may not prevail in any lawsuits that we initiate and the damages or other remedies awarded, if any, may not be commercially meaningful. Accordingly, our efforts to enforce our intellectual property rights around the world may be inadequate to obtain a significant commercial advantage from the intellectual property that we develop or license.

Risks Related to Our Operations in Israel

Our headquarters and other significant operations are located in Israel and, therefore, our results may be adversely affected by political, economic and military instability in Israel.

Our executive offices are located in Migdal Ha'Emek, Israel. In addition, the majority of our officers and directors are residents of Israel. Accordingly, political, economic and military conditions in Israel may directly affect our business. Since the establishment of the State of Israel in 1948, a number of armed conflicts have taken place between Israel and its neighboring countries and militia groups. Any hostilities involving Israel or the interruption or curtailment of trade between Israel and its trading partners could adversely affect our operations and results of operations. Certain of these conflicts involved missile strikes against civilian targets in various parts of Israel, including the city in which our headquarters are located as well as areas in which our employees and some of our consultants are located, and negatively affected business conditions in Israel. Recently, Israel was involved in a military operation against Hamas militants in Gaza. In connection with this operation, Israel called up a large number of reservists to active duty. Furthermore, Hamas militants in Gaza have fired thousands of rockets at Israel, including Tel Aviv, Israel's main financial center. Any armed conflicts, terrorist activities or political instability in the region could adversely affect business conditions and could harm our results of operations and could make it more difficult for us to raise capital. Parties with whom we do business may sometimes decline to travel to Israel during periods of heightened unrest or tension, forcing us to make alternative arrangements when necessary in order to meet our business partners face to face. In addition, the political and security situation in Israel may result in parties with whom we have agreements involving performance in Israel claiming that they are not obligated to perform their commitments under those agreements pursuant to force majeure provisions in such agreements. Israel also faces threats from more distant neighbors, in particular, Iran, an ally of Hezbollah and Hamas. There is current unrest in Egypt and a civil war in Syria, both of which are neighboring countries to Israel.

Several countries, principally in the Middle East, still restrict doing business with Israel and Israeli companies, and additional countries may impose restrictions on doing business with Israel and Israeli companies if hostilities in Israel or political instability in the region continues or increases. These restrictions may limit materially our ability to obtain raw materials from these countries or sell our products to companies or persons in these countries. Any hostilities involving Israel or the interruption or curtailment of trade between Israel and its present trading partners, or significant downturn in the economic or financial condition of Israel, could adversely affect our operations and product development, cause our sales to decrease and, if our securities become publicly traded, adversely affect the share price of our securities.

Our commercial insurance does not cover losses that may occur as a result of an event associated with the security situation in the Middle East. Although the Israeli government is currently committed to covering the reinstatement value of direct damages that are caused by terrorist attacks or acts of war, we cannot assure you that this government coverage will be maintained, or if maintained, will be sufficient to compensate us fully for damages incurred. Any losses or damages incurred by us could have a material adverse effect on our business. Any armed conflicts or political instability in the region would likely negatively affect business conditions generally and could harm our results of operations.

Our operations may be disrupted as a result of the obligation of management or key personnel to perform military service.

Although none of our management or key personnel are presently subject to the following, our male employees and consultants in Israel, including possibly, in the future, members of our senior management may be obligated to perform one month, and, in some cases, longer periods, of annual military reserve duty until they reach the age of 45 (or older, for citizens who hold certain positions in the Israeli armed forces reserves), and, in the event of a military conflict, may be called to active duty. In response to increases in terrorist activity, there have been periods of significant call-ups of military reservists (including during the recent military operation in Gaza, as described above). It is possible that there will be similar large-scale military reserve duty call-ups in the future. Our operations could be disrupted by the absence of a significant number of our officers, directors, employees and consultants. Such disruption could materially adversely affect our business and operations.

The Israeli government grants we have received for research and development expenditures restrict our ability to manufacture products and transfer technologies outside of Israel and require us to satisfy specified conditions. If we fail to satisfy these conditions, we may be required to refund grants previously received together with interest and penalties.

We have received grants from the National Technological Innovation Authority, or the "Authority" (formerly operating as Office of the Chief Scientist of the Ministry of Economy of the State of Israel, or the OCS), for research and development programs and intend to apply for further grants in the future. In order to maintain our eligibility for these grants, we must comply with the requirements of the Research Law. Under the Research Law, we are prohibited from manufacturing products developed using these grants outside of the State of Israel without special approvals. As of the date of this annual report, we have not sought to obtain such approvals, as we do not have immediate plans to manufacture outside of Israel. We may not receive the required approvals for any proposed transfer of manufacturing activities. Even if we do receive approval to manufacture products developed with government grants outside of Israel, the royalty rate may be increased and we may be required to pay up to 300% of some or all of the grant amounts requiring repayment plus interest, depending on the manufacturing volume that is performed outside of Israel. This restriction may impair our ability to outsource manufacturing or engage in our own manufacturing operations for those products or technologies.

Additionally, under the Research Law, we are prohibited from transferring, including by way of license, the Authority financed technologies and related intellectual property rights and knowhow outside of the State of Israel, except under limited circumstances and only with the approval of the Authority Research Committee. As of the date of this annual report, we have not sought to obtain such approvals, as we do not have immediate plans to transfer the Authority financed technologies and related intellectual property rights and knowhow outside of Israel. We may not receive the required approvals for any proposed transfer and, even if received, we may be required to pay the Authority a portion of the consideration that we receive upon any sale of such technology to a non-Israeli entity up to 600% of the grant amounts plus interest. The scope of the support received, the royalties that we have already paid to the Authority, the amount of time that has elapsed between the date on which the knowhow or the related intellectual property rights were transferred and the date on which the Authority grants were received and the sale price and the form of transaction will be taken into account in order to calculate the amount of the payment to the Authority. Approval of the transfer of technology to residents of the State of Israel is required, and may be granted in specific circumstances only if the recipient abides by the provisions of applicable laws, including the restrictions on the transfer of knowhow and the obligation to pay royalties. No assurance can be made that approval to any such transfer, if requested, will be granted.

These restrictions may impair our ability to sell our technology assets or to perform or outsource manufacturing outside of Israel, engage in change of control transactions or otherwise transfer our knowhow outside of Israel and may require us to obtain the approval of the Authority for certain actions and transactions and pay additional royalties and other amounts to the Authority. In addition, any change of control and any change of ownership of our Ordinary Shares that would make a non-Israeli citizen or resident an "interested party," as defined in the Research Law, requires prior written notice to the Authority, and our failure to comply with this requirement could result in criminal liability.

These restrictions will continue to apply even after we have repaid the full amount of royalties on the grants. If we fail to satisfy the conditions of the Research Law, we may be required to refund certain grants previously received together with interest and penalties, and may become subject to criminal charges.

The Government of Israel has reduced the grants available under the Authority's program in recent years, and this program may be discontinued or curtailed in the future. If we do not receive additional grants in the future, we will be required to allocate other funds to product development at the expense of other operational costs.

We have received a grant from the Office of the Authority of the Ministry of National Infrastructures, Energy and Water Resources, or the Ministry of Infrastructures, for one of our research and development programs. In order to maintain our eligibility for this grant, we must meet specified conditions, including the payment of royalties with respect to the grant received. If we fail to comply with these conditions in the future, sanctions (such as the cancellation of the grant) might be imposed on us, and we could be required to refund any payments previously received. Even following full repayment of any Ministry of Infrastructures grants, we must nevertheless continue to comply with the requirements of our agreement with the Ministry of Infrastructures. The terms of the Ministry of Infrastructures' grant require us to obtain the Ministry of Infrastructures' approval prior to any assignment of knowhow developed under the research and development program funded with its grant. The Ministry of Infrastructures also has a right to receive a nonexclusive royalty free license to the know how developed under any such program to the extent necessary for national needs (as determined by the Minister of Science and Technology, the Minister of Treasury and the Minister of Justice). Pursuant to the terms of the grant, we will be required to notify the Ministry of Infrastructures of any new investment we receive, and any new investor will be required to undertake in writing to the Ministry of Infrastructures to make reasonable efforts to ensure that the Company shall observe the terms of the research and development agreement with the Ministry of Infrastructures and the law governing the grant program of the Ministry of Infrastructures. In addition, in any case where one or more new investors makes an investment with the Company, the Ministry of Infrastructures has a right to negotiate with such investor(s) for the repayment by us of the grant provided to us by the Ministry of Infrastructures. At our request, the Ministry of Infrastructures confirmed our interpretation that the registration of the securities herein will not be deemed as a new investment.

Exchange rate fluctuations between the U.S. dollar and the New Israeli Shekel currencies may negatively affect our earnings.

We incur expenses both in U.S. dollars and New Israeli Shekels, but our financial statements are denominated in U.S. dollars. As a result, we are exposed to the risks that the New Israeli Shekel may appreciate relative to the U.S. dollar, or, if the New Israeli Shekel instead devalues relative to the U.S. dollar, that the inflation rate in Israel may exceed such rate of devaluation of the New Israeli Shekel, or that the timing of such devaluation may lag behind inflation in Israel. In any such event, the U.S. dollar cost of our operations in Israel would increase and our U.S. dollar-denominated results of operations would be adversely affected. We cannot predict any future trends in the rate of inflation in Israel or the rate of devaluation (if any) of the New Israeli Shekel against the U.S. dollar.

Provisions of Israeli law and our Fourth Amended Articles of Association, or our Articles of Association, may delay, prevent or make undesirable an acquisition of all or a significant portion of our shares or assets.

Provisions of Israeli law and our Articles of Association could have the effect of delaying or preventing a change in control of our Company; may make it more difficult for a third-party to acquire us; may make it more difficult for our shareholders to elect different individuals to our board of directors, even if doing so would be considered to be beneficial by some of our shareholders; and may limit the price that investors may be willing to pay in the future for our Ordinary Shares. Among other things:

- Israeli corporate law regulates mergers and requires that a tender offer be effected when more than a specified percentage of shares in a company are purchased;
- Israeli corporate law does not provide for shareholder action by written consent unless such consent is unanimous, thereby requiring all shareholder actions to be taken at a general meeting of shareholders in the absence of unanimity among our shareholders;
- our Articles of Association generally require a vote of the holders of a majority of our outstanding Ordinary Shares entitled to vote and present at a general meeting of shareholders; however, the amendment of a limited number of provisions related to the board of directors, proceedings of the board of directors, and business combinations require a vote of the holders of 60% of our outstanding Ordinary Shares entitled to vote and present at a general meeting (excluding abstentions);
- our Articles of Association require a vote of the holders of 60% of our outstanding Ordinary Shares entitled to vote and present at a general meeting (excluding abstentions) for the removal of directors prior to the expiration of his or her term of office;
- our Articles of Association provide that director vacancies may only be filled by our board of directors; and
- our Articles of Association prevent “business combinations” with “interested shareholders” for a period of three years after the date of the transaction in which the person became an interested shareholder, unless the business combination is approved in accordance with our Articles of Association by a general meeting of our shareholders or satisfies other requirements specified in our Articles of Association.

On September 24, 2015, we held a general meeting of shareholders at which our shareholders approved, among other things, an amendment to the provisions of our Articles of Association applicable to the election of directors to provide for a board of directors consisting of no less than three and no more than seven directors, with all directors (other than the external directors, whose appointment is required under the Companies Law, as described below) divided into three classes with staggered three-year terms with each class of directors to consist, as nearly as possible, of one-third of the total number of directors other than the external directors. This provision may make it more difficult for our shareholders to elect different individuals to our board of directors, even if doing so would be considered to be beneficial by some of our shareholders, may limit the price that investors may be willing to pay in the future for our Ordinary Shares, and may make it more difficult for a potential acquiror to effect a change of control of our Company or may deter potential acquirors from seeking to effect a change of control.

Further, Israeli tax considerations may make potential transactions undesirable to us or to some of our shareholders whose country of residence does not have a tax treaty with Israel granting tax relief to such shareholders from Israeli tax. With respect to mergers, Israeli tax law allows for tax deferral in certain circumstances but makes the deferral contingent on the fulfillment of numerous conditions, including a holding period of two years from the date of the transaction during which certain sales and dispositions of shares of the participating companies are restricted. Moreover, with respect to certain share swap transactions, the tax deferral is limited in time, and when such time expires, the tax becomes payable even if no actual disposition of the shares has occurred. See “Description of Share Capital—Mergers and Acquisitions under Israeli Law.”

The tax benefits that are available to us as a preferred enterprise require us to continue to meet various conditions and may be terminated or reduced in the future, which could increase our costs and taxes.

We have not yet elected to be treated as a preferred enterprise for Israeli tax purposes, a designation which would allow us to receive certain tax benefits, since we are still not at a stage where we have to pay tax due to carry forward losses. Once we are liable for tax payments, we may be entitled to reduced tax rates and other tax benefits. See “Taxation – Law for Encouragement of Capital Investments, 1959”. If these tax benefits were reduced or eliminated or if we no longer comply with the various pre-conditions required, the amount of taxes that we pay would consequently be subject to corporate tax at the standard rate, which could adversely affect our results of operations.

It may be difficult to enforce a judgment of a United States court against us and our officers and directors and the Israeli experts named in this annual report located in Israel or the United States, to assert United States securities laws claims in Israel or to serve process on our officers and directors and these experts.

We were incorporated in Israel. Our CEO and substantially all of our directors reside outside of the United States, and all of our assets and most of the assets of these persons are located outside of the United States. Therefore, a judgment obtained against us, or any of these persons, including a judgment based on the civil liability provisions of the U.S. federal securities laws, may not be collectible in the United States and may not necessarily be enforced by an Israeli court. It also may be difficult for you to effect service of process on these persons in the United States or to assert U.S. securities law claims in original actions instituted in Israel. Additionally, it may be difficult for an investor, or any other person or entity, to initiate an action with respect to United States securities laws in Israel. Israeli courts may refuse to hear a claim based on an alleged violation of United States securities laws, reasoning that Israel is not the most appropriate forum in which to bring such a claim. In addition, even if an Israeli court agrees to hear a claim, it may determine that Israeli law and not United States law is applicable to the claim. If United States law is found to be applicable, the content of applicable United States law must be proven as a fact by expert witnesses, which can be a time consuming and costly process. Certain matters of procedure will also be governed by Israeli law. There is little binding case law in Israel that addresses the matters described above. As a result of the difficulty associated with enforcing a judgment against us in Israel, you may not be able to collect any damages awarded by either a United States or foreign court.

Risks Related to Our Securities

Your rights and responsibilities as a shareholder will be governed by Israeli law which differs in some material respects from the rights and responsibilities of shareholders of U.S. companies.

The rights and responsibilities of our shareholders are governed by Israeli law and our Articles of Association. These rights and responsibilities differ in some material respects from the rights and responsibilities of shareholders in typical U.S.-based corporations. In particular, a shareholder of an Israeli company has a duty to act in good faith and in a customary manner in exercising its rights and performing its obligations towards the company and other shareholders and to refrain from abusing its power in the company, including, among other things, in voting at general meetings of shareholders on certain matters, such as an amendment to the company’s articles of association, an increase of the company’s authorized share capital, a merger of the company and approval of related party transactions that require shareholder approval. A shareholder also has a general duty to refrain from discriminating against other shareholders. In addition, a controlling shareholder or a shareholder who knows that it possesses the power to determine the outcome of a shareholders’ vote or to appoint or prevent the appointment of an office holder in the company has a duty to act in fairness towards the company. However, Israeli law does not define the substance of this duty of fairness. There is limited case law available to assist us in understanding the nature of this duty or the implications of these provisions. These provisions may be interpreted to impose additional obligations and liabilities on our shareholders that are not typically imposed on shareholders of U.S. corporations.

We are currently not in compliance with the requirements of the Companies Law and as a result, we may be subject to third parties' and/or shareholders' claims under the Israeli Torts Ordinance and we may not be able to approve transactions which require the approval of external directors.

Companies incorporated under the laws of the State of Israel whose shares are publicly traded are required to appoint at least two external directors who meet the qualification requirements set forth in the Companies Law. We were required to hold a shareholders meeting within three months of the date our shares became publicly traded for the purpose of election of the two external directors. As of the date of this annual report, a shareholders meeting to elect external directors has not been held, and the Company is, therefore, not currently in compliance with the requirements of the Companies Law. Due to such non-compliance with the Companies Law, the Company may be subject to third parties' and/or shareholders' claims under the Israeli Torts Ordinance. In addition, due to not yet appointing any external directors and consequently, not having an audit committee which must be comprised of a majority of unaffiliated directors, the Company cannot approve transactions which require approval of external directors, such as related party transactions. See "Item 6 Directors, Senior Management and Employees—C. Board Practices—External Directors"; "—Audit Committee"; "—Audit Committee Role"; "—Approval of Related Party Transactions under Israeli Law."

We do not plan to pay dividends to holders of Ordinary Shares.

We do not anticipate paying cash dividends to the holders of our Ordinary Shares at any time. Moreover, the Companies Law imposes certain restrictions on our ability to declare and pay dividends. See "Description of Share Capital — Dividends" for additional information. Accordingly, investors in our securities must rely upon subsequent sales after price appreciation as the sole method to realize a gain on investment. There are no assurances that the price of Ordinary Shares will ever appreciate in value.

We rely on an outsourced financial consultant to assist in the preparation of our financial statements. We believe that our financial consultant has sufficient experience with U.S. GAAP to assist in the preparation of our financial statements, which was gained, among other things, through service as the Chief Financial Officer and other senior accounting positions with several public and private companies that prepared financial statements in accordance with U.S. GAAP and by maintaining subscriptions to accounting resources made available by the "Big Four" accounting firms in Israel, which allows our outsourced financial consultant to obtain accounting and regulatory updates through their distribution lists, including updates with regard to U.S. GAAP. Our outsourced financial consultant also has access to disclosure checklists for financial statement preparation compliance purposes and related accounting materials. Our outsourced financial consultant attends training conferences on accounting and regulatory updates, including updates with regard to U.S. GAAP. Our historical financial statements for the years ended December 31, 2013 and 2014 were prepared by our former outsourced financial consultant as well as our former internal CFO, while our financial statements for the years ended December 31, 2015 and 2016 were prepared by our current outsourced financial consultant. If there are errors in our financial statements and/or we are required to restate certain of our financial statements as a result of our outsourced financial consultant's lack of specialized education and expertise with respect to financial reporting in accordance with U.S. GAAP, we could be required to implement expensive and time-consuming remedial measures.

Our directors, executive officers and controlling persons as a group have significant voting power and may take actions that may not be in the best interest of shareholders.

Our directors, executive officers and controlling persons as a group beneficially own approximately 59% of our Ordinary Shares. As a result, they will have the ability to exert substantial influence over all matters requiring approval by our shareholders, including the election and removal of directors and any proposed merger, consolidation or sale of all or substantially all of our assets. In addition, due to their share ownership, our executive officers and controlling persons could dictate the management of our business and affairs. This concentration of ownership could have the effect of delaying, deferring or preventing a change in control, or impeding a merger or consolidation, takeover or other business combination that could be favorable to you. This significant concentration of share ownership may also adversely affect the trading price for our Ordinary Shares, if a public market further develops for such securities, because investors may perceive disadvantages in owning stock in a company with controlling affiliated shareholders.

We incur significant increased costs as a result of operating as a public company, and our management is required to devote substantial time to new compliance initiatives.

We are subject to the requirements to file periodic and annual reports under the Exchange Act, and are otherwise subject to laws applicable to public reporting companies in the United States. As a public reporting company, we incur significant legal, accounting, and other expenses that we did not incur as a private company. In addition, the Sarbanes-Oxley Act, as amended, and the rules and regulations of the SEC thereunder, have imposed various requirements on public companies. Shareholder activism, the current political environment, and the current high level of government intervention and regulatory reform may lead to substantial new regulations and disclosure obligations, which may lead to additional compliance costs and impact the manner in which we operate our business in ways we cannot currently anticipate. Our management and other personnel need to devote a substantial amount of time to these compliance initiatives. Moreover, these rules and regulations increase our legal and financial compliance costs and will make some activities more time consuming and costly.

As an “emerging growth company,” as defined in the JOBS Act, we are entitled (and intend) to take advantage of certain temporary exemptions from various reporting requirements including, but not limited to, not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act. When these exemptions cease to apply, we expect to incur additional expenses and devote increased management effort toward ensuring compliance with them. We cannot predict or estimate the amount of additional costs we may incur as a result of becoming a public reporting company or the timing of such costs.

We are a “foreign private issuer” and have disclosure obligations that are different from those of U.S. domestic reporting companies.

We are a foreign private issuer and are not subject to the same requirements that are imposed upon U.S. domestic issuers by the SEC. Under the Exchange Act, we are subject to reporting obligations that, in certain respects, are less detailed and less frequent than those of U.S. domestic reporting companies. For example, we are not required to issue quarterly reports, proxy statements that comply with the requirements applicable to U.S. domestic reporting companies. Furthermore, although under a recent amendment to the regulations promulgated under the Companies Law, as an Israeli public company listed overseas we are required to disclose the compensation of our five most highly compensated officers on an individual basis (rather than on an aggregate basis, as was previously permitted for Israeli public companies listed overseas prior to such amendment), this disclosure is not as extensive as that required of U.S. domestic reporting companies. We also have four months after the end of each fiscal year to file our annual reports with the SEC and are not required to file current reports as frequently or promptly as U.S. domestic reporting companies. Furthermore, our officers, directors and principal shareholders are exempt from the requirements to report short-swing profit recovery contained in Section 16 of the Exchange Act. Also, as a “foreign private issuer,” we are also not subject to the requirements of Regulation FD (Fair Disclosure) promulgated under the Exchange Act. These exemptions and leniencies will reduce the frequency and scope of information and protections available to you in comparison to those applicable to a U.S. domestic reporting companies.

Offers or availability for sale of a substantial number of our Ordinary Shares may cause the price of our Ordinary Shares to decline.

If our shareholders sell substantial amounts of our Ordinary Shares in the public market (if one develops) or if there is a perception in the market that substantial sales may occur in the future upon the expiration of any statutory holding period, under Rule 144, or upon the exercise of outstanding options or Warrants, the market price of our Ordinary Shares could fall. The occurrence of such substantial sales or the perception that substantial sales of common stock may occur in the future could also make it more difficult for us to raise additional financing through the sale of equity or equity related securities in the future at a time and price that we deem reasonable or appropriate.

The market price of our Ordinary Shares may fluctuate significantly.

If a public trading market further develops for our Ordinary Shares, the market price of the Ordinary Shares may fluctuate significantly in response to numerous factors, some of which are beyond our control, such as:

- the announcement of new products or product enhancements by us or our competitors;
- developments concerning intellectual property rights and regulatory approvals;
- variations in our and our competitors' results of operations;
- changes in earnings estimates or recommendations by securities analysts, if the Ordinary Shares are covered by analysts;
- fluctuations in economic and market conditions that affect the price of, and demand for, conventional and non-solar renewable energy sources, such as increases or decreases in the price of natural gas, coal, oil, and other fossil fuel;
- developments in the nanotechnology and alternative energy industries;
- the results of product liability or intellectual property lawsuits;
- future issuances of Ordinary Shares or other securities;
- the addition or departure of key personnel;
- announcements by us or our competitors of acquisitions, investments or strategic alliances; and
- general market conditions and other factors, including factors unrelated to our operating performance.

Further, in recent years, the stock market has experienced extreme price and volume fluctuations. Continued or renewed market fluctuations could result in extreme volatility in the price of our Ordinary Shares, which could cause a decline in the value of the Ordinary Shares. Price volatility of our Ordinary Shares might be significant if the trading volume of the Ordinary Shares is low, which often occurs with respect to newly traded securities on the OTCQB.

Because our Ordinary Shares are traded as a "penny stock," it may be more difficult for investors to sell our Ordinary Shares, and the market price of our Ordinary Shares may be adversely affected.

Our Ordinary Shares are deemed a "penny stock" since, among other things, the stock price is currently trading below \$5.00 per share. Broker-dealers who sell penny stocks must provide purchasers of these stocks with a standardized risk-disclosure document prepared by the SEC. This document provides information about penny stocks and the nature and level of risks involved in investing in the penny-stock market. A broker must also give a purchaser, orally or in writing, bid and offer quotations and information regarding broker and salesperson compensation, make a written determination that the penny stock is a suitable investment for the purchaser and obtain the purchaser's written agreement to the purchase. Broker-dealers must also provide customers that hold penny stock in their accounts with such broker-dealer a monthly statement containing price and market information relating to the penny stock. If a penny stock is sold to an investor in violation of the penny stock rules, the investor may be able to cancel its purchase and get its money back.

The penny stock rules may make it difficult for investors to sell their Ordinary Shares. Because of the rules and restrictions applicable to a penny stock, there is less trading in penny stocks and the market price of the Ordinary Shares may be adversely affected. Also, many brokers choose not to participate in penny stock transactions. Accordingly, investors may not always be able to resell their Ordinary Shares publicly at times and prices that they feel are appropriate.

Compliance with changing regulations concerning corporate governance and public disclosure may result in additional expenses.

There have been changing laws, regulations and standards relating to corporate governance and public disclosure, including the Sarbanes-Oxley Act, new regulations promulgated by the SEC and rules promulgated by the national securities exchanges. These new or changed laws, regulations and standards are subject to varying interpretations in many cases due to their lack of specificity, and, as a result, their application in practice may evolve over time as new guidance is provided by regulatory and governing bodies, which could result in continuing uncertainty regarding compliance matters and higher costs necessitated by ongoing revisions to disclosure and governance practices. As a result, our efforts to comply with evolving laws, regulations and standards are likely to continue to result in increased general and administrative expenses and a diversion of management time and attention from revenue-generating activities to compliance activities. Our directors and Chief Executive Officer could face an increased risk of personal liability in connection with the performance of their duties. As a result, we may have difficulty attracting and retaining qualified directors and executive officers, which could harm our business. If our efforts to comply with new or changed laws, regulations and standards differ from the activities intended by regulatory or governing bodies, we could be subject to liability under applicable laws or our reputation may be harmed.

Any of the risk factors referred to above could significantly and negatively affect our business, results of operations or financial condition, which may reduce our ability to pay dividends and lower the trading price of our ordinary shares. The risks referred to above are not the only ones that may exist. Additional risks not currently known by us or that we deem immaterial may also impair our business operations.

ITEM 4. Information on the Company.

Historical Background and Corporate Structure

We were incorporated in Israel on June 24, 2009. We have one wholly owned subsidiary, Nano Size Ltd., or Nano Size, a private company organized under the laws of the state of Israel which we acquired on December 31, 2009. We also own 40% of the outstanding equity securities of Leed PV Nano Science and Technology (Suzhou) Company Ltd., a Chinese joint venture among us, Infinity IP Bank International (Suzhou) Co., Ltd. (or IPB), an investor in the Company, and Leed, which is inactive and will automatically dissolve by next year.

Our Registration Statement on Form F-1 was declared effective by the SEC on September 30, 2015, and a FINRA-registered market maker subsequently filed an application on Form 211 with FINRA to quote the Ordinary Shares on the OTCQB. On March 31, 2016, the application on Form 211 with FINRA to make a market in our Ordinary Shares was approved by FINRA, and on December 15, 2016, our Ordinary Shares began trading on the OTCQB under the ticker symbol "PVNNF".

Our principal offices are located at 8 Hamasger Street, Migdal Ha'Emek, Israel 2310102. Our telephone number is (972) 4-654-6881. Our website address is <http://www.pvnanocell.com>. This website address is included in this annual report as an inactive textual reference only. The information and other content appearing on our website are not part of this annual report. The Company does not have a registered agent in the United States.

Business Overview

We are a conductive ink manufacturing company focused on developing, manufacturing, marketing and commercializing conductive inks for digital conductive printing applications (mainly inkjet and aerosol printing technologies). We have developed the Sicrys™ family of single crystal nano-metric conductive inks, which we believe enables a significantly less costly and less wasteful alternative to current screen printing and, in some cases, photolithography processes for PV and PE applications. We began low volume sales of our Sicrys™ silver-based inks for PV applications in 2010 and are in the process of seeking to expand our sales efforts to include sales of Sicrys™ inks for a wide range of PE applications, including for the printing of circuit boards, mobile phone antennas, 3D printed electronic devices, radio-frequency identification chips, sensors and touchscreens, among other digitally printed electronics. We have also developed what we believe is the first available commercially viable copper-based nano-metric ink for mass-production of printed electronics. We believe that copper inks represent a significant improvement over silver-based inks given copper's significantly lower cost and nearly identical electrical and conductive properties. We began low volume sales of our copper-based ink for printed electronics applications in the second half of 2014.

Recent Developments

Partnership with Meyer Burger Technology Ltd.

On March 22, 2017, we announced a partnership with Meyer Burger Technology Ltd., or Meyer Burger, a leading global technology company specializing in innovative electronics systems and processes, including inkjet printing technology. Our Sicrys™ silver and copper inks will be used with Meyer Burger's Pixdro JETx printers for high volume production applications specifically in the fields of semiconductors, packaging, and the metallization of solar cells with additional plans to expand in other segments in the future. We intend to collaborate with Meyer Burger on several projects in the fields of solar cells and semiconductors in the next 12 months in order to enhance the rate of adoption of additive digital printing of conductive materials in the mass production of electronics.

Signed Letter of Intent to Acquire All Outstanding Shares of DigiFlex Ltd.

On February 13, 2017, we signed a letter of intent, or the DigiFlex LOI, to negotiate in good faith and enter into an agreement, subject to the completion of due diligence and certain other closing conditions, to acquire all of the outstanding shares of DigiFlex Ltd. or DigiFlex, an Israeli corporation which develops, manufactures and distributes the DigiFlex Flexojet inkjet-based printing system. The DigiFlex LOI contemplates an acquisition agreement that, if completed, will be an all-stock transaction valued at approximately \$10 million, pursuant to which, DigiFlex shareholders will beneficially own 33.3% of our outstanding Ordinary Shares.

DigiFlex offers a number of key printer technologies and inks that, if an agreement is reached, would allow us to implement our "Complete Solution Approach" for our customers. As a result, we would have the unique ability to support additive digital printing design, prototyping and mass production of electronic devices, such as PCBs, all in one. We believe this approach will be very attractive to customers, especially when coupling it with our cost-efficient and mass production compatible line of Sicrys™ silver and copper conductive inks.

Share Purchase Agreement

On July 7, 2016, our board approved an internal equity investment round in an aggregate amount of up to \$900,000 at a price per Ordinary Share of \$0.75, to be raised from existing shareholders. The investment round resulted in the issuance by us of 1,134,667 Ordinary Shares in consideration for an aggregate investment amount of \$851,000 including the conversion of the promissory notes described below.

The closing of the round included the conversion of an aggregate of \$206,000 of convertible promissory notes into 274,667 Ordinary Shares. See "Certain Relationships and Related Party Transactions – Series 2 Convertible Note Agreements." In connection with the investment round, we issued a warrant to purchase 333 Ordinary Shares to an Israeli finder in connection with the investment by certain Israeli investors introduced to the Company by such Israeli finder.

Private Placement

Between November 2014 and May 2017, we completed several closings of a private placement offering of an aggregate of 2,484,179 units (which includes the issuance of 100,000 units under SEDA agreement), of which 1,740,807 units were sold at a price of \$1.50 per unit and 743,372 units at a price of \$1.125 per unit. Each unit consists of (i) one Ordinary Share and (ii) a five-year Warrant to purchase one Ordinary Share at an exercise price of \$1.50 per share. To date, the Company received aggregate proceeds of \$3,447,505 from the sale of such units. The private placement offering has been extended several times and currently expires on July 30, 2017, unless extended by the Company (in its discretion) for one or more periods of 90 days each.

Loan Agreement

On March 22, 2017 we received a loan for a principal amount of \$162,000 from YA II PN, Ltd., or YA II, according to a promissory note executed between the parties. In connection with the loan, commitment fees in the total amount of \$12,000 were deducted from the consideration received. The loan bears an interest rate of 12% annually, which must be repaid in five equal monthly installments, commencing on May 31, 2017 and ending on September 30, 2017, subject to any early repayment in accordance with the terms set forth in the promissory note. In addition, pursuant to the loan agreement, YA II received a five-year Warrant to purchase up to 75,000 Ordinary Shares, at an exercise price of \$1.50 per share.

Issuance of Shares to Service Providers

In April 2017, we issued 60,000 restricted Ordinary Shares and 12,500 Ordinary Shares to service providers of the Company in accordance with Consulting and Engagement Agreements entered into between us and each of Haytarr LLC and Madison Global Partners, LLC.

Background

Photovoltaic Cell Metallization

PV cells (commonly known as solar cells) are the building blocks of solar module arrays that convert energy from sunlight into electricity. Multiple PV cells in an integrated group, all oriented in one plane, constitute a solar photovoltaic panel or module, and a group of connected modules make up an array. An array of PV cells is capable of converting solar energy into a usable amount of direct current electricity.

Most modern solar cells are made from either crystalline silicon or thin-film semiconductor material. Crystalline silicon cells (representing an estimated 85-90% of the PV cell market) are more efficient at converting sunlight to electricity, but generally have higher manufacturing costs. Thin-film materials are typically less efficient at converting sunlight into electricity, but can be cheaper to manufacture.

A key part of the PV crystalline silicon cell manufacturing process is the metallization of the cell – i.e., laying down metal electrodes to collect the electricity generated by the cell when exposed to sunlight. Typically, the metallization process is completed by the application of a silver paste to the front side and aluminum-silver pastes on the rear side of the cell using a screen printing process. This process is one of the main bottlenecks to reducing the costs of the cells and the cost of electricity produced by the cells due to: high usage of metal (expensive silver), loss of paste in the process (some paste stays in the screens), cell breakage in the printing process (contact printing), wide printed patterns (higher shading of cells, less surface exposed to the light) and limited electrical properties of the pastes. As a result, “grid parity” – a term used to refer to the ability to produce electricity through an alternative energy source (such as solar cells) at a cost that is equal to or lower than the price of purchasing power from the electricity grid – remains elusive and many solar PV systems rely on government subsidies and grants in order to lower the costs of production and approach grid parity.

The market for solar power generated by PV arrays was estimated at over \$65 billion in 2015 and is expected to exceed \$140 billion by 2023. In 2016, the solar energy industry grew significantly, showing a compound annual growth rate, or CAGR, of 58% since 2010. The price reduction trend of solar cells has continued through 2016 dropping by around 19%. Silver demand for photovoltaic applications rose 23% in 2015 to 2200 tons, marking the second consecutive year of increases in this sector. The average silver price in 2016 remained relatively low, ranging between \$11 and \$20 per ounce. We believe that industry changes since 2011, steep price reductions of cells and modules, including steep reductions in silicon pricing (driven in large part due to Chinese policies, which may be unsustainable long term), and technological improvements such as increased efficiency and reduction in silver usage have brought the PV industry closer to the goal of achieving grid parity, thereby spurring greater interests in technologies that can further lower costs. Given that metallization costs continue to be the highest cost element of PV cell production (due primarily to the high cost of silver), many have focused cost cutting efforts on improving efficiencies and reducing costs in the metallization process.

We believe that a significant market opportunity exists for a non-contact metallization solution that is significantly cheaper than the traditional screen printing process, does not break silicon cells, permits for thinner PV cell wafers (thus reducing silicon costs, which we believe to be a major obstacle to the wider proliferation of solar cell technologies), increases the active area of the cell by printing narrower conductors, and yields better electrical performance than screen-printed conductors. We believe that the market for inks to be used in inkjet printing for PV applications is a small subset of the market for silver pastes and inks in PV cell production generally, as described above, which we believe has the potential to grow over time given the benefits of inkjet printers and the benefits of our Sycris™ inks, which, among others, apply to a range of printer devices, and present a lower cost and simpler operating procedures when compared to photolithography processes. See “– Our Solutions — Printed Electronics.”

The vast majority of the present crystalline silicon solar cells are made with silver conductors and are not compatible with copper metal. There are a few companies developing copper based solutions (e.g. Sunpower, Sunpreme and others). We are planning to develop copper based inkjet solutions for these solar cells types.

Printed Electronics

Printed electronics is a set of methodologies by which electrical devices are printed onto various substrates (i.e., base material) by depositing electrically functional inks (and possibly other additional functional inks such as insulating materials) on the substrate, creating active or passive devices, such as conductors, thin film transistors or resistors. The use of printed electronics presents an opportunity to facilitate widespread, low cost production of electronics for a variety of applications, including notably for use in circuit boards, radio-frequency identification chips, sensors and touchscreens, among other digitally printed electronics.

The printed electronics market is estimated to be approximately \$8 billion (not including organic light emitting devices or OLED), and is estimated to grow to \$10 billion by 2018 (not including OLED), to \$40 billion by 2020 and to \$73 billion by 2025. The conductive ink market is expected to grow to \$3.7 billion by 2018 (3.5% CARG). Currently, printed electronics are primarily produced using screen printing and photolithography methods. Only a small fraction of the \$2.2 billion conductive inks market used in printed electronics manufacturing in 2015 was comprised of nano metal inks for digital printing. However, we believe that the current printing methods have inherent limitations when implemented in flexible electronics, 3D (three dimensional) electronics and in customized and small scale printing. Furthermore, these processes currently utilize expensive inks and produce toxic byproducts which must be disposed of, which increases overall production costs. We believe that a significant market opportunity exists for inks, such as ours, that enable digital inkjet conductive printing, enabling printing on flexible substrates, three-dimensional printing and customized and small scale printing at a lower price.

Our Solutions

Photovoltaic Cell Metallization

Our Sycris™ family of inks are low viscosity, nano-particle inks optimized for inkjet printing. We believe that PV cell metallization via inkjet printing utilizing our Sycris™ inks results in the following benefits relative to traditional screen printing processes:

- Immediate cost savings of around 15%, or \$0.09 per watt (using silver-based inks), due to substantially lower metallization costs and increased cell efficiency;

- Potential future cost savings due to the ability to utilize thinner wafers for PV cells, thus reducing silicon costs and potentially further increasing cell efficiency;
- A more efficient printing process without breakage of PV cells (estimated to occur at a rate of 0.15% to 5% in traditional screen printing processes) and without the need to regularly replace printing screens; and
- Enhanced performance due to improved conductive properties enabling printing of contact lines that are significantly thinner than the lines that can be produced with screen printing.

Printed Electronics

We currently offer silver-based Sicrys™ inks and our newly developed copper-based Sicrys™ for use in the production of PE utilizing inkjet printers. We believe that inkjet production of PE utilizing our Sicrys™ inks results in the following benefits relative to traditional screen printing and photolithography processes:

- Significant cost reductions, as we estimate that we will be able to market our copper based inks at 30% to 50% of the price of inks currently used in screen printing and photolithography processes;
- Applications for flexible and customized electronics and three-dimensional (3D) printed device manufacturing, due to digital (non-contact) printing and the lower sintering temperatures required for nano-based inks;
- Lower overall cost and simpler processes (e.g., estimated 50% reduction in costs for printing displays when compared to photolithography processes), thus potentially supporting customized and small batch printing;
- Significant reductions in the generation of hazardous waste byproducts;
- Implementation of additive production processes as opposed to the etching process commonly used today (for example for production of printed circuit boards by digital printing);
- Implementation of additive digital printing processes that will enable additional new design and production capabilities, e.g. print embedded passive components in the layers of PCB (resistors, capacitors and coils); and
- Replace wet chemistry processes to make electronic devices (for example replace the LDS production process to make 3D mobile phone antennas by a digital printing process).
- We are currently involved in projects in the fields of mobile phones (antennas and touch screens), one layer PCB and printed electronics, solar cells, semiconductor packaging and 3D printed, in which our Sicrys™ inks are been used.

Our Strategy

Our goal is to become a leading producer of conductive inks for digital electronic printing applications. Our strategy is to concentrate our efforts on mass production applications opportunities by selling inks to be used in mass production printers with high throughputs and high consumption of inks per year. We are currently developing our “Complete Solution Approach,” in which we will work with equipment producers to supply our customers with equipment, process and inks for their applications. We intend to provide service to customers by not only selling inks, but also securing equipment suitable for implementation in their production lines and by working with them to develop the production processes suitable to the relevant applications and their needs (including printing strategy, printing temperature, sintering temperatures and time).

To date, we have generated limited sales and market our products primarily via our presence on social networking websites and applications (such as LinkedIn, Twitter, Facebook and T-roo). However, we are currently undertaking efforts to take the following actions to substantially increase our commercialization efforts:

- *Develop ink suitable for digital printing of mobile phone antennas.* We are presently in an advanced stage of optimizing the ink for one end user customer (an antenna manufacturer). This customer presently has printers installed for mass production. Upon conclusion, we will have an optimized ink which may be offered and sold broadly and we will possess an in-depth process know how which will allow us to support customers to implement this technology quickly. We are expecting to finish this process by the first or second quarter of 2017.
- *Develop materials and technologies to fully print multi-layer printed circuit boards (PCBs).* We have recently demonstrated the feasibility to print one layer one side PCBs. We have also demonstrated that we can print the inner layers in multi-layer PCBs. Printing the inner layers has the potential to reduce costs and hazardous waste levels. We have recently installed the first beta printer at a customer site in Israel. The customer is developing its product on the printer while at the same time we are de-bugging the system. We have signed an MOU with an additional printer producer and hope to work with other printer producers to develop and install more printers in other customers' offices.
- *Develop a network of third party distributors and sales agents.* We are presently searching for suitable distributors and sales agents, and have commenced negotiations with potential sales agents.
- *Heighten market awareness of our products and technologies.* We are attempting to raise our profile in the relevant markets, as well as raise awareness of our product and technology offerings, by attending conferences, exhibitions and trade shows. In November 2015, we received the award for "Best Innovative Material From 3D Printing" from IDTech, and in January 2016, we were named as one of the 100 companies to follow in the cleantech field by The Global Cleantech Group.
- *Have our inks qualified and recommended for use with inkjet printers and printer heads produced by leading manufacturers in the industry.* We have been in discussions with numerous printer manufacturers to seek to have our inks recommended for use with their printers. FujiFilm Dimatix Inc. (a subsidiary of FujiFilm) has qualified our inks and has recommended our inks to certain of its customers. M-Solv (a United Kingdom company) has tested our inks for high throughput long term printing and provided a positive report. We have also signed a cooperation agreement with XaarJet Limited, which establishes procedures for the certification of our inks for use with Xaar printer heads.
- *Partner with leading digital inkjet manufacturers to supply PE and PV potential customers a "Complete Solution Approach."* We have been in discussions with numerous printer manufacturers, including DigiFlex, to seek to develop a "complete solution" marketing approach which bundles a suitable printer together with the appropriate process and inks (taking into account quality, through put, pricing and other similar considerations), thereby providing our customers a complete solution for implementing a digital conductive printing technology into their production processes.
- *Pursue alternative marketing methods, such as printer leasing, profit sharing or a modified "razor blade" model, to increase sales of our inks by distributing printers at low cost.* We have purchased an inkjet printer from a leading producer for the PCB application, and we are in advanced negotiations with an additional printer producer to develop additional inkjet printers for the PCB market in Korea.

- *Develop a localized marketing and production presence in key markets.* In the near future, we intend to develop marketing and production facilities near the large manufacturing centers for mobile phones, antennas, PCB and PV cells, including China and certain South American markets (e.g., Brazil, which we believe is poised to become a leading site for PV cell manufacturing).
- *Develop copper based digital printing inks for solar cells applications.* We are working to develop a copper ink and process (printing and sintering) which will be compatible with HJT type solar cells. This printing process would replace the wet plating chemistry used today to build the conductive patterns.

In addition, in order to promote further growth of the printed electronics market, in August 2014 we initiated and co-founded a consortium, or the Consortium, along with Orbotech Ltd., an international developer and producer of inspection and laser technologies for use in electronics manufacturing, Stratasys Ltd., a world leader in the manufacture of 3D printers, inks and processes, and certain academic groups in Israel, to develop two-and-a-half (2.5D) and three-dimensional (3D) printed electronics applications. The Consortium will terminate in June 2017, but we plan to continue our collaborations with Orbotech and Stratasys under other consortiums frameworks.

We have co-founded two additional development consortiums in the framework of the European Horizon 2020, a research and development support program in the European Community which provides grants for research and development, including to companies in Israel which are a part of the organization. The grants will be used to expand our knowhow and network through research and development that we commit to, the costs of which will be reimbursed in part by European Horizon 2020.

DIMAP was founded in October 2015 to develop novel ink materials and processes for 3D polyjet printing. Our main partners in this project are Stratasys (Israel), Profactor (Austria), Borealis (Austria) and Phillips (Netherlands). We have been granted a budget from DIMAP of €124,608 (approximately \$131,166 based on the exchange rate of \$1 / € 0.95 in effect as of December 31, 2016) to develop these ink materials and processes. This project is expected to be completed in late 2018.

Our other development consortium, HIPERLAM, which started in November 2016, is aiming to develop novel ink materials and processes for LIFT printing technology. Our main partners in this project are Orbotech (Israel), TNO (Netherlands) and Oxford Lasers Ltd. (U.K.). We have been granted a budget by HIPERLAM of €260,713 (approximately \$274,434 based on the exchange rate of \$1 / € 0.95 in effect as of December 31, 2016). This project is expected to be completed in late 2019.

Competition

The digital electronic printing and inkjet conductive ink manufacturing industries are extremely competitive. We are currently aware of various existing products in the market and in development that may compete with our products and technologies. To our knowledge, more than twenty other companies are currently developing silver-based inkjet inks for PE digital electronic inkjet printing applications. Some of these companies already sell conductive inkjet inks for PE applications. Of those, to our knowledge, no other company claims to have metallization inkjet inks for silicon nitride based PV applications. We are aware of at least four companies seeking to develop copper based inks, including NovaCentrix, Hitachi Chemical Co. Ltd., Intrinsic Materials Ltd. and Nanotec-USA. However, to our knowledge none of our competitors has copper based inks in mass production and at a commercially viable price and quantity.

We believe that our inks have the following competitive advantages, relative to those currently being sold by our competitors:

- Higher metal load, which results in a more cost efficient printing process;
- Higher stability and for a longer period of time (over one year for Sicrys™ at room temperatures as compared to less than six months for our competitors, some of which require their inks to be stored at low temperatures to remain stable for an extended period of time);

- Copper inks with a similar stability profile as our silver inks (including its chemical stability), which is difficult to achieve due to the low oxidation point for copper, which results in certain of our competitors offering copper oxide inks as opposed to pure copper inks;
- More robust printing;
- Lower cost (due to low production costs for the inks and, with respect to our copper inks, the lower cost of copper as compared to silver);
- Silver inks suitable for solar cells metallization which can show higher efficiency due to enhanced electrical properties after firing the cells (low contact resistance and resistivity);
- Customizable per wafer type; and
- Compatibility with high throughput industrial printing (high jetting frequencies for long periods of time).

Furthermore, we believe that there is a high barrier to entry for competitors to develop and successfully bring competing inks to market due to the long lead times required to develop particles of an appropriate size to formulate inks compatible with inkjet printing and the difficulty in producing nano-based inks in large-scale quantities. Moreover, in order to be suitable for use in a silicon nitride solar cell metallization process, nano-based inks require the use of additional additives. These additives are not readily commercially available, and we have an exclusive license for these additives from IKTS, which developed them especially for our inks. Pursuant to the license, IKTS has agreed to manufacture for us these ingredients in a limited quantity per year. If we require greater quantities, IKTS has agreed to transfer the production file and knowhow to our chosen manufacturer. We are required to pay royalties of €25 per kilo of these ingredients which will not be manufactured by IKTS. In addition, we are obligated to pay a minimum annual royalty amount deductible against royalties due. To date, we have acquired the needed quantities of these ingredients solely from IKTS.

Notwithstanding the foregoing, many of our competitors have substantially greater financial, technical, and other resources, such as larger research and development staff and experienced marketing and manufacturing organizations. Mergers and acquisitions in the conductive ink industry may result in even more resources being concentrated in our competitors. As a result, these companies may be more effective in selling and marketing their products. Smaller or early-stage companies may also prove to be significant competitors, particularly through collaborative arrangements with large, established companies. Competition may increase further as a result of advances in the commercial applicability of technologies and greater availability of capital for investment in this industry. Our competitors may succeed in developing, acquiring, or licensing on an exclusive basis, products that are more effective or less costly than our current or future products or technologies, or achieve earlier patent protection, product commercialization, and market penetration than we do. Additionally, technologies developed by our competitors may render our potential products and technologies uneconomical or obsolete, and we may not be successful in marketing our products and technologies against competitors.

Research and Development Agreements, License Agreements and Material Contracts

We are engaged in research and development programs with the National Technological Innovation Authority, or the "Authority" (formerly operating as Office of the Chief Scientist of the Ministry of Economy of the State of Israel, or the OCS), pursuant to the Law for the Encouragement of Industrial Research and Development, 1984, and the regulations promulgated thereunder. Under the terms of these programs, we are required to pay to a royalty of 3.5% of sales of products resulting from research and development partially financed by the Authority. However, such royalty obligations will not exceed the grant amount received, as linked to the dollar and including accrued interest at the LIBOR rate. Under such programs, the Authority provided us grants for research and development efforts of, \$16,330, \$0 and \$ 0 for the years ended December 31, 2014, 2015 and 2016, respectively. During the years ended December 31, 2014, 2015 and 2016, we paid the Authority royalties of \$1,147, \$1,621 and \$2,109, respectively, which amounts are included in cost of sales.

In 2003, Nano Size initiated and co-founded a Nano Functional Material Consortium, or the NFM Consortium, which performed general research on nanotechnology, sponsored by the Authority, as part of the MAGNET program. Between 1997 and 2003, Nano Size received from the Authority, principal funding of \$575,336 (to which interest amounting to the LIBOR rate known on the date of the first payment is added), for which royalties are due. Between 2003 and 2008, Nano Size received additional funding in an amount of NIS 2,509,154 (approximately \$652,576 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016). No royalties are payable to the Authority with respect to the additional funding; however, the technology related to nano silver developed in the NFM Consortium is subject to the Research Law.

As of December 31, 2016, our outstanding contingent obligations to the Authority with respect to such programs were \$1,354,412.

In September 2009, we entered into a Research and License Agreement with Ramot-Tel Aviv University, or Ramot, for a joint research program. The program was approved by the Magnetron committee of the Authority, a committee focused on facilitating knowledge transfer between industry and academic institutions. Under the terms of the Magnetron program, we received from the Authority an aggregate amount of NIS 1,467,683 (approximately \$381,712 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016). No royalties are payable to the Authority with respect to this funding; however, any technology developed in the Magnetron program is subject to the Research Law. Pursuant to this agreement, we were required to fund the research and development of the technology during the research period (two years starting September 2009) in a total amount of NIS 1,077,000 (approximately \$280,104 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016). In addition, we issued to Ramot Warrants to purchase 117,209 Ordinary Shares (see Note 9e to our financial statements included in this Annual report) at an exercise price equal to their par value, i.e. NIS 0.01 per Ordinary Share. We will be required to pay to Tel Aviv University royalties of between 3.4% and 3.9% on all net sales of any product, component, device or material that is used in the preparation of coated substrates meeting certain specifications, or Licensed Film, and services resulting from the license; royalties of between 2.4% and 3.0% on all net sales of Licensed Film products and services; and a sublicense fee equal to 25% of all sublicense fees that we may receive with respect to the intellectual property developed under such agreement. In addition, license fees in the amount of \$20,000 were paid in 2014 and 2015. In January 2016, the parties agreed to terminate the Magnetron program and the license agreement. Pursuant to the settlement between us and Ramot, Ramot will maintain the joint patent developed by the parties, which we will jointly own, and will pay us royalties on the joint patent, once it generates income. No amounts were paid to Ramot as part of the settlement. Ramot retained its warrants in the Company.

In November 2009, we entered into a Share Purchase Agreement with the shareholders of Nano Size pursuant to which we purchased all of the outstanding shares of Nano Size for consideration consisting of a cash purchase price of \$120,000, which was paid at closing, plus royalty payments equal to 3% of net revenues from sales of products and services by us that utilize or are based upon Nano Size's technologies and 10% of any sublicense fees received by us in respect of Nano Size's intellectual property, up to an aggregate cap for all royalty payments of \$1,400,000, of which \$60,000 was paid as an advance and will be off set against future royalty payments which will be payable by us from sales of products and services. As of the date hereof, the aggregate amount of royalties off set by us from the advance has not reached \$60,000, however we expect the full advance to be offset and additional amounts to be paid if and when we increase commercial sales of our Sicrys™ inks.

In October 2010, we entered into a Convertible Loan Agreement with Israel Electric Corporation Ltd., or IEC, which agreement was amended in April 2012. Pursuant to this agreement, IEC loaned us an aggregate amount of NIS 3,000,000 (approximately \$780,234 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016) at an interest rate of 8% per annum. In April 2013, we entered into a Share Purchase Agreement with a new investor pursuant to which the aggregate principal amount of such loan and all accrued but unpaid interest thereon were converted into 172,190 Series B-1 Preferred Shares, which were ultimately converted in the Share Split into 1,278,166 Ordinary Shares. Pursuant to the terms of the Convertible Loan Agreement, IEC is also entitled to royalty payments equal to 2% of net sales of the Company's products, up to an aggregate of NIS 8,000,000 (approximately \$2,080,624 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016). In addition, for a period of 10 years from the date of the first commercial sale of our products, IEC will be entitled to purchase our products, licenses and services, at prices which are at the lowest rate then offered or provided by the Company to any of its other customers for the same products, licenses or services (excluding demonstration units, pilot units, samples, and other customary promotional discounts which are sporadic in nature and do not represent on-going commercial basis prices with respect to the client), given similar quantities and commercial conditions.

On December 15, 2011, we signed a research and development agreement with the Ministry of Infrastructures. Under such agreement, the Ministry of Infrastructures was to pay us up to 62.5% of our expenses related to the project up to a maximum of NIS 625,000 (approximately \$162,549 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016) in exchange for our agreement to pay royalties of 5% of any revenues generated from the intellectual property generated under the program. The term of the program was 18 months starting January 1, 2012. During the years ended December 31, 2014, 2015 and 2016, we received \$13,483, \$0 and \$0, respectively. During the years ended December 31, 2015 and 2016, we recorded liabilities in respect of royalties payable under this agreement in the amount of \$116 and \$281, respectively. As of December 31, 2016, our aggregate contingent liability to the Ministry of Infrastructures was \$178,559.

In September 2012, we entered into a Know-How License Agreement with IKTS pursuant to which IKTS agreed to manufacture for us a limited quantity of certain additives required to be included in our inks to make them suitable for use in solar cell metallization processes. If we require greater quantities, IKTS has agreed to transfer the production file and knowhow to our chosen manufacturer. We will be required to pay royalties of €25 per kilo of the ingredients not manufactured by IKTS. As of December 31, 2015 and 2016, we have acquired the needed quantities of these ingredients from IKTS and paid IKTS the minimum royalty fees of €2,000 per year (approximately \$2,105 based on the exchange rate of \$1 / € 0.95 in effect as of December 31, 2016).

In March 2013, we entered into a Joint Venture Agreement with IPB and Leed, pursuant to which we agreed to establish a joint venture to develop, manufacture, market, distribute and commercialize inkjet solar metallization silver and copper inks in China, Hong Kong, Macau and Taiwan. Our obligation to fund the joint venture was conditioned upon, among other things, receipt of all applicable approvals required by relevant authorities in China, Hong Kong, Macau and Taiwan within 180 days of the effective date of the joint venture agreement. The conditions in the agreement were not satisfied prior to the deadline set forth in the Joint Venture Agreement and, as a result, the parties have agreed to dissolve the joint venture. Thereafter, in January 2014, we received a letter from Leed demanding that we reimburse Leed for its expenses associated with the joint venture, in an aggregate amount of \$68,426. In March 2014, we received a subsequent letter from Leed in which Leed offered to settle its \$68,426 claim for an aggregate of \$50,905 if we paid such amount prior to March 30, 2014. We dispute Leed's claim that they are entitled to be reimbursed by us for their expenses incurred in connection with the joint venture, but have included a reserve of \$40,000 for this potential liability in our financial statements for the year ended December 31, 2016.

In May 2014, we entered into a collaboration agreement with XaarJet Limited, or Xaar, which establishes procedures for the certification of our inks for use with Xaar printer heads. Once the first ink (Silver Nano-Particle Ink) is certified by Xaar, both we and Xaar will refer to the ink as certified to be used with Xaar Printheads. Following such certification, we will be required to pay Xaar a fee for all certified inks sold for use with Xaar print heads as follows: 2% of the certified ink price until the cumulative value of the fees received by Xaar exceeds £50,000 (approximately \$61,728 based on the exchange rate of \$1 / £ 0.81 in effect as of December 31, 2016), and thereafter, 1% of the certified ink price. Once the cumulative value of the fees received by Xaar with respect to all products exceeds £1,000,000 (approximately \$1,234,567 based on the exchange rate of \$1 / £ 0.81 in effect as of December 31, 2016), we and Xaar have agreed to review the percentage payable in the light of the prevailing business conditions.

On July 9, 2015, we entered into a Standby Equity Distribution Agreement, or the SEDA, with YA Global, pursuant to which we may, at our election and in our sole discretion, issue and sell to YA Global, from time to time after the Effective Date, and YA Global has agreed to purchase (subject to the limitations and contained therein), up to \$3,000,000 of Ordinary Shares at a price per share equal to 95% of the lowest daily volume weighted average price of the Ordinary Shares for the five consecutive trading days following our election to issue and sell shares to YA Global thereunder. Pursuant to the terms of the SEDA, the Company paid a structuring and due diligence fee in an amount equal to \$15,000 and a commitment fee in an aggregate amount of \$150,000, which was paid by the issuance of 100,000 ordinary shares on March 15, 2017. In addition, pursuant to the SEDA, YA Global purchased in October 2015, 100,000 units, at a purchase price of \$1.50 per unit. Each unit consists of (i) one Ordinary Share and (ii) a five-year warrant to purchase one ordinary share at an exercise price of \$1.50 per share.

Intellectual Property

An important part of our business and product development strategy is to seek, when appropriate, protection for our products and proprietary technology through the use of various United States and foreign patents. Our patent application covering silver single crystal particles has been granted in China, Russia and the USA. We currently have patent applications pending in the European Union, India, Israel, Brazil, Japan, and South Korea supporting our silver-based inks. We have patent applications based on PCT/IB2015/051536, relating to copper-based ink, filed on March 3, 2015, which have been submitted to national phase. We have an approved joint patent with Ramot for “Conductive Nanowire Films” which Ramot maintains pursuant to the termination settlement of the Magnetron Program. Our silver patent application is in the national phase in many countries and has recently been allowed in China and Russia.

Our wholly-owned subsidiary, Nano Size, has been granted several patents in the field of ultrasonic manufacturing of nano materials (7,157,058 (US); 7,504,075 (US); 144638 (IL); 149932 (IL)). We do not believe that these patents are material to our business. We intend to continue to seek patent protection for our products that we may develop in the future.

The patenting of technology-related products and processes involves uncertain and complex legal and factual questions. To date, no consistent policy has emerged regarding the breadth of claims of such technology patents. Therefore, there is no assurance that our pending applications will issue, or what scope of protection any issued patents will provide, or whether any such patents ultimately will be upheld as valid by a court of competent jurisdiction in the event of a legal challenge. The costs of such proceedings would be significant and an unfavorable outcome could result in the loss of rights to the invention at issue in the proceedings. If we fail to obtain patents for our technology and are required to rely on unpatented proprietary technology, there is no assurance that we can protect our rights in such unpatented proprietary technology, or that others will not independently develop substantially equivalent proprietary products and techniques, or otherwise gain access to our proprietary technology.

Competitors have filed applications for, or have been issued patents, and may obtain additional patents and proprietary rights relating to products or processes used in, necessary to, competitive with, or otherwise related to, our patents. The scope and validity of these patents, and the extent to which we may be required to obtain licenses under these patents or under other proprietary rights and the cost and availability of licenses is unknown. This may limit our ability to license our technology. Litigation concerning these or other patents could be protracted and expensive. If suit were brought against us for patent infringement, a challenge in the suit by us as to the validity of the other patent would have to overcome a legal presumption of validity. There can be no assurance that the validity of the patent would not be upheld by the court or that, in such event, a license of the patent to us would be available. Moreover, even if a license were available, the payments that would be required are unknown and could materially reduce the value of our interest in the affected products.

We also rely upon unpatented trade secrets. No assurances can be given that others will not independently develop substantially equivalent proprietary information and techniques or otherwise gain access to our trade secrets or disclose such technology or that we can meaningfully protect our rights to our unpatented trade secrets. We require our employees, consultants, advisors, and any third parties who have access to our proprietary know-how, information, or technology to enter into confidentiality agreements with us, which provide that all confidential information developed or made known to the individual during the course of the relationship is to be kept confidential and not disclosed to third parties except in specific circumstances. In the case of employees and consultants, the agreements provide that all inventions conceived by the individual shall be our exclusive property or shall be assigned to us. There is no assurance, however, that these agreements will provide meaningful protection for our trade secrets and other confidential proprietary information in the event of unauthorized use or disclosure of such information.

Marketing and Sales

We currently have a small marketing and sales operation consisting of one full-time marketing employee and one sales representative in Korea who has a representative in Japan. In addition, our Chief Executive Officer generally devotes a portion of his efforts to increasing awareness of, and marketing, our products. We intend to collaborate with additional third party distributors and sales agents with established sales and marketing operations and industry experience to market our inks. However, there can be no assurance that we will be able to enter into distribution and/or sales agency agreements on terms acceptable to us or at all, or that such distributors or sales agents will be successful in marketing our inks.

Seasonality

Our business and operations are generally not affected by seasonal fluctuations or factors.

Raw Materials and Suppliers

We believe that the raw materials that we require to manufacture our inks are readily available in adequate quantities from multiple sources, except that certain additives required to make our inks suitable for use in solar cell metallization processes are not readily commercially available, and we have an exclusive license for these additives from IKTS as described above under “—Research and Development Agreements, License Agreements and Material Contracts.” In addition, the manufacturing process for our silver-based inks utilizes a silver salt the price of which is linked to the price of silver. The price of silver is affected by numerous factors beyond our control, including inflation, fluctuation of the United States dollar and foreign currencies, global and regional demand, speculative activities by commodities traders and others and the political and economic conditions of major silver producing countries throughout the world. See “Risk Factors—We are subject to risks resulting from fluctuations in the price of silver.”

Manufacturing

We manufacture our inks at our Migdal Ha’Emek facilities. We currently have capacity to produce an estimated two tons of ink per year, and intend to upgrade our facilities (at an estimated cost of \$500,000) to increase production capacity to 19 tons per year, if and when demand for our inks is projected to surpass our production capabilities and we have sufficient financing to do so. In the event that demand for our inks outgrows our internal manufacturing capacity, we intend to engage third-party manufacturers to produce additional inks. There can be no assurance that we will be able to enter into agreements with qualified manufacturers on terms acceptable to us, or at all, or that, once contracted, such manufacturers will perform as expected.

Government Regulation

We are subject to various environmental, health and safety laws, regulations and permitting requirements, including those governing the emission and discharge of hazardous materials into ground, air or water; noise emissions, the generation, storage, use, management and disposal of hazardous waste; the registration of chemicals and in the future also import and export; the cleanup of contaminated sites; and the health and safety of our employees. Under such laws and regulations, we are required to obtain environmental permits from governmental authorities for certain operations. The manufacture of our products requires storing or using certain hazardous materials. Pursuant to the Israeli Dangerous Substances Law - 1993, we are required to (and did) obtain a toxin permit from the Ministry of Environmental Protection. Our permit is valid until October 2018.

Other than applicable local laws in Israel relating to the handling and disposal of hazardous materials and waste, there are no government regulations that are material to the conduct of our business. If we establish manufacturing operations in other jurisdictions, we expect to become subject to environmental, health and safety laws, regulations and permitting requirements in those jurisdictions, which may be similar to or more onerous than those described above.

Property

We currently lease, through our subsidiary Nano Size, approximately 5,300 square feet of space in Migdal Ha’Emek, Israel for our principal offices and manufacturing facilities at a monthly cost of approximately NIS 10,041 (approximately \$2,611 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016). The lease term expired on June 30, 2016, although we are continuing to lease the space on the same terms and we expect to formally renew the lease in the near future.

We currently own equipment, housed in our Migdal Ha'Emek facilities, capable of producing up to two tons of ink per year. We intend to upgrade our facilities (at an estimated cost of \$500,000) to increase production capacity to 19 tons per year, if and when demand for our inks is projected to surpass our production capabilities.

Legal Proceedings

We are neither party to any legal or arbitration proceedings, including those relating to bankruptcy, receivership or similar proceedings and those involving any third-party, nor any governmental proceedings pending or known to be contemplated, which may have, or have had in the recent past, significant effects on our financial position or profitability.

ITEM 4A. Unresolved Staff Comments.

Not applicable.

ITEM 5. Operating and Financial Review and Prospects.

The following discussion and analysis of our financial condition and results of operations should be read in conjunction with “Item 3. Key Information—Selected Financial Data” above and our financial statements and related notes that appear elsewhere in this annual report. In addition to historical financial information, the following discussion contains forward-looking statements that reflect our plans, estimates and beliefs. Our actual results could differ materially from those discussed in the forward-looking statements. Factors that could cause or contribute to these differences include those discussed below and elsewhere in this annual report, particularly in the sections titled “Risk Factors” and “Cautionary Note Regarding Forward-Looking Statements.”

Overview

We are a conductive ink manufacturing company focused on developing, manufacturing, marketing and commercializing conductive inks for digital inkjet conductive printing applications. We have developed the Sicrys™ family of single crystal nano-metric conductive inks, which we believe enables a significantly less costly and less wasteful alternative to current screen printing and, in some cases, photolithography processes for PV and PE applications. We began low volume sales of our Sicrys™ silver-based inks for PV applications in 2010 and are in the process of seeking to expand our sales efforts to include sales of Sicrys™ inks for a wide range of PE applications, including for the printing of circuit boards, radio-frequency identification chips, sensors and touchscreens, among other digitally printed electronics. We have also developed what we believe is the first available commercially viable copper-based nano-metric ink for mass-production of printed electronics. We believe that copper inks represent a significant improvement over silver-based inks given copper's significantly lower cost and nearly identical electrical and conductive properties. We began low volume sales of our copper-based ink for printed electronics applications in the second half of 2014.

Financial Overview

We have incurred net losses since our inception in 2009, including a net loss of approximately \$1.6 million for the year ended December 31, 2016. As of December 31, 2016, we had an accumulated deficit of approximately \$12.2 million. We have devoted substantially all of our financial resources to identifying, acquiring, licensing, and developing our products and technologies and providing general and administrative support for these operations. To date, we have financed our operations primarily through the sale of equity and convertible securities and government grants. The amount of our future net losses will depend, in part, on the rate of our future expenditures, our ability to obtain funding through equity or debt financings, strategic collaborations, or grants and our ability to commercialize our products or technologies. We are dependent upon external sources to finance our operations and there can be no assurance that we will succeed in obtaining the necessary financing to continue our operations. As a result, our independent registered public accounting firm has expressed substantial doubt about our ability to continue as a going concern.

Critical Accounting Policies

Our consolidated financial statements are prepared in accordance with generally accepted accounting principles in the United States (U.S. GAAP). These accounting principles are more fully described in note 2 to our consolidated financial statements included elsewhere in this annual report and require us to make certain estimates, judgments and assumptions. We believe that the estimates, judgments and assumptions upon which we rely are reasonable based upon information available to us at the time that these estimates, judgments and assumptions are made. These estimates, judgments and assumptions can affect the reported amounts of assets and liabilities as of the date of the financial statements, as well as the reported amounts of revenues and expenses during the periods presented. To the extent there are material differences between these estimates, judgments or assumptions and actual results, our financial statements will be affected. We believe that the accounting policies discussed below are critical to our financial results and to the understanding of our past and future performance, as these policies relate to the more significant areas involving management's estimates and assumptions. We consider an accounting estimate to be critical if: (1) it requires us to make assumptions because information was not available at the time or it included matters that were highly uncertain at the time we were making our estimate; and (2) changes in the estimate could have a material impact on our financial condition or results of operations.

Section 107 of the JOBS Act provides that an "emerging growth company" can take advantage of the extended transition period provided in Section 7(a)(2)(B) of the Securities Act for complying with new or revised accounting standards. This means that an "emerging growth company" can delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We are electing to delay such adoption of new or revised accounting standards. As a result, our financial statements may not be comparable to companies that comply with the public company effective date.

Revenue Recognition

Our total revenues consist of revenues received from limited commercial sales of our Sicrys™ inks and other income from sales of raw materials used in and waste byproducts resulting from our manufacturing and research and development efforts.

We recognize revenue when (1) persuasive evidence of a final agreement exists, (2) delivery has occurred, (3) the selling price is fixed or determinable, and (4) collectability is reasonably assured.

We assess collectability as part of the revenue recognition process. This assessment includes a number of factors such as an evaluation of the creditworthiness of the customer, past due amounts, past payment history, and current economic conditions. If it is determined that collectability cannot be reasonably assured, we defer recognition of revenue until collectability is assured.

Inventories

Inventories are measured at the lower of cost or market value. Cost is computed on a first-in, first-out basis. Inventory costs consist primarily of material. We periodically assess inventory for obsolescence and excess and reduce the carrying value by an amount equal to the difference between its cost and the estimated market value based on assumptions about future demand and historical sales patterns. No write off was recorded during 2014, 2015 or 2016.

As of December 31, 2016, we had \$57,072 of inventory, of which \$42,561 consisted of raw materials and \$14,511 consisted of finished goods. As of December 31, 2015, we had \$62,685 of inventory, of which \$29,699 consisted of raw materials and \$32,986 consisted of finished goods.

Taxes

We are subject to income taxes in Israel. Significant judgment is required in evaluating our uncertain tax positions and determining our provision for income taxes. We recognize income taxes under the liability method. Tax benefits are recognized from uncertain tax positions only if we believe that it is more likely than not that the tax position will be sustained on examination by the taxing authorities based on the technical merits of the position. Although we believe we have adequately reserved for our uncertain tax positions, no assurance can be given that the final tax outcome of these matters will not be different. We adjust these reserves when facts and circumstances change, such as the closing of a tax audit, the refinement of an estimate or changes in tax laws. To the extent that the final tax outcome of these matters is different than the amounts recorded, such differences will impact the provision for income taxes in the period in which such determination is made. The provision for income taxes includes the effects of any reserves that are considered appropriate, as well as the related net interest and penalties.

We recognize deferred tax assets and liabilities for future tax consequences arising from differences between the carrying amounts of existing assets and liabilities under U.S. GAAP and their respective tax bases, and for net operating loss carryforwards and tax credit carryforwards. We regularly review our deferred tax assets for recoverability and establish a valuation allowance if it is more likely than not that some portion or all of the deferred tax assets will not be realized. To make this judgment, we must make predictions of the amount and category of taxable income from various sources and weigh all available positive and negative evidence about these possible sources of taxable income.

While we believe the resulting tax balances as of December 31, 2014, 2015, and 2016 are appropriately accounted for, the ultimate outcome of such matters could result in favorable or unfavorable adjustments to our consolidated financial statements and such adjustments could be material. We have filed or are in the process of filing the tax returns that may be audited by the respective tax authorities. We believe that we adequately provided for any reasonably foreseeable outcomes related to tax audits and settlement; however, our future results may include favorable or unfavorable adjustments to our estimated tax liabilities in the period the assessments are made or resolved, audits are closed or when statute of limitations on potential assessments expire.

Share-Based Compensation and Liabilities presented at fair value

Ordinary Share Valuations

Based on the fair value of our Ordinary Shares as of December 31, 2016, the intrinsic value of the awards outstanding as of December 31, 2016 was \$318,326, of which \$309,867 related to exercisable options.

In addition, the fair value of the Ordinary Shares was used to determine the value of the warrants presented as a liability, the value of the deemed dividend, and stock based compensation in respect of equity restructuring. The following table sets forth the fair value of our Ordinary Shares used for each significant transaction:

	<u>Date</u>	<u>Ordinary Share Fair Value</u>
590,440 employees options grant	May 23, 2013	\$ 0.14
190,178 employees options grant	August 22, 2013	0.14
Deemed dividend and stock based compensation in respect of equity restructuring	November 26, 2014 ⁽¹⁾	0.51
Deemed dividend and stock based compensation in respect of equity restructuring	November 26, 2014 ⁽²⁾⁽³⁾	1.05
Warrants presented as a liability	December 31, 2014	1.05
240,095 employees options grant	July 15, 2015	1.02
241,768 employees options grant	October 6, 2015	1.02
Warrants presented as a liability	December 31, 2015	1.02
75,000 employees options grant	July 7, 2016	1.02
Warrants presented as a liability	December 31, 2016	\$ 1.01

(1) Prior to the equity restructuring.

(2) Subsequent to the equity restructuring, the increase in ordinary share fair value derives from the termination of the preferred shares rights.

(3) The equity restructuring that occurred on November 26, 2014 resulted in a modification in accordance with ASC 718-20-35. The Company used the fair value of its Ordinary Shares prior and subsequent to the equity restructuring to determine the modification effect, which amounted to the recognition of \$376,643 in stock based compensation from employees' options and warrants and a deemed dividend in the amount of \$1,842,061.

The fair value of our Ordinary Shares was determined by our management with the assistance of appraiser. The valuations of our Ordinary Shares were determined in accordance with the guidelines outlined in the American Institute of Certified Public Accountants Practice Aid, Valuation of Privately-Held-Company Equity Securities Issued as Compensation, or the AICPA Practice Aid. The assumptions used in the valuation model are based on future expectations combined with management's judgment. Our management exercised significant judgment and considered numerous objective and subjective factors to determine the fair value of our Ordinary Shares as of the date of each option grant, including the following factors:

- Independent valuations performed at periodic intervals by an independent third-party valuation specialist;
- The prices, rights, preferences and privileges of our convertible preferred shares;
- Current business conditions and projections;
- Our stage of development;
- The likelihood of a liquidity event for the ordinary shares underlying these options, such as an initial public offering or sale of our Company, given prevailing market conditions;
- Any adjustments necessary due to the lack of marketability of our Ordinary Shares;
- General and industry specific economic outlook; and
- The market performance of comparable publicly traded companies.

We determined our Company's value using a market approach. We allocated the estimated enterprise value among different classes of the Company's shares by applying an option pricing method. Under the option pricing method, ordinary and preferred shares are treated as call options, with the preferred shares having an exercise price based on the liquidation preference of the preferred shares. Ordinary Shares will only have value if funds available for distribution to the stockholders exceed the value of the liquidation preference at the time of a liquidity event such as a merger, sale or initial public offering. The Ordinary Shares are modeled as call options with an exercise price equal to the liquidation preference of the preferred shares. The value of the call options is determined using the Black-Scholes-Mertons option-pricing model. The option pricing method requires significant assumptions; in particular, the time until investors in our company would experience an exit event and the volatility of our shares (which we determined based on public companies with business and financial risks comparable to our own).

We applied a discount to the resulting valuation due to the lack of marketability of our ordinary shares. We calculated this using an Asian put option model. The significant assumptions involved were the same as described above.

The dates of our valuations did not always coincide with the dates of our share-based compensation grants. In such instances, management's estimates were based on the most recent valuation of our Ordinary Shares. For grants occurring between valuation dates, for financial reporting purposes, we used the closest valuation date before the grant, as we believe that the Ordinary Share valuation represents the valuation at the date of grant.

Options grants in May 23, 2013 and August 22, 2013

In order to estimate the value of our equity, including both ordinary and preferred shares, we relied upon our Series B-2 preferred share price determined in the April 9, 2013 financing rounds of our Series B-2 preferred shares, which we believed to be most indicative of our value. Our management determined the fair value of our ordinary shares as of May 23, 2013 and August 22, 2013 to be \$0.14 per share. As part of this determination, our management considered an independent third party valuation. We based this price using the option pricing method according to the value derived from a third-party sale of shares in an arm's length transaction.

Ordinary share price as of November 26, 2014

In order to estimate the value of our Ordinary Shares subsequent to the equity restructuring, our management used the market approach. We relied upon the Ordinary Share valuation established in our November 26, 2014 financing round. In the November 26, 2014 financing round, we issued units that consist of one Ordinary Share and one warrant to purchase an Ordinary Share at an exercise price of \$1.50 per Ordinary Share. The unit price was \$1.50. The Ordinary Shares were valued by performing iterations in the Black & Scholes option pricing model. Our management considered an independent third party valuation conducted for this date and determined the fair value of our Ordinary Shares as of November 26, 2014 subsequent to the equity restructuring to be \$1.05. In order to estimate our equity value, including both Ordinary and Preferred Shares prior to the equity restructuring, management subtracted the November 26, 2014, financing from the valuation and applied the option pricing method as discussed above. Our management determined the fair value of our Ordinary Shares as of November 26, 2014 prior to the restructuring to be \$0.51. Our Ordinary Share fair value increased from \$0.51 prior to the restructuring to \$1.05 subsequent to the restructuring due to the termination of the Preferred Shares rights.

Option Grants in July 15, 2015, October 6, 2015 and July 7, 2016

Our management determined the fair value of our ordinary shares as of July 15, 2015, October 6, 2015 and July 7, 2016 to be \$1.02 per share. As part of this determination, our management considered an independent third party valuation. We based this price using the option pricing method according to the value derived from a third-party sale of shares in an arm's length transaction.

Option Valuations

Under U.S. GAAP, we account for share-based compensation for employees in accordance with the provisions of the FASB's ASC Topic 718 "Compensation—Stock Based Compensation," or ASC 718, which requires us to measure the cost of options based on the fair value of the award on the grant date.

We selected the Black-Scholes-Mertons option pricing model as the most appropriate method for determining the estimated fair value of options. The resulting cost of an equity incentive award is recognized as an expense over the requisite service period of the award, which is usually the vesting period. We recognize compensation expense over the vesting period using the straight-line method and classify these amounts in the consolidated financial statements based on the department to which the related employee reports.

The determination of the grant date fair value of options using the Black and Scholes option pricing model is affected by estimates and assumptions regarding a number of complex and subjective variables. These variables are estimated as follows:

- *Fair Value of our Ordinary Shares.* Because our shares are not publicly traded, we must estimate the fair value of ordinary shares as of the date of the grants, as discussed in the above "Ordinary Share Valuations".
- *Risk-free Interest Rate.* The risk-free interest rate is based on the yield from U.S. Treasury zero-coupon bonds with a term equivalent to the contractual life of the options.
- *Volatility.* The expected share price volatility was based on the historical equity volatility of the ordinary shares of comparable companies that are publicly traded with adjustments to reflect our capital structure.
- *Dividend Yield.* We have never declared or paid any cash dividends and do not presently plan to pay cash dividends in the foreseeable future. Consequently, we used an expected dividend yield of zero.
- *Expected Life.* We used the "simplified" method, meaning the expected life is set as the average of the vesting period for each vested tranche of options and the contractual term for those options.

If any of the assumptions used in the Black and Scholes option pricing model change significantly, share-based compensation for future awards may differ materially compared with the awards previously granted.

The following table presents the weighted-average assumptions used to estimate the fair value of options granted to employees, officers and consultants during the periods presented.

	Year Ended December 31,		
	2014	2015	2016
Dividend yield	*)	0%	0%
Expected volatility	*)	64%-69%	68%-71%
Risk-free interest	*)	1.12%-1.63%	0.83%-0.97%
Expected life (in years)	*)	4.375	2.98

*) No grants were made in 2014.

Liabilities Presented at Fair Value

Some of our warrants are classified as liabilities in accordance with ASC No. 815-40, "Distinguishing Liabilities From Equity". Accordingly, these warrants were required to be marked to market at each reporting date.

We estimated the fair value of these warrants and such conversion feature using a Black-Scholes-Merton option pricing model, which is affected by estimates and assumptions regarding a number of complex and subjective variables. These variables are estimated as follows:

- *Fair Value of our Ordinary Shares.* Because our shares are not publicly traded, we must estimate the fair value of ordinary shares, as discussed in the above "Ordinary Share Valuations".
- *Risk-free Interest Rate.* The risk-free interest rate is based on the yield from U.S. Treasury zero-coupon bonds with a term equivalent to the contractual life of the warrants. Currently, we estimate the risk free rate at between 1.34% and 1.87% for contracts with an expected life of 2.5 years to 4.76 years.
- *Volatility.* The expected share price volatility was based on the historical equity volatility of the ordinary shares of comparable companies that are publicly traded with adjustments to reflect our capital structure. Currently, we estimate our expected volatility between 68.9% and 79.3%.
- *Dividend Yield.* We have never declared or paid any cash dividends and do not presently plan to pay cash dividends in the foreseeable future. Consequently, we used an expected dividend yield of zero.

In addition, the conversion feature of the Capital Note issued to a shareholder, is required to be marked to market at each reporting date. We estimated the fair value of the Capital Note by taking into account the expected occurrence of certain trigger events (such as IPO or M&A), multiplied by the value in a probability that the event will occur (based on our subjective assumptions) and discounting the value in an appropriate discount factor (based on the weighted average cost of capital of the Company) for a period of 2.5 years.

Recently Issued and Adopted Accounting Pronouncements

In May 2014, the Financial Accounting Standards Board ("FASB") issued guidance related to "Revenue from contracts with customers". Under this guidance, revenue is recognized when promised goods or services are transferred to customers in an amount that reflects the consideration that is expected to be received for those goods or services. The updated standard will replace most existing revenue recognition guidance under GAAP when it becomes effective and permits the use of either the retrospective or cumulative effect transition method. As currently issued and amended, the standard will become effective for the Company in 2019. The Company is currently evaluating the effect that the updated standard will have on its consolidated financial statements and related disclosures.

In August 2014, the FASB issued ASU 2014-15, “Presentation of Financial Statements - Going Concern (Subtopic 205-40): Disclosure of Uncertainties about an Entity’s Ability to Continue as a Going Concern.” ASU 2014-15 is intended to define management’s responsibility to evaluate whether there is substantial doubt about an organization’s ability to continue as a going concern and to provide related footnote disclosures. The amendments in this ASU are effective for reporting periods ending after December 15, 2016, with early adoption permitted. The Company adopted ASU 2014-15 for the year ended December 31, 2016 and updated the going concern disclosure accordingly.

In March 2016, the FASB issued ASU No. 2016-09, “Compensation — Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting” (“ASU 2016-09”). ASU 2016-09 simplifies several aspects of the accounting for share-based payment transactions, including the income tax consequences, classification of awards as either equity or liabilities, and classification on the statement of cash flows. As currently issued and amended, the ASU will become effective for the Company in 2018. Early adoption is permitted. We early adopted ASU 2016-09 in 2016 using a modified retrospective transition method.

Under the new guidance, we have elected to change its policy and started to recognize forfeitures of awards as they occur. The change in forfeiture policy was adopted using a modified retrospective transition method. We recorded a total cumulative-effect adjustment in accumulated deficit as of January 1, 2016 for the revision of the forfeiture fair value that have not previously been recognized in an amount of \$4,379 upon transition.

For further significant accounting policies please see Note 2 to our audited consolidated financial statements, beginning on page of this annual report.

Reporting Currency

Our functional currency is the U.S. Dollar, although substantial portion of the Company’s costs are incurred in New Israeli Shekels, the Company finances its operations mainly in U.S. dollars and a substantial portion of its costs and revenues from its primary markets are anticipated to be incurred and generated in U.S. dollars. As such, we believe that the U.S. dollar is the currency of the primary economic environment in which the Company operates.

Transactions and balances that are denominated in dollars are presented at their original amounts. Non-dollar transactions and balances have been re-measured to dollars in accordance with Accounting Standards Codification (“ASC”) No. 830, “Foreign Currency Matters”. All foreign currency transaction gains and losses are reflected in the statements of operations as financial income or expenses, as appropriate.

Results of Operations

The following discussion of our operating results explains material changes in our results of operations for the years ended December 31, 2016, 2015 and 2014. The discussion should be read in conjunction with our audited financial statements for the years ended December 31, 2016, 2015 and 2014 and related notes and the information contained in Item 18.

Total Revenues

With respect to the years ending December 31, 2015 and December 31, 2014 - Total Revenues amounted to \$68,332 and \$57,851, respectively, an increase of \$10,481 or 18%. The slight increase in sales is due to the fact some customers which are developing their applications are purchasing additional ink quantities. Our total revenues consist of revenues received from limited commercial sales of our Sicrys™ inks and other income from sales of raw materials used in and waste byproducts resulting from our manufacturing and research and development efforts.

With respect to the years ending December 31, 2016 and December 31, 2015 - Total Revenues amounted to \$78,081 and \$68,332, respectively, an increase of \$9,749 or 14%. The slight increase in sales is due to the fact some customers which are developing their applications are purchasing additional ink quantities. Our total revenues consist of revenues received from limited commercial sales of our Sicrys™ inks and other income from sales of raw materials used in and waste byproducts resulting from our manufacturing and research and development efforts.

Operating Expenses

With respect to the years ending December 31, 2015 and December 31, 2014 - Operating expenses amounted to \$1,774,030 and \$1,906,443, respectively, a decrease of \$132,413 or 7%. Operating expenses consist of Research and Development Expenses, Sales and Marketing Expenses and General and Administrative Expenses. Our decrease in operating expenses is mainly due to the decreases in research and development expenses, net as described below.

With respect to the years ending December 31, 2016 and December 31, 2015 - Operating expenses amounted to \$1,540,223 and \$1,774,030 respectively, a decrease of \$233,807 or 13%. Operating expenses consist of Research and Development Expenses, Sales and Marketing Expenses and General and Administrative Expenses. Our decrease in operating expenses is mainly due to the decreases in research and development expenses, net and due to decrease in general and administrative expenses as described below .

Research and Development Expenses, Net

With respect to the years ending December 31, 2015 and December 31, 2014 - net research and development expenses, were \$720,997 and \$959,746, respectively, a decrease of \$238,749 or 25%, net of approximately \$180,033 and \$129,220 of grants received in 2015 and 2014, respectively. The decrease in the net research and development costs is a result of higher grants received which offset out of pocket costs, as well as a shift in the focus to increase sales.

With respect to the years ending December 31, 2016 and December 31, 2015 - net research and development expenses, were \$632,826 and \$720,997, respectively, a decrease of \$88,171 or 12%, net of approximately \$344,056 and \$180,033 of grants received in 2016 and 2015, respectively. The decrease in the net research and development costs is a result of higher grants received, as well as a shift in the focus to increase sales.

Sales and Marketing Expenses

With respect to the years ending December 31, 2015 and December 31, 2014 - sales and marketing expenses amounted to \$245,756 and \$136,770, respectively, an increase of \$108,986 or 80%. The increase in sales and marketing expenses in 2015 relative to 2014 is primarily attributable to an increase in costs associated with our marketing and advertising activities as well as a higher number of employees engaged in sales and marketing. Sales and marketing expenses consist primarily of labor, consulting and advertising costs.

With respect to the years ending December 31, 2016 and December 31, 2015 - sales and marketing expenses amounted to \$336,287 and \$245,756, respectively, an increase of \$90,531 or 37%. The increase in sales and marketing expenses in 2016 relative to 2015 is primarily attributable to an increase in costs associated with our marketing and advertising activities as well having Menachem Biran, our Vice President, Sales and Marketing, employed for the entire year as opposed to only a portion of 2015. Sales and marketing expenses consist primarily of labor, consulting and advertising costs.

General and Administrative Expenses

With respect to the years ending December 31, 2015 and December 31, 2014 - general and administrative expenses amounted to \$807,277 and \$809,927, respectively, a decrease of \$2,650 or less than 0.5%.

With respect to the years ending December 31, 2016 and December 31, 2015 - General and Administrative expenses amounted to \$571,110 and \$807,277, respectively, a decrease of \$236,167 or 29%. The decrease in General and Administrative costs is result of decrease in professional fees associated with the F-1 in 2015.

Operating Loss

With respect to the years ending December 31, 2015 and December 31, 2014 - operating loss amounted to \$1,774,749 and \$1,927,807, respectively, a decrease of \$153,058 or 8%. The decrease in operating expenses is mainly due to the decreases in Research and Development Expenses, net as described above.

With respect to the years ending December 31, 2016 and December 31, 2015 - operating loss amounted to \$1,540,764 and \$1,774,749, respectively, a decrease of \$233,985 or 13%. The decrease in operating expenses is mainly due to the decrease in Research and Development Expenses net and General and Administrative Expenses, as described above.

Financing Expenses (income)

With respect to the years ending December 31, 2015 and December 31, 2014 - financing income and expenses amounted to \$(1,094) and \$236,561, respectively. The main reason for the sharp drop in financing expenses is due to the change in the fair value of the warrants and capital notes.

With respect to the years ending December 31, 2016 and December 31, 2015 - financing expenses and income amounted to 80,636 and \$(1,094), respectively. The main reason for the increase in financing expenses is due to the change in the fair value of the warrants and capital notes and beneficial conversion feature that was recorded with respect to convertible loan.

Net Loss

With respect to the years ending December 31, 2015 and December 31, 2014 - net loss amounted to \$1,773,655 and \$2,164,368, respectively, a decrease of \$390,713 or 18%. The decrease in net loss in 2015 relative to 2014 is mainly due to the reduction in research and development costs as well as financial costs.

Net loss attributable to holders of Ordinary shares for the years ended December 31, 2015 and December 31, 2014 amounted to \$1,773,655 and \$4,006,429, respectively, a decrease of \$2,232,774 or 56%. The decrease in net loss attributable to holders of ordinary shares in 2015 relative to 2014 is primarily a result of a deemed dividend in the amount \$1,842,061 in 2014.

With respect to the years ending December 31, 2016 and December 31, 2015 - net loss amounted to \$1,621,400 and \$1,773,655, respectively, a decrease of \$152,255 or 9%. The decrease in net loss in 2016 relative to 2015 is mainly due to the decrease in Research and Development Expenses net and General and Administrative Expenses, as described above.

Liquidity and Capital Resources

We currently have limited liquidity. As of December 31, 2016 and December 31, 2015, our cash on hand was approximately \$126,222 and \$10,912, respectively. Based on our current cash burn rate, strategy and operating plan, we believe that our cash reserves as of April 30, 2017 will enable us to operate for a period of approximately two months. In order to fund our anticipated liquidity needs beyond such two month period (or possibly earlier if our current cash burn rate, strategy or operating plan change in a way that accelerates or increases our liquidity needs), we will need to raise additional capital.

To date, we have financed our operations primarily through the sale of equity and convertible securities and government grants. As of December 31, 2016, we had sold 2,484,179 units pursuant to our private offering for aggregate proceeds of \$3,447,505. The offering has been extended several times and currently expires on July 30, 2017, unless extended by the Company (in its discretion) for one or more periods of 90 days each.

In July 2016, we had sold 1,134,667 Ordinary Shares in an internal equity investment round at a price per Ordinary Share of \$0.75 for an aggregate investment amount of \$851,000 including the conversion of the promissory notes described below. The closing of the round included the conversion of an aggregate of \$206,000 of convertible promissory notes into 274,667 Ordinary Shares.

On July 9, 2015, we entered into the SEDA with YA Global, pursuant to which we may, at our election and in our sole discretion, issue and sell to YA Global, from time to time after the Effective Date, and YA Global has agreed to purchase (subject to the limitations and contained therein), up to \$3,000,000 of Ordinary Shares at a price per share equal to 95% of the lowest daily volume weighted average price of the Ordinary Shares for the five consecutive trading days following our election to issue and sell shares to YA Global thereunder. Our ability to issue and sell shares under the SEDA is subject to, among other things, the qualification of our Ordinary Shares on the OTCQB. Pursuant to the terms of the SEDA, the Company agreed to pay a structuring and due diligence fee in an amount equal to \$15,000 and a commitment fee in an aggregate amount of \$150,000, payable by the issuance of 100,000 ordinary shares. In addition, pursuant to the SEDA, the investor purchased in October 2015, 100,000 units, at a purchase price of \$1.50 per unit. Each unit consists of (i) one Ordinary Share and (ii) a five-year warrant to purchase one ordinary share at an exercise price of \$1.50 per share.

We expect to continue to fund our operations through equity or debt financings (including pursuant to the SEDA), strategic collaborations, grants and, to the extent our marketing and commercialization efforts are successfully, sales of our products or technologies.

We have experienced cumulative losses of \$12.2 million from inception through December 31, 2016. In addition, we have not completed our efforts to establish a stable recurring source of revenues sufficient to cover our operating costs and expect to continue to generate losses for the foreseeable future. There is no assurance that we will be able to obtain an adequate level of financing needed for our near term requirements or the long-term development and commercialization of our product. These conditions raise substantial doubt about our ability to continue as a “going concern”.

Net cash used in operating activities for the years ended on December 31, 2016, 2015 and 2014 were \$1,281,273, \$1,106,420 and \$1,670,692, respectively, an increase of \$ 174,853 or 16% (from 2015 to 2016), and a decrease of \$564,272 or 34% (from 2014 to 2015). The increase in net cash used in operating activities in 2016 relative to 2015 is primarily attributable to changes in current assets and liabilities, mainly trade payables and current liabilities. The decrease in cash used in operating activities in 2015 relative to 2014 is also attributable to changes in current assets and liabilities, mainly trade payables and current liabilities, as well as decrease in net loss.

Net cash used in investing activities for the years ended on December 31, 2016, 2015 and 2014 were \$13,860, \$42,074 and \$57,874, respectively. The decrease in net cash used in investing activities in 2016 relative to 2015 is attributable to purchase of property and equipment on credit. The decrease in cash used in investing activities in 2015 relative to 2014 is due to lower investment in property and equipment.

Net cash provided by financing activities for the years ended on December 31, 2016, 2015 and 2014 were \$1,410,443, \$478,641 and \$2,301,215, respectively, an increase of \$931,802 or 194% (2016 in relation to 2015) and a decrease of \$1,822,574 or 79% (2015 in relation to 2014). The increase in net cash provided by financing activities in 2016 relative to 2015 is primarily attributable to incline in issuance of shares and convertible loans. The decrease in cash provided in financing activities in 2015 relative to 2014 is mostly due to a decline in issuance of shares and convertible loans.

Research and Development Expenses and Policies

Since our formation we have focused our research and development efforts on developing inks for solar cell metallization; developing silver inks for PE applications, developing copper based inks for PE applications and scaling up the production process for the nano particles and inks. The following table sets forth the gross amount of our research and development expenses for the last three years:

	Year Ended December 31,		
	2014	2015	2016
Research and development expenses	\$ 1,088,966	\$ 901,030	\$ 976,882

Trend Information

It is not possible for us to predict with any degree of accuracy the outcome of our research, development or commercialization efforts. As such, we cannot predict with any degree of accuracy any significant trends, uncertainties, demands, commitments or events that are reasonably likely to have a material effect on our net sales or revenues, income from continuing operations, profitability, liquidity or capital resources, or that would cause financial information to not necessarily be indicative of future operating results or financial condition. However, to the extent possible, certain trends, uncertainties, demands, commitments and events are in this “Management’s Discussion and Analysis of Financial Condition and Results of Operations.”

Off-Balance Sheet Arrangements

We currently do not have any off-balance sheet arrangements that have had, or are reasonably likely to have, a current or future effect on our financial condition, changes in financial condition, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources that are material to investors.

Jumpstart Our Business Startups Act of 2012

We qualify as an “emerging growth company,” as defined in the JOBS Act. For as long as we are deemed an emerging growth company, we are permitted to and intend to take advantage of specified reduced reporting and other regulatory requirements that are generally unavailable to other public companies, including:

- an exemption from the auditor attestation requirement in the assessment of our internal controls over financial reporting required by Section 404 of the Sarbanes-Oxley Act; and
- an exemption from compliance with any new requirements adopted by the PCAOB, requiring mandatory audit firm rotation or a supplement to the auditor’s report in which the auditor would be required to provide additional information about our audit and our financial statements.

We may take advantage of these provisions until the last day of our fiscal year following the fifth anniversary of the date of the first sale of our common equity securities pursuant to an effective registration statement under the Securities Act. However, if certain events occur prior to the end of such five year period, including if we become a “large accelerated filer,” our annual gross revenues exceed \$1.0 billion or we issue more than \$1.0 billion of non-convertible debt in any three-year period, we will cease to be an emerging growth company prior to the end of such five-year period.

Section 107 of the JOBS Act provides that an “emerging growth company” can take advantage of the extended transition period provided in Section 7(a)(2)(B) of the Securities Act for complying with new or revised accounting standards. This means that an “emerging growth company” can delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We are electing to delay such adoption of new or revised accounting standards. As a result, our financial statements may not be comparable to companies that comply with the public company effective date.

Contractual Obligations

As of December 31, 2016, we had no contractual obligations of the type required to be disclosed in this section.

ITEM 6. Directors, Senior Management and Employees.

Directors and Senior Management.

The following table sets forth information regarding our directors and senior management team as of April 30, 2017. Unless otherwise stated, the address for our directors and senior managers is c/o P.V. Nano Cell Ltd., 8 Hamasger Street, P.O. Box 236, Migdal Ha'Emek, Israel 2310102.

Name	Age	Position
Dr. Fernando de la Vega	57	Chief Executive Officer and Chairman
Menachem Biran	56	Vice President, Sales and Marketing
Steven Hsieh	39	Director
Dr. Astorre Modena	44	Director
Dr. Harold Wiener	57	Director

Senior Management

Set forth below is biographical information with respect to the members of our senior management team.

Dr. Fernando de la Vega co-founded PV Nano in 2009 and has served as our Chief Executive Officer and the Chairman of our board of directors since that time. Dr. de la Vega has more than 25 years industrial and entrepreneurial experience, having served in managerial positions with responsibility over research and development, quality and operations and has founded or co-founded several businesses in the fields of nano technology and functional materials. From 2001 to early 2009, Dr. de la Vega served as General Manager and a Director of Cima, a company focused on the development of innovative technologies in the field of flexible printed electronics. Dr. de la Vega also co-founded and, from 2003 through 2009, served as Chairman of the Nano Functional Materials Consortium, a five-year, \$25 million research consortium which performed general research on nanotechnology, sponsored by Israel's Office of the Authority as part of the MAGNET program, a special program intended to encourage cooperation between industry and academia. Dr. de la Vega has also co-founded three European research and development consortiums. He is a co-inventor of more than 11 patent families in the fields of nanomaterials and nanotechnology and author and co-author of many scientific and technical publications (including on conductive inks for inkjet printing). Dr. de la Vega holds a Ph.D. in Applied Chemistry from the Casali Institute at the Hebrew University of Jerusalem, as well as a M.Sc. in Applied Chemistry and a B.Sc. in Chemistry from The Hebrew University of Jerusalem.

Menachem Biran has served as Vice President, Sales and Marketing of the Company since June, 2015. Mr. Biran has more than 25 years entrepreneurial and business experience. Over the past 10 years, Mr. Biran was heavily involved in international sales and business development. Prior to joining us, from 2014 to 2015, Mr. Biran served as Director of Sales of Galtronics Corporation Ltd. From 2009 to 2014, Mr. Biran served as Vice President of Sales of Infinite Memories Ltd. From 2007 to 2009 Mr. Biran served as European Director of Sales of Integration Inc., and from 2002 to 2007, Mr. Biran served as Founder & Managing Director of 2.B.Trionics Ltd. which was sold in September 2007 to UR Group. Prior to 2002, Mr. Biran had served as well as Founder & General Manager of Maintronics Ltd., which was sold to EBV Elektronik Israel, and later as the General Manager of EBV Elektronik.

Board of Directors

Set forth below is biographical information with respect to the members of our board of directors, other than Dr. de la Vega. See “—Senior Management” above for biographical information with respect to Dr. de la Vega.

Steven Hsieh has been a member of our board of directors since 2013. Since July 2010, Mr. Hsieh has served as a Managing Director of Infinity Group, a private equity fund backed by China Development Bank and Clal Industries. Prior to serving as a Managing Director, from November 2001 to July 2010, Mr. Hsieh served as an Investment Associate at Infinity Group. From November 2001 to May 2011, Mr. Hsieh also served as a deputy general manager of the investment department of China-Singapore Suzhou Industrial Park Ventures Co., Ltd., the first limited partnership Israeli-Chinese joint venture fund in China. Mr. Hsieh has a master's degree in Finance from Shanghai University of Finance and Economics.

Dr. Astorre Modena has been a member of our board of directors since 2010. In 2005, he co-founded, and currently serves as General Partner of, Terra Venture Partners, an Israeli venture capital fund focused on clean technology. Prior to co-founding Terra Venture Partners, from 2001 to 2005, Dr. Modena was Associate and then Principal at Israel Seed Partners, a leading Israeli seed-stage venture capital firm. From 1998 to 2001, Dr. Modena was a consultant with McKinsey & Co., where he consulted for leading Italian, French and Israeli manufacturing and financial corporations on strategic and operational issues. Dr. Modena holds a Ph.D. in Plasma Physics from Imperial College in London and a B.Sc. in Physics from the Hebrew University of Jerusalem (where he was a part of the Honors Program for Outstanding Students). Dr. Modena was also a researcher in the laser-plasma physics department at Imperial College in London and École Polytechnique in Paris.

Dr. Harold Wiener has been a member of our board of directors since 2010. In 2006, he co-founded, and currently serves as General Partner of Terra Venture Partners, an Israeli venture capital fund focused on clean technology. Prior to co-founding Terra Venture Partners, from 1987 to 2005, Dr. Wiener was a Vice President for Research and Development and Business Development at Aromor Flavors and Fragrances Ltd., a producer of natural identical and synthetic raw materials for the flavor and fragrance industries. Dr. Wiener has also served as Chief Executive Officer of several biotech and biomedical companies and was the Business Development Manager and VP Sales and Marketing of Algatechnologies and was the Chief Technology Officer of the Misgav Technology Center Incubator. Dr. Wiener holds a Ph.D. in Applied Chemistry from the Hebrew University in Jerusalem, and has co-authored more than 25 scientific papers and patents in prestigious international journals.

Family Relationships

There are no family relationships between any members of our executive management and our directors.

B. Compensation

Compensation of Senior Management and Directors

The aggregate compensation, including share-based compensation, paid by us to our senior management with respect to the year ended December 31, 2016 was approximately \$276,898, consisting of \$7,842 of share based-compensation and \$269,056 in cash compensation. This amount does not include business travel, professional and business association due and expenses reimbursed to office holders, and other benefits commonly reimbursed or paid by companies in our industry. We did not pay any compensation to our directors for the year ended December 31, 2016, other than the compensation paid to Dr. de la Vega pursuant to his service agreement with us in connection with his service as our Chief Executive Officer.

We did not set aside or accrue any amounts to provide pension, retirement or similar benefits to any officers or directors of the Company in the year ended December 31, 2016.

Employment or Service Agreements with Senior Managers

Dr. Fernando de la Vega. We have entered into a services agreement, dated September 9, 2009 as amended, or the DBG Services Agreement, with Dr. de la Vega's wholly-owned service company, Dolev Bar-Guy Consulting and Management Ltd., or DBG, pursuant to which DBG has agreed to cause Dr. de la Vega to serve as our Chief Executive Officer during the term of the agreement. Pursuant to the terms of the DBG Services Agreement, Dr. de la Vega is entitled to a monthly fee of NIS 38,500 (\$10,013 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016) plus value added tax and a car allowance of NIS 2,500 (\$650 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016) plus value added tax per month plus reimbursement for fuel expenses and tolls. The Agreement provided for an original term of 24 months and has subsequently been extended and is made for an undefined term. Each party may terminate the DBG Services Agreement at any time for any reason upon 30 days prior written notice, or if the other party commits a breach of the DBG Services Agreement and does not cure such breach within 14 days after receipt of a written notice from the injured party.

Menachem Biran. We have entered into a Consultancy Agreement with Menachem Biran, dated June 17, 2015, pursuant to which Mr. Biran has agreed to serve as our Vice President, Sales and Marketing. Pursuant to such agreement, Mr. Biran was retained for an initial trial period ending on September 1, 2015, and was subsequently retained as a full time employee of the Company. Mr. Biran, as a full time employee, is entitled to a gross monthly salary of NIS 22,400 (\$5,826 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016); overtime pay of NIS 5,600 per month (\$1,456 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016); a car allowance of NIS 5,000 per month (\$1,300 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016) plus fuel and route 6 expenses; an amount equal to 7.5% of Mr. Biran's gross monthly salary and overtime pay to an Education Fund (known in Hebrew as "Keren Hishtalmut", a short term savings plan available in Israel which is tax free to the employee up to a cap determined by law); and an amount equal to 14.58%-15.83% of Mr. Biran's gross monthly salary and overtime pay to a manager's insurance fund (known in Hebrew as "Bituach Menahalim"). The Company is permitted to terminate Mr. Biran's employment with one month's prior notice.

Zvika Lifschitz. We entered into an Employment Agreement with Zvika Lifschitz, dated October 6, 2015, pursuant to which Mr. Lifschitz agreed to serve as our CFO. Pursuant to such agreement, Mr. Lifschitz was entitled to a gross monthly salary and overtime pay of NIS 35,200 (\$9,155 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016); a car allowance of NIS 3,240 per month (\$843 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016) plus fuel and route 6 expenses; an amount equal to 7.5% of Mr. Lifschitz's gross monthly salary and overtime pay to an Education Fund (known in Hebrew as "Keren Hishtalmut", a short term savings plan available in Israel which is tax free to the employee up to a cap determined by law); and an amount equal to 14.58%-15.83% of Mr. Lifschitz's gross monthly salary and overtime pay to a manager's insurance fund (known in Hebrew as "Bituach Menahalim"). Mr. Lifschitz's employment was terminated on May 21, 2016.

Adva Bar-On We entered into an Employment Agreement with Adva Bar-On, dated March 15, 2016, pursuant to which Ms. Bar-On agreed to serve as our Vice President, Research and Development. Pursuant to such agreement, Ms. Bar-On was entitled to a gross monthly salary and overtime pay of NIS 25,600 (\$6,658 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016); a car allowance of NIS 4,000 per month (\$1,040 based on the exchange rate of \$1 / NIS 3.845 in effect as of December 31, 2016) plus fuel and route 6 expenses; an amount equal to 7.5% of Ms. Bar-On's gross monthly salary and overtime pay to an Education Fund (known in Hebrew as "Keren Hishtalmut", a short term savings plan available in Israel which is tax free to the employee up to a cap determined by law); and an amount equal to 14.58%-15.83% of Ms. Bar-On's gross monthly salary and overtime pay to a manager's insurance fund (known in Hebrew as "Bituach Menahalim"). Ms. Bar-On's employment was terminated on December 15, 2016.

Service Agreements with Directors

We are not party to any service agreements with any of the members of our board of directors, other than the DBG Services Agreement with respect to Dr. de la Vega's service as our Chief Executive Officer, which is described above. Except as set forth above, to date, we have not paid any compensation to our directors for their services as such.

C. Board Practices.

Board of Directors

Under the Companies Law, the management of our business is vested in our board of directors. Our board of directors may exercise all powers and may take all actions that are not specifically granted to our shareholders or to management. Our Chief Executive Officer is responsible for our day-to-day management and has responsibilities established by our board of directors. Our Chief Executive Officer is appointed by, and serves at the discretion of, our board of directors, subject to the terms of a consulting agreement that we have entered into with him. Our Chief Executive Officer may retain additional executive officers to assist in the day to day management of our business.

Election and Removal of Directors

Our Articles of Association provide for a board of directors consisting of no less than three and no more than seven directors, with all directors (other than the external directors, whose appointment is required under the Companies Law, as described below) divided into three classes with staggered three-year terms with each class of directors to consist, as nearly as possible, of one-third of the total number of directors other than the external directors. At each annual general meeting of our shareholders thereafter, the election or re-election of directors following the expiration of the term of office of the directors of that class of directors will be for a term of office that expires on the third annual general meeting following such election or re-election. Each director so elected will hold office until the annual general meeting of our shareholders for the year in which his or her term expires, unless the tenure of such director expires earlier pursuant to the Companies Law or unless he or she is removed from office as described below.

- Our board of directors will be divided among the three staggered classes of directors (except for the external directors): the Class II director, is Dr. Harold Wiener, and his term will expire at our annual meeting of shareholders to be held in 2017; and

- the Class III directors will be Dr. Fernando de la Vega and Dr. Astorre Modena, and their terms will expire at our annual meeting of shareholders to be held in 2018.

In addition after the registration date of our shares, we are required to appoint two (2) external directors who will not be part of the staggered board election, as described below.

External Directors

Under the Companies Law, companies incorporated under the laws of the State of Israel whose shares are publicly traded are required to appoint at least two external directors who meet the qualification requirements set forth in the Companies Law. We were required to hold a shareholders meeting within three months of the date our shares became publicly traded for the purpose of election of the two external directors. As of the date of this annual report, a shareholders meeting to elect external directors has not been held, and the Company is, therefore, not currently in compliance with the requirements of the Companies Law. Due to such non-compliance with the Companies Law, the Company may be subject to third parties' and/or shareholders' claims under the Israeli Torts Ordinance. In addition, due to not yet appointing any external directors, the Company cannot approve transactions which require approval of external directors under the Companies Law, as described below.

The Companies Law provides for special approval requirements for the election of external directors. External directors must be elected by a majority vote of the shares present and voting at a shareholders meeting, provided that either:

- such majority includes at least a majority of the shares held by all shareholders who are not controlling shareholders and do not have a personal interest in such election (other than a personal interest which is not derived from a relationship with a controlling shareholder), present and voting at such meeting; or
- the total number of shares of non-controlling shareholders and shareholders who do not have a personal interest in such election (other than a personal interest which is not derived from a relationship with a controlling shareholder) voting against the election of an external director does not exceed 2% of the aggregate voting rights in the company.

After an initial term of three years, an external director may be reelected to serve in that capacity for up to two additional terms of three years each under one of two alternatives. Under the first alternative, the external director may be nominated by the board of directors, and such external director's reelection is approved by a majority of the shareholders that was required to elect such external director in such director's initial election. Under the second alternative, the external director may be nominated by a shareholder(s) holding 1% or more of the voting power and at the general meeting of shareholders such reelection is approved by a majority of those shares present and voting that are held by shareholders who are non-controlling shareholders and do not have a personal interest in the reelection, provided that such shares represent at least 2% of the total voting power in the company.

The term of office for external directors for Israeli companies traded on certain foreign stock exchanges (which does not include the OTCQB), may be extended indefinitely in increments of additional three-year terms, provided that, prior to each nomination for reelection, the audit committee and the board of directors of the company confirm that, in light of the external director's expertise and special contribution to the work of the board of directors and its committees, the reelection for such additional period is beneficial to the company and provided that the reasons for such confirmation are presented to the shareholders at the general meeting at which such reelection is being sought and the external director is reelected in accordance with the appropriate approval method described above.

External directors may be removed from office by a special general meeting of shareholders called by the board of directors, which approves such dismissal by the same shareholder vote percentage required for their election or by a court, in each case, only under limited circumstances, including ceasing to meet the statutory qualifications for appointment, or violating their duty of loyalty to the company. If an external directorship becomes vacant and there are fewer than two external directors on the board of directors at the time, then the board of directors is required under the Companies Law to call a shareholders' meeting as soon as practicable to appoint a replacement external director.

Each committee of the board of directors that exercises powers of the board of directors is required to include at least one external director, and the audit and compensation committees are required to comprise entirely of external directors then serving on the board of directors. Under the Companies Law, external directors of a company are prohibited from receiving, directly or indirectly, any compensation from the company other than for their services as external directors pursuant to the provisions and limitations set forth in regulations promulgated under the Companies Law, which compensation is determined prior to their appointment and may not be changed throughout the term of their service as external directors (except for certain exceptions set forth in the regulations).

The Companies Law provides that a person is not qualified to serve as an external director if, as of the appointment date or at any time during the two years preceding his or her appointment, that person or a relative, partner or employer of that person, any person to whom that person is subordinate (whether directly or indirectly), or any entity under that person's control, had any affiliation or business relationship with the company, any controlling shareholder or relative of a controlling shareholder or an entity that, as of the appointment date is, or at any time during the two years preceding that date was, controlled by the company or by any entity controlling the company.

The term affiliation for this purpose includes (subject to certain exceptions):

- an employment relationship;
- a business or professional relationship maintained on a regular basis;
- control; and
- service as an office holder, excluding service as a director in a private company prior to the first offering of its shares to the public if such director was appointed as a director of the private company in order to serve as an external director following the public offering.

The Companies Law defines the term "office holder" of a company to include a general manager, chief business manager, deputy general manager, vice general manager, any other person assuming the responsibilities of any of these positions regardless of such person's title, a director and any other manager directly subordinate to the general manager.

The following additional qualifications apply to an external director:

- a person may not be elected as an external director if he or she is a relative of a controlling shareholder;
- if a company does not have a controlling shareholder or a holder of 25% or more of the voting power, then a person may not be elected as an external director if he or she (or his or her relative, partner, employer or any entity under his or her control) has, as of the date of the person's election to serve as an external director, any affiliation with the then chairman of the board of directors, Chief Executive Officer, a holder of 5% or more of the issued share capital or voting power, or the most senior financial officer of the company;
- a person may not serve as an external director if he or she (or his or her relative, partner, employer, a person to whom he or she is subordinated or any entity under his or her control) has business or professional relations with anyone with whom affiliation is prohibited as described above, and even if these relations are not on a regular basis (other than immaterial relations); and
- a person may not continue to serve as an external director if he or she accepts, during his or her tenure as an external director, direct or indirect compensation from the company for his or her role as a director, other than the amounts prescribed under the regulations promulgated under the Companies Law, indemnification, the company's undertaking to indemnify such person and insurance coverage.

Furthermore, no person may serve as an external director if that person's professional or other activities create, or may create, a conflict of interest with that person's responsibilities as a director or otherwise interfere with that person's ability to serve as an external director or if such person is an employee of the Israel Securities Authority or of an Israeli stock exchange. Following the termination of an external director's membership on the board of directors, such former external director and his or her spouse and children may not be provided a direct or indirect benefit by the company, its controlling shareholder or any entity under its controlling shareholder's control, including serving as an executive officer or director of the company or a company controlled by its controlling shareholder and cannot be employed by or provide professional services to the company for pay, either directly or indirectly, including through a corporation controlled by that former external director, for a period of two years (the prohibition also applies to relatives of the former external director who are not his or her spouse or children, but only for a period of one year).

If at the time an external director is appointed, all members of the board of directors who are not controlling shareholders or their relatives are of the same gender, the external director must be of the other gender. A director of one company may not be appointed as an external director of another company if a director of the other company is acting as an external director of the first company at such time.

Pursuant to the regulations promulgated under the Companies Law, a person may be appointed as an external director only if he or she either has professional qualifications or has accounting and financial expertise as defined in those regulations. In addition, at least one of the external directors must be determined by our board of directors to have accounting and financial expertise and the board is required to determine the minimum number of board members who are required to possess accounting and financial expertise. In determining the number of directors required to have such expertise, the members of our board of directors must consider, among other things, the type and size of the company and the scope and complexity of its operations.

A director with accounting and financial expertise is a director who, due to his or her education, experience and skills, possesses a high degree of proficiency in, and an understanding of, business-accounting matters and financial statements, such that he or she is able to understand the financial statements of the company, in depth, and initiate a discussion about the manner of presentation of the financial data. A director is deemed to have professional qualifications if he or she has any of (i) an academic degree in economics, business management, accounting, law or public administration, (ii) an academic degree or has completed another form of higher education in the primary field of business of the company or in a field which is relevant to his/her position in the company, or (iii) at least five years of experience serving in one of the following capacities, or at least five years of cumulative experience serving in two or more of the following capacities: (a) a senior business management position in a company with a significant volume of business; (b) a senior position in the company's primary field of business; or (c) a senior position in public administration or service. The board of directors is charged with determining whether a director possesses financial and accounting expertise or professional qualifications.

Audit Committee

Our board of directors does not have an audit committee. We were required to constitute an audit committee under the Companies Law following the commencement of the trading of our shares. As of the date of this annual report, our board of directors has not established an audit committee, and therefore we are not currently in compliance with the requirements of the Companies Law. Due to such non-compliance with the Companies Law, the Company may be subject to third parties' and/or shareholders' claims under the Israeli Torts Ordinance. In addition, due to not having established an audit committee, the Company cannot approve transactions which require approval of the audit committee under the Companies Law, as described below.

Pursuant to the Companies Law, the audit committee must be comprised of at least three directors, including all of the external directors, and a majority of its members must be unaffiliated directors. An unaffiliated director is an external director or a director who is appointed or classified as such, and who meets the qualifications of an external director (other than the professional qualifications/accounting and financial expertise requirement), whom the audit committee has confirmed to meet the external director qualifications, and who has not served as a director of the company for more than nine consecutive years (with any period of up to two years during which such person does not serve as a director not being viewed as interrupting a nine-year period). For Israeli companies traded on certain foreign stock exchanges (which does not include the OTCQB), a director who qualifies as an independent director for the purposes of such director's membership on the audit committee in accordance with the rules of such stock exchange is also deemed to be an unaffiliated director under the Companies Law. Such person must meet the non-affiliation requirements as to relationships with the controlling shareholder (and any entity controlled by the controlling shareholder, other than the company and other entities controlled by the company) and must meet the nine-year requirement described above. Following the nine-year period, a director of an Israeli company traded on such foreign stock exchange may continue to be considered an unaffiliated director for unlimited additional periods of three years each, provided the audit committee and the board of directors of the company confirm that, in light of the director's expertise and special contribution to the work of the board of directors and its committees, the reelection for such additional period is beneficial to the company.

Under the Companies Law, the audit committee may not include the chairman of the board, any director employed by the company or who regularly provides services to the company (other than as a board member), a controlling shareholder or any relative of the controlling shareholder, as each term is defined in the Companies Law. In addition, the audit committee may not include any director employed by the company's controlling shareholder or by a company controlled by such controlling shareholder, or who provides services to the company's controlling shareholder or a company controlled by such controlling shareholder, on a regular basis, or a director whose main livelihood is from the controlling shareholder. The chairman of the audit committee is required to be an external director.

Audit Committee Role

We presently do not have an audit committee despite the requirements of the Companies Law that we establish an audit committee following the commencement of the trading of our shares. However, management plans to form an audit committee in the near future. We intend that the audit committee will be comprised solely of independent directors. Our board of directors will adopt an audit committee charter that will set forth the responsibilities of the audit committee consistent with the rules of the SEC, as well as the requirements for such committee under the Israeli Companies Law, including the following:

- oversight of our independent registered public accounting firm and recommending the engagement, compensation or termination of engagement of our independent registered public accounting firm to the board of directors in accordance with Israeli law;
- recommending the engagement or termination of the person filling the office of our internal auditor; and
- recommending the terms of audit and non-audit services provided by the independent registered public accounting firm for pre-approval by our board of directors.

Our audit committee will provide assistance to our board of directors in fulfilling its legal and fiduciary obligations in matters involving our accounting, auditing, financial reporting, internal control and legal compliance functions by pre-approving the services performed by our independent auditors and reviewing their reports regarding our accounting practices and systems of internal control over financial reporting. Our audit committee will also oversee the audit efforts of our independent auditors and takes those actions that it deems necessary to satisfy itself that the auditors are independent of management.

Under the Israeli Companies Law, our audit committee will be responsible for:

- determining whether there are deficiencies in the business management practices of our company, including in consultation with our internal auditor or the independent auditor, and making recommendations to the board of directors to improve such practices;

- determining whether to approve certain related party transactions (including transactions in which an office holder has a personal interest and whether such transaction is extraordinary or material under Israeli Companies Law) and establishing the approval process for certain transactions with a controlling shareholder or in which a controlling shareholder has a personal interest (see “— Approval of Related Party Transactions under Israeli Law”);
- where the board of directors approves the working plan of the internal auditor, examining such working plan before its submission to the board of directors and proposing amendments thereto;
- examining our internal controls and internal auditor’s performance, including whether the internal auditor has sufficient resources and tools to dispose of its responsibilities;
- examining the scope of our auditor’s work and compensation and submitting a recommendation with respect thereto to our board of directors or shareholders, depending on which of them is considering the appointment of our auditor; and
- establishing procedures for the handling of employees’ complaints as to deficiencies in the management of our business and the protection to be provided to such employees.

Our audit committee may not approve any actions requiring its approval (see “— Approval of Related Party Transactions under Israeli Law”), unless at the time of the approval a majority of the committee’s members are present, which majority consists of unaffiliated directors including at least one external director.

Compensation Committee

Our board of directors does not have a compensation committee. We are required to constitute a compensation committee under the Companies Law within nine months following the commencement of the trading of our shares. Under the Companies Law, the compensation committee will be required to be comprised of at least three directors, including all of the external directors. The additional members of the compensation committee must be directors that receive compensation subject to the provisions and limitations set forth in the regulations promulgated under the Companies Law. An external director shall serve as the chairman of the compensation committee.

Under the Companies Law, the external directors shall constitute a majority of the compensation committee.

The compensation committee’s duties shall include, among other things, recommending compensation policies to the board of directors, overseeing compensation policy implementation, and ratifying the compensation of executive officers.

Compensation Policy under the Companies Law

Under the Companies Law, within nine months following the commencement of the trading of our shares, our compensation committee will be required to adopt a policy for the compensation of its directors and executive officers, who we refer to collectively as “office holders.” In adopting this compensation policy, the compensation committee will be required to take into account factors such as the office holder’s education, experience, past compensation arrangements with the company, and the proportional difference between the person’s compensation and the average compensation of the company’s employees. The compensation policy must be approved at least once every three years at the company’s general meeting of shareholders, and is subject to the approval of a majority vote of the shares present and voting at a shareholders meeting, provided that either:

- such majority includes at least a majority of the shares held by all shareholders who are not controlling shareholders and do not have a personal interest in such election (other than a personal interest which is not derived from a relationship with a controlling shareholder), present and voting at such meeting; or
- the total number of shares of non-controlling shareholders and shareholders who do not have a personal interest in such election (other than a personal interest which is not derived from a relationship with a controlling shareholder) voting against the approval of the compensation policy does not exceed 2% of the aggregate voting rights in the company.

Our board of directors will be permitted to approve the compensation policy even if such policy was not approved by our shareholders, provided that the compensation committee and the board resolve, based on detailed consideration and after reconsidering the compensation policy, that approval of the policy is in the best interest of the Company, despite the fact that it was not approved by the shareholders' meeting.

Once adopted, the compensation policy shall serve as the basis for decisions concerning the financial terms of employment or engagement of executive officers and directors, including exculpation, insurance, indemnification or any monetary payment or obligation of payment in respect of employment or engagement. The compensation policy must relate to certain factors, including advancement of the company's objectives, the company's business and its long-term strategy, and creation of appropriate incentives for executives. It must also consider, among other things, the company's risk management, size and the nature of its operations. The compensation policy must furthermore consider the following additional factors:

- the knowledge, skills, expertise and accomplishments of the relevant director or executive;
- the director's or executive's roles and responsibilities and prior compensation agreements with him or her;
- the relationship between the terms offered to the relevant director or executive and the average compensation of the other employees of the company, including those employed through outsourcing firms;
- the impact of disparities in salary upon work relationships in the company;
- the possibility of reducing variable compensation at the discretion of the board of directors, and the possibility of setting a limit on the exercise value of non-cash variable compensation; and
- as to severance compensation, the period of service of the director or executive, the terms of his or her compensation during such service period, the company's performance during that period of service, the person's contribution towards the company's achievement of its goals and the maximization of its profits, and the circumstances under which the person is leaving the company.

The compensation policy must also include the following principles:

- the link between variable compensation and long-term performance and measurable criteria;
- the relationship between variable and fixed compensation, and the ceiling for the value of variable compensation;
- the conditions under which a director or executive would be required to repay compensation paid to him or her if it was later shown that the data upon which such compensation was based was inaccurate and was required to be restated in the company's financial statements;
- the minimum holding or vesting period for variable, equity-based compensation while referring to appropriate a long-term perspective based incentives; and
- maximum limits for severance compensation.

The compensation committee will be responsible for (a) recommending the compensation policy to the company's board of directors for its approval (and subsequent approval by our shareholders) and (b) duties related to the compensation policy and to the approval of the terms of engagement of office holders, including:

- recommending whether a compensation policy should continue in effect, if the then-current policy has a term of greater than three years (approval of either a new compensation policy or the continuation of an existing compensation policy must in any case occur every three years);
- recommending to the board of directors periodic updates to the compensation policy;
- assessing implementation of the compensation policy; and
- determining whether the compensation terms of a proposed new Chief Executive Officer of the company need not be brought to approval of the shareholders.

The compensation committee's duties include recommending compensation policies to the board of directors, overseeing compensation policy implementation, and ratifying the compensation of executive officers.

Compensation of Directors

Under the Companies Law, the compensation of our directors requires the approval of our compensation committee, the subsequent approval of the board of directors and, unless exempted under the regulations promulgated under the Companies Law, the approval of the shareholders at a general meeting. Where the director is also a controlling shareholder, the requirements for approval of transactions with controlling shareholders apply, as described below under “—Approval of Related Party Transactions under Israeli Law—Disclosure of Personal Interests of a Controlling Shareholder and Approval of Acts and Transactions.”

The directors are also entitled to be paid reasonable travel, hotel and other expenses expended by them in attending board meetings and performing their functions as directors of the company, all of which is to be determined by the board of directors.

External directors are entitled to remuneration subject to the provisions and limitations set forth in the regulations promulgated under the Companies Law.

Internal Auditor

Under the Companies Law, we are required to appoint an internal auditor recommended by the audit committee and appointed by the board of directors. As of the date of this annual report, the board of directors has not appointed an internal auditor, and the Company is therefore not currently in compliance with the requirements of the Companies Law. Due to such non-compliance with the Companies Law, the Company may be subject to third parties' and/or shareholders' claims under the Israeli Torts Ordinance.

An internal auditor may not be:

- a person (or a relative of a person) who holds more than 5% of the company's outstanding shares or voting rights;
- a person (or a relative of a person) who has the power to appoint a director or the general manager of the company;
- an office holder or director of the company; or
- a member of the company's independent accounting firm, or anyone on its behalf.

The role of the internal auditor is to examine, among other things, our compliance with applicable law and orderly business procedures. The audit committee is required to oversee the activities and to assess the performance of the internal auditor as well as to review the internal auditor's work plan.

Certain Service Contracts

We have not entered into service contracts with any of our directors providing for benefits upon termination of service.

Approval of Related Party Transactions under Israeli Law

Fiduciary duties of office holders

The Companies Law imposes a duty of care and a duty of loyalty on all office holders of a company. The duty of care of an office holder is based on the duty of care set forth in connection with the tort of negligence under the Israeli Torts Ordinance (New Version) 5728-1968. This duty of care requires an office holder to act with the degree of proficiency with which a reasonable office holder in the same position would have acted under the same circumstances. The duty of care includes a duty to use reasonable means, in light of the circumstances, to obtain information on the advisability of a given action brought for his or her approval or performed by virtue of his or her position and all other important information pertaining to these actions.

The duty of loyalty requires an office holder to act in good faith and for the benefit of the company, and includes the duty to:

- refrain from any act involving a conflict of interest between the performance of his or her duties in the company and his or her other duties or personal affairs;
- refrain from any activity that is competitive with the business of the company;
- refrain from exploiting any business opportunity of the company for the purpose of gaining a personal advantage for himself or herself or others; and
- disclose to the company any information or documents relating to the company's affairs which the office holder received as a result of his or her position as an office holder.

We may approve an act performed in breach of the duty of loyalty of an office holder provided that the office holder acted in good faith, the act or its approval does not harm the company, and the office holder discloses his or her personal interest, as described below.

Disclosure of personal interests of an office holder and approval of acts and transactions

The Companies Law requires that an office holder promptly disclose to the company any personal interest that he or she may have and all related material information or documents relating to any existing or proposed transaction by the company. An interested office holder's disclosure must be made promptly and in any event no later than the first meeting of the board of directors at which the transaction is considered. An office holder is not obliged to disclose such information if the personal interest of the office holder derives solely from the personal interest of his or her relative in a transaction that is not considered an extraordinary transaction.

The term personal interest is defined under the Companies Law to include the personal interest of a person in an action or in the business of a company, including the personal interest of such person's relative or the interest of any corporation in which the person is an interested party, but excluding a personal interest stemming solely from the fact that such person holds shares in the company. A personal interest furthermore includes the personal interest of a person for whom the office holder holds a voting proxy or the interest of the office holder with respect to his or her vote on behalf of the shareholder for whom he or she holds a proxy even if such shareholder itself has no personal interest in the approval of the matter. An office holder is not, however, obliged to disclose a personal interest if it derives solely from the personal interest of his or her relative in a transaction that is not considered an extraordinary transaction.

Under the Companies Law, an extraordinary transaction that requires approval is defined as any of the following:

- a transaction other than in the ordinary course of business;
- a transaction that is not on market terms; and
- a transaction that may have a material impact on the company's profitability, assets or liabilities.

Under the Companies Law, once an office holder has complied with the disclosure requirement described above, a company may approve a transaction between the company and the office holder or a third party in which the office holder has a personal interest, or approve an action by the office holder that would otherwise be deemed a breach of duty of loyalty. However, a company may not approve a transaction or action that is adverse to the company's interest or that is not performed by the office holder in good faith.

Under the Companies Law, unless the articles of association of a company provide otherwise, a transaction with an office holder, a transaction with a third party in which the office holder has a personal interest, and an action of an office holder that would otherwise be deemed a breach of duty of loyalty requires approval by the board of directors. Our Articles of Association do not provide otherwise. If the transaction or action considered is (i) an extraordinary transaction, (ii) an action of an office holder that would otherwise be deemed a breach of duty of loyalty and may have a material impact on a company's profitability, assets or liabilities, (iii) an undertaking to indemnify or insure an office holder who is not a director, or (iv) for matters considered an undertaking concerning the terms of compensation of an office holder who is not a director, including, an undertaking to indemnify or insure such office holder, then audit committee approval is required prior to approval by the board of directors, if the Company has an audit committee. Arrangements regarding the compensation, indemnification or insurance of a director require the approval of the audit committee, if there is one, the board of directors and shareholders, in that order.

A director who has a personal interest in a matter that is considered at a meeting of the board of directors may generally not be present at the meeting or vote on the matter unless a majority of the directors have a personal interest in the matter, or, unless the chairman of the board of directors determines that he or she should be present to present the transaction that is subject to approval. If a majority of the directors have a personal interest in the matter, such matter also requires approval of the shareholders of the company.

Pursuant to the Companies Law, public company compensation arrangements such as insurance, indemnification or exculpation arrangements with office holders who are not the Chief Executive Officer or a director require compensation committee approval and subsequent approval by the board of directors. Compensation arrangements must comply with the compensation policy of the company.

In special circumstances, the compensation committee and the board of directors may approve compensation arrangements that do not match the compensation policy of the company, subject to the approval of a majority vote of the shares present and voting at a shareholders meeting, provided that either: (a) such majority includes at least a majority of the shares held by all shareholders who are not controlling shareholders and do not have a personal interest in such compensation arrangement; or (b) the total number of shares of non-controlling shareholders and shareholders who do not have a personal interest in the compensation arrangement and who vote against the arrangement does not exceed two percent of the company's aggregate voting rights, or Special Majority Vote for Compensation. In the event that the Special Majority Vote for Compensation is not obtained, the compensation committee and the board of directors may reconsider the compensation arrangement and approve it, after a detailed review.

Pursuant to the Companies Law, public company compensation arrangements with the Chief Executive Officer require compensation committee approval, approval by the board of directors and Special Majority for Compensation approval at the shareholders' meeting. Compensation arrangements with the Chief Executive Officer must comply with the compensation policy of the company. In the event that Special Majority Vote for Compensation is not obtained, then the compensation committee and the board of directors may reconsider the compensation arrangement and approve it after a detailed review. Notwithstanding the above, the compensation committee is authorized to refrain from submitting a proposed compensation arrangement with a Chief Executive Officer candidate for shareholder approval, if (a) doing so would jeopardize the company's engagement of the candidate and (b) the proposed arrangement complies with the company's compensation policy.

With respect to amending an existing compensation arrangement, only the approval of the compensation committee is required, provided the committee determines that the amendment is not material in relation to the existing compensation arrangement. With respect to amending an existing related-party transaction, only the approval of the audit committee is required, provided the committee determines that the amendment is not material in relation to the existing arrangement.

Compensation arrangements with directors who are not controlling shareholders, including compensation arrangements with directors in their capacities as executive officers, (unless exempted under the applicable regulations), require the approval of the compensation committee, the board of directors and the company's shareholders, in that order.

Disclosure of personal interests of a controlling shareholder and approval of acts and transactions

Pursuant to the Companies Law, the disclosure requirements regarding personal interests that apply to directors and executive officers also apply to a controlling shareholder of a public company. A controlling shareholder is a shareholder who has the ability to direct the activities of a company, including a shareholder who holds 25% or more of the voting rights if no other shareholder holds more than 50% of the voting rights. For this purpose, the holdings of all shareholders who have a personal interest in the same transaction will be aggregated.

An extraordinary transaction between a public company and a controlling shareholder, or in which a controlling shareholder has a personal interest, and the terms of any compensation arrangement of a controlling shareholder who is an office holder or his relative, require the approval of a company's audit committee (or compensation committee with respect to compensation arrangements), board of directors and shareholders, in that order. In addition, the shareholder approval must fulfill one of the following requirements:

- at least a majority of the voting rights in the company held by shareholders who have no personal interest in the transaction and who are present and voting at the general meeting, must be voted in favor of approving the transaction (for this purpose, abstentions are disregarded); or
- the voting rights held by shareholders who have no personal interest in the transaction and who are present and voting at the general meeting, and who vote against the transaction, do not exceed 2% of the voting rights in the company.

To the extent that any such transaction with a controlling shareholder or his relative is for a period extending beyond three years, shareholder approval is required once every three years, unless, in respect to certain transactions, the audit committee determines that the duration of the transaction is reasonable under the circumstances.

Pursuant to regulations adopted under the Companies Law, a transaction with a controlling shareholder that would otherwise require approval of the shareholders is exempt from shareholders' approval if the audit committee and the board of directors determine that the transaction is on market terms and in the ordinary course of business and does not otherwise harm the company. Under these regulations, a shareholder holding at least 1% of the issued share capital of the company may require, within 14 days of the publication of such determination, that despite such determination by the audit committee and the board of directors, such transaction will require shareholder approval under the same majority requirements that otherwise apply to such transactions.

Duties of Shareholders

Under the Companies Law, a shareholder has a duty to refrain from abusing its power in the company and to act in good faith and in an acceptable manner in exercising its rights and performing its obligations to the company and other shareholders, including, among other things, voting at general meetings of shareholders on the following matters:

- an amendment to the company's articles of association;
- an increase in the company's authorized share capital;
- a merger; and
- the approval of related party transactions and acts of office holders that require shareholder approval.

A shareholder also has a general duty to refrain from discriminating against other shareholders.

The remedies generally available upon a breach of contract will also apply to a breach of the above mentioned duties, and in the event of discrimination against other shareholders, additional remedies are available to the injured shareholder.

In addition, any controlling shareholder, any shareholder that knows that its vote can determine the outcome of a shareholder vote and any shareholder that, under a company's articles of association, has the power to appoint or prevent the appointment of an office holder, or has another power with respect to a company, is under a duty to act with fairness towards the company. The Companies Law does not describe the substance of this duty except to state that the remedies generally available upon a breach of contract will also apply in the event of a breach of the duty to act with fairness, taking the shareholder's position in the company into account.

Exculpation, Insurance and Indemnification of Office Holders

Under the Companies Law, a company may not exculpate an office holder from liability for a breach of the duty of loyalty. An Israeli company may exculpate an office holder in advance from liability to the company, in whole or in part, for damages caused to the company as a result of a breach of duty of care but only if a provision authorizing such exculpation is inserted in its articles of association. Our Articles of Association include such a provision. An Israeli company may not exculpate a director from liability arising out of a prohibited dividend or distribution to shareholders.

An Israeli company may indemnify an office holder in respect of the following liabilities and expenses incurred for acts performed as an office holder, either in advance of an event or following an event, provided a provision authorizing such indemnification is contained in its articles of association:

- financial liability imposed on him or her in favor of another person pursuant to a judgment, settlement or arbitrator's award approved by a court (except that, if an undertaking to indemnify an office holder with respect to such liability is provided in advance, then such an undertaking must be limited to events which, in the opinion of the board of directors, can be foreseen based on the company's activities when the undertaking to indemnify is given, and to an amount or according to criteria determined by the board of directors as reasonable under the circumstances, and such undertaking shall detail the abovementioned events and amount or criteria);
- reasonable litigation expenses, including attorneys' fees, incurred by the office holder: (1) as a result of an investigation or proceeding instituted against him or her by an authority authorized to conduct such investigation or proceeding (provided that (i) no indictment was filed against such office holder as a result of such investigation or proceeding; and (ii) no financial liability, such as a criminal penalty, was imposed upon him or her as a substitute for the criminal proceeding as a result of such investigation or proceeding or, if such financial liability was imposed, it was imposed with respect to an offense that does not require proof of criminal intent); and (2) in connection with a monetary sanction; and

- reasonable litigation expenses, including attorneys' fees, incurred by the office holder or imposed by a court in proceedings instituted against him or her by the company, on its behalf or by a third party or in connection with criminal proceedings in which the office holder was acquitted or as a result of a conviction for an offense that does not require proof of criminal intent.

An Israeli company may insure an office holder against the following liabilities incurred for acts performed as an office holder if and to the extent provided in the company's articles of association:

- a breach of duty of loyalty to the company, to the extent that the office holder acted in good faith and had a reasonable basis to believe that the act would not prejudice the company;
- a breach of duty of care to the company or to a third party, including a breach arising out of the negligent conduct of the office holder; and
- a financial liability imposed on the office holder in favor of a third party.

An Israeli company may not indemnify or insure an office holder against any of the following:

- a breach of duty of loyalty, except to the extent that the office holder acted in good faith and had a reasonable basis to believe that the act would not prejudice the company;
- a breach of duty of care committed intentionally or recklessly, excluding a breach arising out of the negligent conduct of the office holder;
- an act or omission committed with intent to derive illegal personal benefit; or
- a civil fine, monetary sanction or forfeit levied against the office holder.

Under the Companies Law, exculpation, indemnification and insurance of office holders must be approved by the audit committee (if any) and the board of directors and, with respect to directors, by shareholders.

Pursuant to the Israeli Securities Law, 5728-1968, or the Israeli Securities Law, and the Companies Law, the Israeli Securities Authority may impose administrative sanctions against companies like ours, and their office holders, for certain violations of the Israeli Securities Law or the Companies Law. These sanctions include monetary sanctions and certain restrictions on serving as a director or senior officer of a public company for certain periods of time. The amendments to the Israeli Securities Law and to the Companies Law provide that only certain types of such liabilities may be reimbursed by indemnification and insurance. Specifically, legal expenses (including attorneys' fees) incurred by an individual in the applicable administrative enforcement proceeding and certain compensation payable to injured parties for damages suffered by them are permitted to be reimbursed via indemnification or insurance, provided that such indemnification and insurance are authorized by the company's articles of association, and receive the requisite corporate approvals. Pursuant to the Israeli Securities Law and the Companies Law, only certain types of such liabilities may be reimbursed by indemnification and insurance. Specifically, legal expenses (including attorneys' fees) incurred by an individual in the applicable administrative enforcement proceeding and any compensation payable to injured parties for damages suffered by them (as described in the immediately preceding paragraph) are permitted to be reimbursed via indemnification or insurance, provided that such indemnification and insurance are authorized by the company's articles of association.

Our Articles of Association allow us to insure our office holders, to the extent fully permitted by law (including any expansion thereof), for any liability imposed on them as a consequence of an act (including any omission) which was performed by virtue of being an office holder. Our Articles of Association also allow us to provide insurance in connection with administrative enforcement proceedings, including without limitation, the proceedings described above.

Our office holders are currently covered by a directors and officers' liability insurance policy. As of the date of this annual report, no claims for directors' and officers' liability insurance have been filed under this policy and we are not aware of any pending or threatened litigation or proceeding involving any of our directors or officers in which indemnification is sought. Pursuant to the approval of our shareholders, we carry directors' and officers' insurance covering each of our directors and executive officers for acts and omissions.

We have entered into indemnification agreements with each of our directors exculpating them from a breach of their duty of care to us to the fullest extent permitted by law, subject to limited exceptions. This indemnification is limited to events determined as foreseeable by the board of directors based on our activities, and to an amount or according to criteria determined by the board of directors as reasonable under the circumstances. We intend to enter into new agreements with each of our directors and executive officers exculpating them from liability to us for damages caused to us as a result of a breach of duty of care and undertaking to indemnify them, in each case, to the fullest extent permitted by our amended and restated articles of association to be effective upon the effectiveness of our registration statement and the Israeli Companies Law, including with respect to liabilities resulting from this offering to the extent that these liabilities are not covered by insurance. The maximum aggregate amount of indemnification that we may pay to all of our directors and office holders together based on the indemnification agreement is \$5,000,000. Such indemnification amounts will be in addition to any amounts available under our directors' and office holders' liability insurance policy.

There is no pending litigation or proceeding against any of our directors or officers as to which indemnification is being sought, nor are we aware of any pending or threatened litigation that may result in claims for indemnification by any director or officer.

D. Employees.

As of December 31, 2016, we had 10 employees, all of whom are full-time employees, located in Israel. One of the employees is in marketing, two in administration and the rest are in research and development or ink production. Israeli labor laws govern the length of the workday, minimum wages for employees, procedures for hiring and dismissing employees, determination of severance pay, annual leave, sick days, advance notice of termination of employment, equal opportunity and anti-discrimination laws and other conditions of employment of our Israeli employees. Subject to certain exceptions, Israeli law generally requires severance pay upon the retirement, death or dismissal of an employee, and requires us and our employees to make payments to the National Insurance Institute, which is similar to the U.S. Social Security Administration. Our Israeli employees have pension plans in accordance with the applicable Israeli legal requirements.

While none of our employees are party to any collective bargaining agreements, certain provisions of the collective bargaining agreements between the Histadrut (General Federation of Labor in Israel) and the Coordination Bureau of Economic Organizations (including the Industrialists' Associations) are applicable to our employees by extension orders issued by the Israeli Ministry of Industry, Trade and Labor. These provisions primarily concern the length of the workday, minimum daily wages for professional workers, pension fund benefits for all employees, insurance for work-related accidents, procedures for dismissing employees, determination of severance pay and other conditions of employment. We generally provide our employees with benefits and working conditions beyond the required minimums.

E. Share Ownership.

Beneficial Ownership of Senior Management and Directors

The following table sets forth information regarding the beneficial ownership of our outstanding Ordinary Shares as of April 30, 2017, of each of our directors and executive officers individually and as a group based on information provided to us by our directors and executive officers. The information in this table is based on 14,730,959 Ordinary Shares outstanding as of such date. The number of Ordinary Shares beneficially owned by a person includes Ordinary Shares subject to options or warrants held by that person that were currently exercisable at, or exercisable within 60 days of April 30, 2017. The Ordinary Shares issuable under these options and warrants are treated as if they were outstanding for purposes of computing the percentage ownership of the person holding these options and warrants but not the percentage ownership of any other person. None of the holders of the Ordinary Shares listed in this table have voting rights different from other holders of the Ordinary Shares.

	No. of Shares Beneficially Owned	Percentage Owned
Executive officers and directors:		
Dr. Fernando de la Vega	1,566,565 ⁽¹⁾	10.47%
Steven Hsieh	1,320,002 ⁽²⁾	8.89%
Dr. Astorre Modena	5,844,662 ⁽³⁾	39.06%
Dr. Harold Wiener	5,844,662 ⁽³⁾	39.06%
Menachem Biran	24,998 ⁽⁴⁾	*
Adva Bar-On	--	0%
Zvika Lifschitz	59,922 ⁽⁵⁾	*
All senior management and directors as a group (7 persons):	8,816,149	59%

* Represents beneficial ownership amount of less than 1%

- (1) Includes options to purchase 230,425 Ordinary Shares exercisable within 60 days and 222,690 Ordinary Shares held in trust by Eli Klein for Dr. Fernando de la Vega.
- (2) Includes 120,000 Ordinary Shares issuable upon the exercise of outstanding options exercisable within 60 days. Steven Hsieh is a Managing Director of Infinity Group, the parent company of Infinity IP Bank International (Suzhou) Co., Ltd. Steven Hsieh has sole voting and dispositive power over all shares owned by Infinity IP Bank International (Suzhou) Co., Ltd.
- (3) Includes 232,770 Ordinary Shares issuable upon the exercise of Warrants and exercisable within 60 days. The shares listed as beneficially owned by Terra Venture Partners or Terra are held of record by Terra Venture Partners S.C.A. Sicar and Terra Venture Partners, L.P. Each of Dr. Astorre Modena and Dr. Harold Wiener is a General Partner of Terra Ventures Partners, the manager of Terra Venture Partners S.C.A. Sicar and Terra Venture Partners, L.P. Each of Dr. Astorre Modena and Dr. Harold Wiener has shared voting and dispositive power over all shares owned by Terra.
- (4) Includes 24,998 Ordinary Shares issuable upon the exercise of outstanding options exercisable within 60 days.
- (5) 59,922 Ordinary Shares held in trust for Zvika Lifschitz by Primes, Shiloh, Givon, Meir Law Firm as trustee.

See “—Incentive Compensation Plan,” below for information regarding options held by our senior management and directors.

Incentive Compensation Plan

The purpose of the Plan is to serve as an incentive to attract new employees, directors, consultants and service providers, and to retain persons of training, experience and ability by providing them with opportunities to purchase securities, including shares of the Company, pursuant to the Plan, as approved by the board of directors of the Company. As of December 31, 2016, a total of 1,223,437 Ordinary Shares were reserved for issuance under the Plan, of which options to purchase 836,514 Ordinary Shares were issued, outstanding and exercised thereunder. The number of Ordinary Shares reserved for issuance under the Plan may be changed from time to time in the sole discretion of the board of directors.

The Plan is administered by our board of directors, provided that the board of directors may delegate responsibility for the administration of the Plan to a committee designated by the board of directors. The board of directors has authority to: designate grantees of awards under the Plan and the terms of any award granted, including the type of securities to be granted, the vesting terms of any securities granted, and any restrictions on transfer of any securities granted under the Plan.

Pursuant to the Plan, the Company may (1) grant awards of securities under the Plan under the capital gains track pursuant to Section 102 of the Israeli Income Tax Ordinance, or the Ordinance, to our directors, officers and employees who are not holders of 10% or more of our total share capital and are not otherwise controlling shareholders, and (2) grant awards pursuant to Section 3(i) of the Ordinance to non-employee Israeli service providers, consultants and shareholders who hold 10% or more of our total share capital or are otherwise controlling shareholders.

Section 102 of the Ordinance allows employees, directors and officers, who are not controlling shareholders and are considered Israeli residents, to receive favorable tax treatment for compensation in the form of shares or options. Our non-employee Israeli service providers, consultants and controlling shareholders, which includes any shareholder holding 10% or more of the Company’s Ordinary Shares on a fully diluted basis, may only be granted options under Section 3(i) of the Ordinance, which does not provide for similar tax benefits. Section 102 of the Ordinance includes two alternatives for tax treatment involving the issuance of options or shares to a trustee for the benefit of the grantees and also includes an additional alternative for the issuance of options or shares directly to the grantee. Section 102(b)(2) of the Ordinance, the most favorable tax treatment for grantees, permits the issuance to a trustee under the “capital gains” track. However, under this track we are not allowed to deduct any expense with respect to the issuance of the options or shares. In order to comply with the terms of the capital gains track, all options granted under the Plan pursuant and subject to the provisions of Section 102 of the Ordinance, as well as the Ordinary Shares issued upon exercise of these options and other shares received subsequently following any realization of rights with respect to such options, such as share dividends and share splits, must be granted to a trustee for the benefit of the relevant employee, director or officer and should be held by the trustee for at least two years after the date of the grant. If such options or shares are sold by the trustee or are transferred to the grantee before the end of the two year period, then the grantee would be taxed at top marginal rates upon selling the shares.

Options granted under the Plan will vest in accordance with the vesting dates determined by the board of directors with respect to each grant. Options that are not exercised within seven years from the grant date will expire, unless a shorter or longer term is provided for by the board of directors. Generally, if we terminate a grantee's employment or services to the Company, all options granted to such grantee that are then vested will be exercisable for a period of six months after the termination date (unless a shorter period is determined by the Board) or, if earlier, the expiration date of such options. If we terminate a grantee's employment or service for cause, all of the grantee's vested and unvested unexercised options will expire and terminate on the date of termination. In case of termination for reasons of disability or death, the grantee or his legal successor may exercise options that have vested prior to termination within a period of twelve months from the date of disability or death.

In the event of a merger or consolidation of our company subsequent to which we would no longer exist as a legal entity, or a sale of all, or substantially all, of our Ordinary Shares or assets or other transaction having a similar effect on us, the Company shall seek to cause the acquirer in such transaction to substitute all outstanding and unexercised options under the Plan for an appropriate number of the same type of shares or other securities of the successor company as were distributed to the Company or the shareholders in connection with such transaction. If the acquirer refuses to substitute the options, unvested options held by any grantee shall vest in accordance with the following formula: $X+Y*X/Z$, where X = the number of vested options held by the grantee, Y = the number of unvested options held by the grantee, and Z = the number of options held by the grantee.

As of December 31, 2016, we have granted to our senior management and directors options to purchase up to 305,425 Ordinary Shares under the Plan, as follows. Unless otherwise set forth in a footnote to the table below, all options held by our senior management and directors are fully vested.

Name	Number of	Option		Option	Option
	Options	Exercise Price	Grant Date	Expiration Date	
	Held				
Dr. Fernando de la Vega	230,425	NIS 0.01	May 23, 2013	May 23, 2020	
Menachem Biran	50,000	\$ 0.917	October 6, 2015	October 6, 2022	
Menachem Biran	25,000	\$ 0.917	July 7, 2016	July 7, 2023	

ITEM 7. Major Shareholders and Related Party Transactions.

A. Major Shareholders.

The following table sets forth certain information regarding the beneficial ownership of our outstanding Ordinary Shares as of April 30, 2017, by each person or entity known to beneficially own 5% or more of our outstanding Ordinary Shares. The information with respect to beneficial ownership of the Ordinary Shares is given based on information reported in such shareholder's Schedule 13G, and if no Schedule 13G was filed, based on the information provided to us by the shareholders.

The information in this table is based on 14,730,959 Ordinary Shares outstanding as of such date. In determining the number of Ordinary Shares beneficially owned by a person, we include any shares as to which the person has sole or shared voting power or investment power, as well as any Ordinary Shares subject to options or warrants held by that person that were currently exercisable at, or exercisable within 60 days of April 30, 2017. The Ordinary Shares issuable under these options and warrants are treated as if they were outstanding for purposes of computing the percentage ownership of the person holding these options and warrants but not the percentage ownership of any other person. None of the holders of the Ordinary Shares listed in this table have voting rights different from other holders of Ordinary Shares.

[Table of Contents](#)

To the best of our knowledge, we are not owned or controlled, directly or indirectly, by another corporation or by any foreign government. We are not aware of any arrangement that may, at a subsequent date, result in a change of control of our Company.

We believe that the shareholders named in this table have sole voting and investment power with respect to all shares shown to be beneficially owned by them, based on information provided to us by such shareholders.

	No. of Shares Beneficially Owned	Percentage Owned
Holders of more than 5% of our voting securities:		
Dr. Fernando de la Vega	1,566,565 ⁽¹⁾	10.47%
Infinity IP Bank International (Suzhou) Co., Ltd.	1,320,002 ⁽²⁾	8.89%
Eli Klein	890,760	6.05%
Hermetic Trust (1975) Ltd. (in trust for Israel Electric Corporation, Ltd.)	1,278,166 ⁽³⁾	8.68%
Slobel NV	1,980,003 ⁽⁴⁾	13.07%
Terra Venture Partners	5,844,662 ⁽⁵⁾	39.06%

- (1) Includes options to purchase 230,425 Ordinary Shares exercisable within 60 days and 222,690 Ordinary Shares held in trust by Eli Klein for Dr. Fernando de la Vega.
- (2) Includes 120,000 Ordinary Shares issuable upon the exercise of outstanding options exercisable within 60 days. Steven Hsieh is a Managing Director of Infinity Group, the parent company of Infinity IP Bank International (Suzhou) Co., Ltd. Steven Hsieh has sole voting and dispositive power over all shares owned by Infinity IP Bank International (Suzhou) Co., Ltd.
- (3) Hermetic Trust (1975) Ltd. has sole voting and dispositive power over all shares held by Hermetic Trust (1975) Ltd. in trust for Israel Electric Corporation Ltd.
- (4) Includes 417,730 Ordinary Shares issuable upon the exercise of Warrants exercisable within 60 days.
- (5) Includes 232,770 Ordinary Shares issuable upon the exercise of Warrants and exercisable within 60 days. The shares listed as beneficially owned by Terra Venture Partners or Terra are held of record by Terra Venture Partners S.C.A. Sicar and Terra Venture Partners, L.P. Each of Dr. Astorre Modena and Dr. Harold Wiener is a General Partner of Terra Ventures Partners, the manager of Terra Venture Partners S.C.A. Sicar and Terra Venture Partners, L.P. Each of Dr. Astorre Modena and Dr. Harold Wiener has shared voting and dispositive power over all shares owned by Terra.

B. Related Party Transactions.

The following is a description of the material terms of all transactions between us and certain related parties. Except as described below, since January 1, 2012, we have not entered into any transactions with (a) any enterprises that directly or indirectly through one or more intermediaries, control or are controlled by, or are under common control with, us; (b) our associates; (c) individuals owning, directly or indirectly, an interest in the voting power of the Company that gives them significant influence over the company, and close members of any such individual's family; (d) our executive officers and directors; and (e) enterprises in which a substantial interest in the voting power is owned, directly or indirectly, by any person described in (c) or (d) or over which such a person is able to exercise significant influence.

IEC Convertible Loan Agreement. On October 2010, we entered into a Convertible Loan Agreement with IEC, which is currently a significant shareholder, which agreement was amended on April 2012. Pursuant to this agreement, IEC loaned us an aggregate amount of NIS 3,000,000 (\$780,234 at December 31, 2016) at an interest rate of 8% per annum. In April 2013, we entered into a Share Purchase Agreement with IEC pursuant to which the aggregate principal amount of such loan and all accrued but unpaid interest thereon were converted into 172,190 Series B-1 Preferred Shares. On November 26, 2014, as part of the Private Placement these shares were converted into our Ordinary Shares and following the shares split IEC holds 1,278,166. Pursuant to the terms of the Convertible Loan Agreement, IEC is also entitled to royalty payments equal to 2% of net sales of the Company's products, up to an aggregate of NIS 8,000,000 (\$2,080,624 at December 31, 2016). In addition, for a period of 10 years from the date of the first commercial sale of our products, IEC will be entitled to purchase our products, licenses and services, at prices which are at the lowest rate then offered or provided by the Company to any of its other customers for the same products, licenses or services (excluding demonstration units, pilot units, samples, and other customary promotional discounts which are sporadic in nature and do not represent on-going commercial basis prices with respect to the client), given similar quantities and commercial conditions.

Series 1 Convertible Note Agreements with Terra and Slobel. Between February 2011 and January 2013, we entered into several Series 1 Convertible Note Agreements with Terra and Slobel NV, or Slobel pursuant to which Terra and Slobel loaned us an aggregate of \$800,000 and \$500,000, respectively, which amounts were evidenced by Series 1 Convertible Promissory Notes, or the Series 1 Convertible Notes. On February 13, 2012, April 11, 2012, July 19, 2012, September 1, 2012, September 1, 2012, November 13, 2012 and February 13, 2013, \$1,050,000 aggregate principal amount of Series 1 Convertible Notes was converted into an aggregate of 315,826 Series A-2 Preferred Shares. Each of Terra and Slobel is a major shareholder and Terra has a representative on our Board of Directors. Such preferred shares were subsequently converted into an aggregate of 2,344,376 Ordinary Shares in connection with, and immediately prior to the initial closing of, the offering of the Units. On April 10, 2013, \$250,000 aggregate principal amount of Series 1 Convertible Notes, was converted into an aggregate of 48,989 Series B-2 Preferred Shares. Such preferred shares were subsequently converted into an aggregate of 363,645 Ordinary Shares. Pursuant to the Series 1 Convertible Note Agreements, we also issued to Terra and Slobel Warrants to purchase up to an aggregate of 8,818 and 5,511 Series B-2 Preferred Shares, respectively, at an exercise price of \$6.804 per share, which were adjusted following the issuance of bonus shares to Warrants to purchase up to an aggregate of 65,456 and 40,908 Ordinary Shares, respectively, at an exercise price of \$0.917 per share. Such Warrants have five year terms from their respective dates of issuance and shall terminate upon the earlier of: (a) the consummation by the Company of an initial public offering of its securities pursuant to an effective registration statement under the Securities Act, or an IPO, or (b) a liquidation, dissolution, bankruptcy or winding up of the Company; a merger, consolidation or similar transaction following which the shareholders of the Company prior to such transaction cease to own 50% or more of the outstanding voting securities of the Company following the transaction; and a sale or license of all or substantially all of the Company's assets, or an M&A Transaction. The exercise price of the Warrants and the number of shares issuable thereunder is subject to adjustment upon the occurrence of certain events, including stock dividends, stock splits, combinations and reclassifications of our capital stock.

2013 Share Purchase Agreement. On April 11, 2013, we entered into a share purchase agreement with IPB pursuant to which we issued to IPB an aggregate of 161,660 Series B-2 Preferred Shares at a price per share of \$6.804, for an aggregate purchase price of approximately \$1,100,000. Such preferred shares were subsequently converted into an aggregate of 1,200,002 Ordinary Shares (post bonus shares issuance) in connection with, and immediately prior to the initial closing of, the offering of the Units.

Series 2 Convertible Note Agreements. Between January 2014 and July 2014, we entered into several Series 2 Convertible Note Agreements with Terra, Slobel and other lenders pursuant to which Terra, Slobel and the other lenders loaned us an aggregate of \$836,294, which amount is evidenced by Series 2 Convertible Promissory Notes, or the Series 2 Convertible Notes. The Series 2 Convertible Notes accrue interest at a rate of 6% per year and mature prior to conversion only upon an event of default thereunder (defined broadly to include several bankruptcy and insolvency events relating to the Company, including application for or consent to the appointment of a receiver trustee, custodian or liquidator, or an admission of our inability to pay our material debts as they become due). Upon the Initial Closing of our most recent private placement, the aggregate principal amount of such Series 2 Convertible Notes issued to Terra, Slobel and other lenders, were converted into 743,372 Units. Pursuant to the Series 2 Convertible Note Agreements, we also issued to Terra, Slobel and other lenders Warrants to purchase up to an aggregate of 41,179 Ordinary Shares, at an exercise price of \$1.5 per share. Such Warrants have five year terms from their respective dates of issuance and shall terminate upon the earlier of: (a) the consummation by the Company of an initial public offering of its securities pursuant to an effective registration statement under the Securities Act, or an IPO, or (b) a liquidation, dissolution, bankruptcy or winding up of the Company; a merger, consolidation or similar transaction following which the shareholders of the Company prior to such transaction cease to own 50% or more of the outstanding voting securities of the Company following the transaction; and a sale or license of all or substantially all of the Company's assets, or an M&A Transaction. The exercise price of the Warrants and the number of shares issuable thereunder is subject to adjustment upon the occurrence of certain events, including stock dividends, stock splits, combinations and reclassifications of our capital stock.

In addition, between February 2016 and June 2016, we entered into additional Series 2 Convertible Note Agreements with Terra and an additional shareholder of the Company, pursuant to which Terra and the other lender loaned us an aggregate of \$206,000, which amount is evidenced by Series 2 Convertible Promissory Notes.

Investors' Rights Agreement. On April 11, 2013, the Company, the Founder, certain holders of our Series A-1 Preferred Shares and Series A-2 Preferred Shares, or the Series A Holders, and certain holders of our Series B-1 Preferred Shares and Series B-2 Preferred Shares, or the Series B Holders and together with the Founders and the Series A Holders, the Holders, entered into an Amended and Restated Investors' Rights Agreement pursuant to which we granted the Holders the registration rights described below under "Description of Share Capital—Other Shareholder Rights" as well as certain information and inspection rights.

Termination Agreement. On July 17, 2014, as amended on November 26, 2014, the Company and its shareholders signed a termination agreement effective as of (and conditioned upon) the Initial Closing of our most recent private placement, which confirms the termination effective as of the Initial Closing of the Investors' Rights Agreement, and other preferred rights that our shareholders may have as parties to the Preferred A Share Purchase Agreement dated November 10, 2010 and the 2013 Share Purchase Agreement, and the Investors Rights Agreement, including information rights they may have under any other agreements.

IPB Side Agreement. On July 17, 2014, we entered into an agreement with IPB in connection with the termination agreement described above. Pursuant to this side agreement, we agreed to issue to IPB, upon the Initial Closing, a Warrant to purchase up to 120,000 Ordinary Shares at an exercise price of \$0.917 per share. Such Warrant will be exercisable until the first to occur of an M&A Event (as defined in the Articles of Association) or the completion by us of a public offering pursuant to a registration statement under the Securities Act or any equivalent law of another jurisdiction, in any locality, with a fully diluted pre-offering valuation of the Company of no less than \$70,000,000 and with net proceeds to the Company of no less than \$10,000,000, or a Qualified IPO. In addition, pursuant to this side agreement, we have issued to IPB a note in the aggregate principal amount of \$100,000 (the "Capital Note"), which note will become due and payable upon the earlier to occur of: (i) an M&A Transaction, (ii) a Qualified IPO or (iii) an equity financing by the Company resulting in aggregate gross proceeds of at least \$6,000,000 (excluding our most recent private placement, and the conversion of the Series 2 Notes).

Terra Loan. On September 29 2014, we entered into an additional Series 2 Convertible Note Agreement with Terra pursuant to which affiliates of Terra Venture Partners loaned us \$100,000 in exchange for a Revised Series 2 Notes. On November 26, 2014, such Terra revised Series 2 Notes were converted into 66,667 Units upon the consummation of the Initial Closing of our most recent private placement.

Private Placement Investment. In 2015, in addition to their participation in the Series 2 Convertible Note Agreements and Terra's participation in the revised Series 2 Notes, each of Terra and Slobel participated in the subsequent closings of our private placement. Slobel purchased additional 50,000 Units in such offering in consideration for \$75,000, and Terra purchased an aggregate amount of additional 50,000 Units in such offering in consideration for \$75,000.

Share Purchase Agreement. In July 2016, as part of an internal investment round, eleven shareholders of the Company purchased an aggregate of 860,000 Ordinary Shares at a price per share of \$0.75. The closing of the internal investment round also included the conversion of an aggregate of \$206,000 of convertible promissory notes into 274,667 Ordinary Shares.

Employment and Services Agreements. Employment and services agreements entered into with our senior managers, as described above under "Management—Compensation—Employment or Service Agreements with Senior Managers."

Indemnification Agreements with Directors and Senior Managers. Customary indemnification agreements with our directors and senior managers, as described above under “Management—Exculpation, Insurance and Indemnification of Office Holders.”

Option Agreement with Directors and Senior Managers. Option Agreements entered into with our directors and senior managers, as described above under “Management—Share Ownership—Incentive Compensation Plan”.

We believe that we have executed all of our transactions with related parties on terms no less favorable to us than those we could have obtained from unaffiliated third parties. We are required by Israeli law to ensure that all future transactions between us and our officers, directors and principal shareholders and their affiliates are approved by a majority of our board of directors, including a majority of the independent and disinterested members of our board of directors, and that they are on terms no less favorable to us than those that we could obtain from unaffiliated third parties.

C. Interests of Experts and Counsel.

Not applicable.

ITEM 8. Financial Information.

A. Consolidated Financial Statements and Other Financial Information.

See “Item 18. Financial Statements” for a list of all financial statements filed as part of this Annual Report on Form 20-F.

Legal Matters

We are neither party to any legal or arbitration proceedings, including those relating to bankruptcy, receivership or similar proceedings and those involving any third-party, nor any governmental proceedings pending or known to be contemplated, which may have, or have had in the recent past, significant effects on the Company’s financial position or profitability.

Dividend Policy

We have never declared or paid any cash dividends on our ordinary shares and do not anticipate paying any cash dividends in the foreseeable future. Payment of cash dividends, if any, in the future will be at the discretion of our Board and will depend on then-existing conditions, including our financial condition, operating results, contractual restrictions, capital requirements, business prospects and other factors our Board may deem relevant.

Payment of dividends may also be subject to Israeli withholding taxes. See “Item 10. Additional Information—E. Taxation—Certain Israeli Tax Considerations” for additional information.

B. Significant Changes.

No significant changes with respect to our consolidated financial statements have occurred since December 31, 2016.

ITEM 9. The Offer and Listing.

9.A.4 Offer and Listing Details

There is currently no public trading market for our Ordinary Shares.

9.B. Plan of distribution

Not applicable.

9.C. Market for Ordinary Shares

Not applicable.

9.D. Selling shareholders

Not applicable.

9.E. Dilution

Not applicable.

9.F. Expenses of the issue

Not applicable.

ITEM 10. Additional Information.

A. Share Capital.

Not applicable.

B. Memorandum and Articles of Association.

Our original articles of association were registered with the Israeli Registrar of Companies at the time of incorporation of the Company on June 24, 2009, under our registration number 514287093.

C. Material Contracts

The following are summary descriptions of certain material agreements to which we are a party. The descriptions provided below do not purport to be complete and are qualified in their entirety by the complete agreements, which are attached as exhibits to this annual report on Form 20-F.

For a description of our material agreements relating to our strategic collaborations and research arrangements and other material agreements, please refer to “Item 4. Information on the Company—Research and Development Agreements, License Agreements and Material Contracts.”

Employment Agreements

See “Item 6. Directors, Senior Management and Employees—B. Compensation—Employment Agreements and Arrangements with Directors and Related Parties.”

D. Exchange Controls.

There are no Israeli government laws, decrees or regulations that restrict or that affect our export or import of capital or the remittance of dividends, interest or other payments to non-resident holders of our securities, including the availability of cash for use by us and our wholly-owned subsidiaries, except for ownership by nationals of certain countries that are, or have been, declared as enemies of Israel or otherwise as set forth under “Item 10. Additional Information—E. Taxation.”

E. Taxation.

The following description is not intended to constitute a complete analysis of all tax consequences relating to the ownership or disposition of our ordinary shares. You should consult your own tax advisor concerning the tax consequences of your particular situation, as well as any tax consequences that may arise under the laws of any state, local, foreign, including Israel, or other taxing jurisdiction.

Certain Israeli Tax Considerations

The following is a brief summary of the material Israeli income tax laws applicable to us. This section also contains a discussion of material Israeli tax consequences concerning the ownership and disposition of our ordinary shares. This summary does not discuss all the aspects of Israeli tax law that may be relevant to a particular investor in light of his or her personal investment circumstances or to some types of investors subject to special treatment under Israeli law. Examples of this kind of investor include residents of Israel or investors in securities who are subject to special tax regimes not covered in this discussion. To the extent that the discussion is based on new tax legislation that has not yet been subject to judicial or administrative interpretation, we cannot assure you that the appropriate tax authorities or the courts will accept the views expressed in this discussion. This summary is based on laws and regulations in effect as of the date hereof and does not take into account possible future amendments which may be under consideration.

General Corporate Tax Structure in Israel

Israeli resident companies (as defined below), such as the Company, were subject to corporate tax at the rate of 25% of their taxable income during 2016, a reduction from the corporate tax rate of 26.5% in 2015 and 2014.

Capital gains derived by an Israeli resident company are generally subject to tax at the same rate as the corporate tax rate. Under Israeli tax legislation, a corporation will be considered an “Israeli resident” if it meets one of the following: (i) it was incorporated in Israel; or (ii) the control and management of its business are exercised in Israel.

Law for the Encouragement of Industry (Taxes), 5729-1969

The Law for the Encouragement of Industry (Taxes), 5729-1969, which we refer to as the Industry Encouragement Law, provides several tax benefits for “Industrial Companies,” which are defined as Israeli resident-companies of which 90% or more of their income in any tax year is derived from an “Industrial Enterprise” that it owns, or an enterprise whose principal activity in a given tax year is industrial production. Eligibility for benefits under the Industry Encouragement Law is not contingent upon approval of any governmental authority.

The following corporate tax benefits, among others, are available to Industrial Companies:

- amortization over an eight year period of the cost of purchasing a patent, rights to use a patent and rights to know-how, which are used for the development or advancement of the company, commencing in the year in which such rights were first exercised;
- under limited conditions, an election to file consolidated tax returns with related Industrial Companies; and
- deductions of expenses related to a public offering in equal amounts over a three year period.

There can be no assurance that we will qualify as an industrial company or that the benefits described above will be available in the future.

Law for the Encouragement of Capital Investments, 5719-1959

The Law for the Encouragement of Capital Investments, 5719-1959, which we refer to as the Investment Law, provides certain incentives for capital investments in production facilities (or other eligible assets). The Investment Law was significantly amended effective April 1, 2005 and further amended as of January 1, 2011, or the 2011 Amendment. The 2011 Amendment introduced new benefits to replace those granted in accordance with the provisions of the Investment Law in effect prior to the 2011 Amendment.

Tax Benefits under the 2011 Amendment

The 2011 Amendment canceled the availability of the benefits granted to Industrial Companies under the Investment Law prior to 2011 and, instead, introduced new benefits for income generated by a “Preferred Company” through its “Preferred Enterprise” (as such terms are defined in the Investment Law) as of January 1, 2011.

The definition of a Preferred Company includes a company incorporated in Israel that is not fully owned by a governmental entity, and that has, among other things, a Preferred Enterprise and is controlled and managed from Israel. Under a recent amendment announced in August 2013, or the 2013 Amendment, beginning in 2014 and in each year thereafter, a Preferred Company may only be entitled to reduced corporate tax rates of 16%, unless the Preferred Enterprise is located in a specified development zone, in which case the rate will be 9%. Income derived by a Preferred Company from a “Special Preferred Enterprise” (as such term is defined in the Investment Law) would be entitled, during a benefit period of ten years, to further reduced tax rates of 8%, or 5% if the Special Preferred Enterprise is located in a certain development zone.

As of January 1, 2014, dividends paid out of income attributed to a Preferred Enterprise are subject to withholding tax at source at the rate of 20% unless a different tax rate is provided under an applicable tax treaty. However, if such dividends are paid to an Israeli company, no tax is required to be withheld.

A Beneficiary Company may elect to file a notice until May 31st of each year in order to avail itself of the benefits of the 2011 Amendments pursuant to Sections 131 and 132 of the Income Tax Ordinance (New Version) - 1961, referred to herein as the Israeli Tax Ordinance, and such benefits will apply on the tax year subsequent to the year in which such notice was filed.

Currently, we are not entitled to receive the tax benefits described above and there can be no assurance that we will be entitled to receive such benefits at any time in the future. Furthermore, there can be no assurance that even if in the future we meet the relevant requirements for such tax benefits, that such tax benefits will be available to us at all.

Taxation of Our Israeli Individual Shareholders on Receipt of Dividends

Israeli residents who are individuals are generally subject to Israeli income tax for dividends paid on our ordinary shares (other than bonus shares or share dividends) at a rate of 25%, or 30% if the recipient of such dividend is a Substantial Shareholder (as defined below) at the time of distribution or at any time during the preceding 12 month period. Beginning in 2013, an additional tax at a rate of 2% may be imposed upon shareholders whose annual taxable income from all sources exceeds a certain amount.

A “Substantial Shareholder” is generally a person who alone, or together with his or her relative or another person who collaborates with him or her on a regular basis, holds, directly or indirectly, at least 10% of any of the “means of control” of a corporation. “Means of control” generally include the right to vote, receive profits, nominate a director or an officer, receive assets upon liquidation or instruct someone who holds any of the aforesaid rights regarding the manner in which he or she is to exercise such right(s), all regardless of the source of such right.

With respect to individuals, the term “Israeli resident” is generally defined under Israeli tax legislation as a person whose center of life is in Israel. The Israeli Tax Ordinance (as amended by Amendment Law No. 132 of 2002), states that in order to determine the center of life of an individual, consideration will be given to the individual’s family, economic and social connections, including: (i) place of permanent residence; (ii) place of residential dwelling of the individual and the individual’s immediate family; (iii) place of the individual’s regular or permanent occupation or the place of his or her permanent employment; (iv) place of the individual’s active and substantial economic interests; (v) place of the individual’s activities in organizations, associations and other institutions. The center of life of an individual will be presumed to be in Israel if: (i) the individual was present in Israel for 183 days or more in the tax year; or (ii) the individual was present in Israel for 30 days or more in the tax year, and the total period of the individual’s presence in Israel in that tax year and the two previous tax years is 425 days or more. Such presumption may be rebutted either by the individual or by the assessing officer.

Taxation of Israeli Resident Corporations on Payment of Dividends

Israeli resident corporations are generally exempt from Israeli corporate income tax with respect to dividends paid on ordinary shares held by such Israeli resident corporations as long as the profits out of which the dividends were paid were derived in Israel.

Tax Benefits under the Amendment to the Economic Efficiency Law

On December 22, 2016 the plenary Knesset passed the Economic Efficiency Law (Legislative Amendments for Achieving the Budget Targets for 2017 and 2018), 2016, or the 2017 Amendment, which provides, among other things, new tax benefits for two types of “Technology Enterprises”, as described below, and is in addition to the other existing tax beneficial programs under the Investment Law.

The 2017 Amendment provides that a technology company satisfying certain conditions will qualify as a “Preferred Technology Enterprise” and will thereby enjoy a reduced corporate tax rate of 12% on income that qualifies as “Preferred Technology Income”, as defined in the Investment Law. The tax rate is further reduced to 7.5% for a Preferred Technology Enterprise located in development zone A. In addition, a Preferred Technology Company will enjoy a reduced corporate tax rate of 12% on capital gain derived from the sale of certain “Benefited Intangible Assets” (as defined in the Investment Law) to a related foreign company if the Benefited Intangible Assets were acquired from a foreign company on or after January 1, 2017 for at least NIS 200 million, and the sale receives prior approval from the National Authority for Technological Innovation (referred to as NATI).

The 2017 Amendment further provides that a technology company satisfying certain conditions will qualify as a “Special Preferred Technology Enterprise” and will thereby enjoy a reduced corporate tax rate of 6% on “Preferred Technology Income” regardless of the company’s geographic location within Israel. In addition, a Special Preferred Technology Enterprise will enjoy a reduced corporate tax rate of 6% on capital gain derived from the sale of certain “Benefited Intangible Assets” to a related foreign company if the Benefited Intangible Assets were either developed by an Israeli company or acquired from a foreign company on or after January 1, 2017, and the sale received prior approval from NATI. A Special Preferred Technology Enterprise that acquires Benefited Intangible Assets from a foreign company for more than NIS 500 million will be eligible for these benefits for at least ten years, subject to certain approvals as specified in the Investment Law.

Dividends distributed by a Preferred Technology Enterprise or a Special Preferred Technology Enterprise, paid out of Preferred Technology Income, are subject to withholding tax at source at the rate of 20%, and if distributed to a foreign company and other conditions are met, the withholding tax rate will be 4%.

Currently, we are not entitled to receive the tax benefits described above and there can be no assurance that we will be entitled to receive such benefits at any time in the future. Furthermore, there can be no assurance that even if in the future we meet the relevant requirements for such tax benefits, that such tax benefits will be available to us at all.

Capital Gains Taxes Applicable to Israeli Resident Shareholders

The income tax rate applicable to real capital gains derived by an Israeli individual resident from the sale of shares that were purchased after January 1, 2012, whether listed on a stock exchange or not, is 25%. However, if such shareholder is considered a Substantial Shareholder at the time of sale or at any time during the preceding 12 month period, such gain will be taxed at the rate of 30%. In addition, as noted above, beginning in 2013, an additional tax at a rate of 2% may be imposed upon shareholders whose annual taxable income from all sources exceeds a certain amount.

Moreover, capital gains derived by a shareholder who is a dealer or trader in securities, or to whom such income is otherwise taxable as ordinary business income, are taxed in Israel at ordinary income rates (currently 25% for corporations and up to 50% for individuals, according to the individual’s marginal tax rate).

Taxation of Non-Israeli Shareholders on Receipt of Dividends

Non-Israeli residents are generally subject to Israeli income tax on the receipt of dividends paid on our ordinary shares at the rate of 25% (or 30% for individuals, if such person is a Substantial Shareholder at the time he or she receives the dividend or on any date in the 12 months preceding such date), which tax will be withheld at source, unless a different rate is provided under an applicable tax treaty between Israel and the shareholder's country of residence.

A non-Israeli resident who has dividend income derived from or accrued in Israel, from which the full amount of tax was withheld at source, is generally exempt from the duty to file tax returns in Israel in respect of such income; provided that (i) such income was not derived from a business conducted in Israel by the taxpayer and (ii) the taxpayer has no other taxable sources of income in Israel.

For example, under the Convention Between the Government of the United States of America and the Government of Israel with Respect to Taxes on Income, as amended, or the U.S.-Israel Tax Treaty, Israeli withholding tax on dividends paid to a U.S. resident for treaty purposes may not, in general, exceed 25%, or 15% in the case of dividends paid out of the profits of an Approved Enterprise (as such term is defined in the Investment Law), subject to certain conditions. Where the recipient is a U.S. corporation owning 10% or more of the voting shares of the paying corporation during the part of the paying corporation's taxable year which precedes the date of payment of the dividend and during the entirety of its prior taxable year (if any) and the dividend is not paid from the profits of an Approved Enterprise, the Israeli tax withheld may not exceed 12.5%, subject to certain conditions.

Capital Gains Income Taxes Applicable to Non-Israeli Shareholders

Non-Israeli resident shareholders are generally exempt from Israeli capital gains tax on any gains derived from the sale, exchange or disposition of our ordinary shares, provided that such shareholders did not acquire their shares prior to January 1, 2009 and such gains were not derived from a permanent business or business activity of such shareholders in Israel. However, non-Israeli corporations will not be entitled to the foregoing exemptions if an Israeli resident (i) has a controlling interest of more than 25% in such non-Israeli corporation or (ii) is the beneficiary of or is entitled to 25% or more of the revenues or profits of such non-Israeli corporation, whether directly or indirectly.

In addition, a sale of securities by a non-Israeli resident may be exempt from Israeli capital gains tax under the provisions of an applicable tax treaty. For example, under the U.S.-Israel Tax Treaty, the sale, exchange or disposition of our ordinary shares by a shareholder who is a U.S. resident (for purposes of the U.S.-Israel Tax Treaty) holding the ordinary shares as a capital asset and is entitled to claim the benefits afforded to such a resident by the U.S.-Israel Tax Treaty, or a Treaty U.S. Resident, is generally exempt from Israeli capital gains tax unless: (i) such Treaty U.S. Resident is an individual and was present in Israel for 183 days or more during the relevant taxable year; (ii) such Treaty U.S. Resident holds, directly or indirectly, shares representing 10% or more of our voting power of the Company during any part of the 12 month period preceding such sale, exchange or disposition, subject to certain conditions; or (iii) the capital gains arising from such sale, exchange or disposition are attributable to a permanent establishment of the Treaty U.S. Resident located in Israel, subject to certain conditions. In any such case, the sale, exchange or disposition of our ordinary shares would be subject to Israeli tax, to the extent applicable. However, under the U.S.-Israel Tax Treaty, such Treaty U.S. Resident would be permitted to claim a credit for such taxes against U.S. federal income tax imposed on any gain from such sale, exchange or disposition, under the circumstances and subject to the limitations specified in the U.S.-Israel Income Tax Treaty.

Regardless of whether shareholders may be liable for Israeli income tax on the sale of our ordinary shares, the payment of the consideration may be subject to withholding of Israeli tax at the source. Accordingly, shareholders may be required to demonstrate that they are exempt from tax on their capital gains in order to avoid withholding at source at the time of sale.

Estate and Gift Tax

Israeli law presently does not impose estate or gift taxes.

Certain Material U.S. Federal Income Tax Considerations

The following is a general summary of what we believe to be certain material U.S. federal income tax consequences relating to the purchase, ownership and disposition of our ordinary shares by U.S. Holders (as defined below). This summary is based on the Internal Revenue Code, or the Code, the regulations of the U.S. Department of the Treasury issued pursuant to the Code, or the Treasury Regulations, the income tax treaty between the United States and Israel, or the U.S.-Israel Tax Treaty, and administrative and judicial interpretations thereof, all as in effect on the date hereof and all of which are subject to change, possibly with retroactive effect, or to different interpretation. No ruling has been sought from the IRS with respect to any U.S. federal income tax consequences described below, and there can be no assurance that the IRS or a court will not take a contrary position. This summary is no substitute for consultation by prospective investors with their own tax advisors and does not constitute tax advice. This summary addresses only those U.S. Holders of our ordinary shares who hold such equity interests as capital assets within the meaning of Section 1221 of the Code. Furthermore, this summary does not address all of the tax considerations that may be relevant to specific U.S. Holders in light of their particular circumstances or to U.S. Holders subject to special treatment under U.S. federal income tax law (including, without limitation, banks, insurance companies, tax-exempt entities, retirement plans, regulated investment companies, partnerships, dealers in securities, brokers, real estate investment trusts, certain former citizens or residents of the United States, persons who acquire our ordinary shares as part of a straddle, hedge, conversion transaction or other integrated investment, persons who acquire our ordinary shares through the exercise or cancellation of employee stock options or otherwise as compensation for their services, persons that have a “functional currency” other than the U.S. dollar, persons that own (or are deemed to own, indirectly, or by attribution) 10% or more of our shares, U.S. expatriates, or persons that mark their securities to market for U.S. federal income tax purposes). This summary does not address any U.S. state or local or non-U.S. tax considerations, any U.S. federal estate, gift or alternative minimum tax considerations, or any U.S. federal tax consequences other than U.S. federal income tax consequences.

As used in this summary, the term “U.S. Holder” means a beneficial owner of our ordinary shares that is, for U.S. federal income tax purposes, (i) an individual citizen or resident of the United States, (ii) a corporation, or other entity taxable as a corporation for U.S. federal income tax purposes, created or organized in or under the laws of the United States, any state thereof, or the District of Columbia, (iii) an estate the income of which is subject to U.S. federal income tax regardless of its source, or (iv) a trust with respect to which a court within the United States is able to exercise primary supervision over its administration and one or more U.S. persons have the authority to control all of its substantial decisions, or that has a valid election in effect under applicable Treasury Regulations to be treated as a “United States person.”

If an entity treated as a partnership for U.S. federal income tax purposes holds our ordinary shares, the tax treatment of such partnership and each partner thereof will generally depend upon the status and activities of the partnership and such partner. A holder that is treated as a partnership for U.S. federal income tax purposes should consult its own tax advisor regarding the U.S. federal income tax considerations applicable to it and its partners of the purchase, ownership and disposition of our ordinary shares.

Prospective investors should be aware that this summary does not address the tax consequences to investors who are not U.S. Holders. Prospective investors should consult their own tax advisors as to the particular tax considerations applicable to them relating to the purchase, ownership and disposition of our ordinary shares, including the applicability of U.S. federal, state and local tax laws and non-U.S. tax laws.

Taxation of U.S. Holders

Distributions. Subject to the discussion below under “Passive Foreign Investment Company,” a U.S. Holder that receives a distribution with respect to an ordinary share generally will be required to include the amount of such distribution in gross income as a dividend (without reduction for any Israeli tax withheld from such distribution) when actually or constructively received to the extent of the U.S. Holder’s pro rata share of our current and/or accumulated earnings and profits (as determined under U.S. federal income tax principles). Any distributions in excess of our earnings and profits will be applied against and will reduce (but not below zero) the U.S. Holder’s tax basis in its ordinary shares, and, to the extent they exceed that tax basis, will be treated as gain from the sale or exchange of our ordinary shares. We do not expect to maintain calculations of our earnings and profits under U.S. federal income tax principles. Therefore, a U.S. Holder should expect that the entire amount of any distribution generally may be reported as dividend income.

If we were to pay dividends, we expect to pay such dividends in NIS. A dividend paid in NIS, including the amount of any Israeli taxes withheld, will be includible in a U.S. Holder's income as a U.S. dollar amount calculated by reference to the exchange rate in effect on the date such dividend is received, regardless of whether the payment is in fact converted into U.S. dollars. If the dividend is converted to U.S. dollars on the date of receipt, a U.S. Holder generally will not recognize a foreign currency gain or loss. However, if the U.S. Holder converts the NIS into U.S. dollars on a later date, the U.S. Holder must include, in computing its income, any gain or loss resulting from any exchange rate fluctuations. The gain or loss will be equal to the difference between (i) the U.S. dollar value of the amount included in income when the dividend was received and (ii) the amount received on the conversion of the NIS into U.S. dollars. Such gain or loss will generally be ordinary income or loss and will be U.S. source income or loss for U.S. foreign tax credit purposes. U.S. Holders should consult their own tax advisors regarding the tax consequences to them if we pay dividends in NIS or any other non-U.S. currency.

Subject to certain significant conditions and limitations, any Israeli taxes paid on or withheld from distributions from us and not refundable to a U.S. Holder may be credited against the U.S. Holder's U.S. federal income tax liability or, alternatively, may be deducted from the U.S. Holder's taxable income. The election to deduct, rather than credit, foreign taxes, is made on a year-by-year basis and applies to all foreign taxes paid by a U.S. Holder or withheld from a U.S. Holder that year. Dividends paid on the ordinary shares generally will constitute income from sources outside the United States and be categorized as "passive category income" or, in the case of some U.S. Holders, as "general category income" for U.S. foreign tax credit purposes. If a U.S. Holder is eligible for benefits under the U.S.-Israel Tax Treaty or are otherwise entitled to a refund for the taxes withheld, that U.S. Holder will not be entitled to a foreign tax credit or deduction for the amount of any Israeli taxes withheld in excess of the maximum rate under the Treaty or for the taxes with respect to which that U.S. Holder can obtain a refund from the Israeli taxing authorities. A foreign tax credit for Israeli taxes imposed on distributions may be denied if the U.S. Holder does not satisfy certain minimum holding period requirements. Because the rules governing foreign tax credits are complex, U.S. Holders should consult their own tax advisors regarding the availability of foreign tax credits in their particular circumstances.

Dividends paid on the ordinary shares will not be eligible for the "dividends-received" deduction generally allowed to corporate U.S. Holders with respect to dividends received from U.S. corporations.

Under current U.S. federal income tax law, certain distributions treated as dividends that are received by an individual U.S. Holder from a "qualified foreign corporation" generally qualify for a 20% reduced maximum tax rate so long as certain holding period and other requirements are met. A non-U.S. corporation (other than a corporation that is treated as a PFIC for the taxable year in which the dividend is paid or the preceding taxable year) generally will be considered to be a qualified foreign corporation (i) if it is eligible for the benefits of a comprehensive tax treaty with the United States which the Secretary of Treasury of the United States determines is satisfactory for purposes of this provision and which includes an exchange of information program, or (ii) with respect to any dividend it pays on stock which is readily tradable on an established securities market in the United States. The 20% reduced maximum tax rate does not apply unless certain holding period requirements are satisfied. Furthermore, dividends paid by us in a taxable year in which we are not a PFIC and with respect to which we were not a PFIC in the preceding taxable year are expected to be eligible for the 20% reduced maximum tax rate, although we can offer no assurances in this regard. However, any dividend paid by us in a taxable year in which we are a PFIC or were a PFIC in the preceding taxable year will be subject to tax at regular ordinary income rates (along with any applicable additional PFIC tax liability, as discussed below). As discussed below under "Passive Foreign Investment Company," we have not determined whether we have been a PFIC for 2016 or any previous year, or whether we will be a PFIC in 2017 or in any future years.

The additional 3.8% "net investment income tax" (described below) may apply to dividends received by certain U.S. Holders who meet certain modified adjusted gross income thresholds.

Sale, Exchange or Other Disposition of Ordinary Shares. Subject to the discussion under "Passive Foreign Investment Company" below, a U.S. Holder generally will recognize capital gain or loss upon the sale, exchange, or other disposition of our ordinary shares in an amount equal to the difference between the amount realized on the sale, exchange, or other disposition and the U.S. Holder's adjusted tax basis (determined under U.S. federal income tax rules) in such ordinary shares. This capital gain or loss will be long-term capital gain or loss if the U.S. Holder's holding period in our ordinary shares exceeds one year, provided that certain conditions are met, including certain holding period requirements and the absence of certain risk reduction transaction. Preferential tax rates for long-term capital gain (currently, with a maximum rate of 20% for taxable years) will apply to individual U.S. Holders. The deductibility of capital losses is subject to limitations. The gain or loss will generally be income or loss from sources within the United States for U.S. foreign tax credit purposes, subject to certain possible exceptions under the U.S.-Israel Tax Treaty. The additional 3.8% "net investment income tax" (described below) may apply to gains recognized upon the sale, exchange, or other taxable disposition of our ordinary shares by certain U.S. Holders who meet certain modified adjusted gross income thresholds.

U.S. Holders should consult their own tax advisors regarding the U.S. federal income tax consequences of receiving currency other than U.S. dollars upon the disposition of their ordinary shares.

Passive Foreign Investment Company

In general, a non-U.S. corporation will be treated as a PFIC for U.S. federal income tax purposes in any taxable year in which either (i) at least 75% of its gross income is “passive income,” or (ii) on average at least 50% of its assets by value produce passive income or are held for the production of passive income. Passive income for this purpose generally includes, among other things, certain dividends, interest, royalties, rents and gains from commodities and securities transactions and from the sale or exchange of property that gives rise to passive income. Passive income also includes amounts derived by reason of the temporary investment of funds, including those raised in a public offering. Assets that produce or are held for the production of passive income include cash, even if held as working capital or raised in a public offering, marketable securities and other assets that may produce passive income. In determining whether a non-U.S. corporation is a PFIC, a proportionate share of the income and assets of each corporation in which it owns, directly or indirectly, at least a 25% interest (by value) is taken into account.

A foreign corporation’s PFIC status is an annual determination that is based on tests that are factual in nature, and our status for any year will depend on the corporation’s income, assets, and activities for such year. We have not determined whether we have been a PFIC for 2016 or any previous year, or whether we will be a PFIC in 2017 or in any future years.

U.S. Holders should be aware of certain tax consequences of investing directly or indirectly in us due to our classification as a PFIC. A U.S. Holder is subject to different rules depending on whether the U.S. Holder makes an election to treat us as a “qualified electing fund,” referred to herein as a “QEF election,” for the first taxable year that the U.S. Holder holds ordinary shares makes a “mark-to-market” election with respect to the ordinary shares, or makes neither election. An election to treat us as a QEF will not be available if we do not provide the information necessary to make such an election. It is not expected that a U.S. Holder will be able to make a QEF election because we do not intend to provide U.S. Holders with the information necessary to make a QEF election.

QEF Election. One way in which certain of the adverse consequences of PFIC status can be mitigated is for a U.S. Holder make a QEF election. Generally, a shareholder making the QEF election is required for each taxable year to include in income a pro rata share of the ordinary earnings and net capital gain of the QEF, subject to a separate election to defer payment of taxes, which deferral is subject to an interest charge. An election to treat us as a QEF will not be available if we do not provide the information necessary to make such an election. It is not expected that a U.S. Holder will be able to make a QEF election because we do not intend to provide U.S. Holders with the information necessary to make a QEF election.

Mark-to-Market Election. Alternatively, if our ordinary shares are treated as “marketable stock,” a U.S. Holder would be allowed to make a “mark-to-market” election with respect to our ordinary shares, provided the U.S. Holder completes and files IRS Form 8621 in accordance with the relevant instructions and related Treasury Regulations. If that election is made, the U.S. Holder generally would include as ordinary income in each taxable year the excess, if any, of the fair market value of our ordinary shares at the end of the taxable year over such holder’s adjusted tax basis in such ordinary shares. The U.S. Holder would also be permitted an ordinary loss in respect of the excess, if any, of the U.S. Holder’s adjusted tax basis in our ordinary shares over their fair market value at the end of the taxable year, but only to the extent of the net amount previously included in income as a result of the mark-to-market election. A U.S. Holder’s tax basis in our ordinary shares would be adjusted to reflect any such income or loss amount. Gain realized on the sale, exchange or other disposition of our ordinary shares would be treated as ordinary income, and any loss realized on the sale, exchange or other disposition of our ordinary shares would be treated as ordinary loss to the extent that such loss does not exceed the net mark-to-market gains previously included in income by the U.S. Holder, and any loss in excess of such amount will be treated as capital loss. Amounts treated as ordinary income will not be eligible for the favorable tax rates applicable to qualified dividend income or long-term capital gains.

A mark-to-market election will not apply to our ordinary shares held by a U.S. Holder for any taxable year during which we are not a PFIC, but will remain in effect with respect to any subsequent taxable year in which we become a PFIC. Such election will not apply to any PFIC subsidiary that we own.

Generally, stock will be considered marketable stock if it is “regularly traded” on a “qualified exchange” within the meaning of applicable Treasury Regulations. A class of stock is regularly traded on an exchange during any calendar year during which such class of stock is traded, other than in de minimis quantities, on at least 15 days during each calendar quarter. To be marketable stock, our ordinary shares must be regularly traded on a qualifying exchange (i) in the United States that is registered with the SEC or a national market system established pursuant to the Exchange Act or (ii) outside the United States that is properly regulated and meets certain trading, listing, financial disclosure and other requirements. Since our ordinary shares are quoted only on the OCTQB, they may not currently qualify as marketable stock for purposes of the election and therefore the election may not be available to a U.S. Holder. U.S. Holders should consult their own tax advisors regarding the availability and tax consequences of a mark-to-market election in respect to our ordinary shares under their particular circumstances.

Each U.S. Holder should consult its own tax adviser with respect to the applicability of the “net investment income tax” (discussed below) where a mark-to-market election is in effect.

Default PFIC Rules. A U.S. Holder who does not make a timely QEF election (we do not currently intend to prepare or provide the information that would enable a U.S. Holder to make a QEF election) or a mark-to-market election, referred to in this summary as a “Non-Electing U.S. Holder,” will be subject to special rules with respect to (i) any “excess distribution” (generally, the portion of any distributions received by the Non-Electing U.S. Holder on the ordinary shares in a taxable year in excess of 125% of the average annual distributions received by the Non-Electing U.S. Holder in the three preceding taxable years, or, if shorter, the Non-Electing U.S. Holder’s holding period for the ordinary shares), and (ii) any gain realized on the sale or other disposition of such ordinary shares. Under these rules:

- the excess distribution or gain would be allocated ratably over the Non-Electing U.S. Holder’s holding period for such ordinary shares;
- the amount allocated to the current taxable year and any year prior to us becoming a PFIC would be taxed as ordinary income; and
- the amount allocated to each of the other taxable years would be subject to tax at the highest rate of tax in effect for the applicable class of taxpayer for that year, and an interest charge for the deemed deferral benefit would be imposed with respect to the resulting tax attributable to each such other taxable year.

If a Non-Electing U.S. Holder who is an individual dies while owning our ordinary shares, the Non-Electing U.S. Holder’s successor would be ineligible to receive a step-up in tax basis of such ordinary shares. Non-Electing U.S. Holders should consult their tax advisors regarding the application of the “net investment income tax” (described below) to their specific situation.

To the extent a distribution on our ordinary shares does not constitute an excess distribution to a Non-Electing U.S. Holder, such Non-Electing U.S. Holder generally will be required to include the amount of such distribution in gross income as a dividend to the extent of our current or accumulated earnings and profits (as determined for U.S. federal income tax purposes) that are not allocated to excess distributions. The tax consequences of such distributions are discussed above under “Taxation of U.S. Holders—Distributions.” Each U.S. Holder is encouraged to consult its own tax advisor with respect to the appropriate U.S. federal income tax treatment of any distribution on our ordinary shares.

If we are treated as a PFIC for any taxable year during the holding period of a Non-Electing U.S. Holder, we will continue to be treated as a PFIC for all succeeding years during which the Non-Electing U.S. Holder is treated as a direct or indirect Non-Electing U.S. Holder even if we are not a PFIC for such years. A U.S. Holder is encouraged to consult its tax advisor with respect to any available elections that may be applicable in such a situation, including the “deemed sale” election of Code Section 1298(b)(1) (which will be taxed under the adverse tax rules described above).

We may invest in the equity of foreign corporations that are PFICs or may own subsidiaries that own PFICs. If we are classified as a PFIC, under attribution rules, U.S. Holders will be subject to the PFIC rules with respect to their indirect ownership interests in such PFICs, such that a disposition of the ordinary shares of the PFIC or receipt by us of a distribution from the PFIC generally will be treated as a deemed disposition of such ordinary shares or the deemed receipt of such distribution by the U.S. Holder, subject to taxation under the PFIC rules. There can be no assurance that a U.S. Holder will be able to make a QEF election, and a U.S. Holder may not make a mark-to-market election, with respect to PFICs in which we invest. Each U.S. Holder is encouraged to consult its own tax advisor with respect to tax consequences of an investment by us in a corporation that is a PFIC.

In addition, U.S. Holders should consult their tax advisors regarding the IRS information reporting and filing obligations that may arise as a result of the ownership of ordinary shares in a PFIC, including IRS Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund.

The U.S. federal income tax rules relating to PFICs elections are complex. U.S. Holders are urged to consult their own tax advisors with respect to the purchase, ownership and disposition of our ordinary shares, any elections available with respect to such ordinary shares and the IRS information reporting obligations with respect to the purchase, ownership and disposition of our ordinary shares.

Certain Reporting Requirements

Certain U.S. Investors are required to file IRS Form 926, Return by U.S. Transferor of Property to a Foreign Corporation, and certain U.S. Investors may be required to file IRS Form 5471, Information Return of U.S. Persons With Respect to Certain Foreign Corporations, reporting transfers of cash or other property to us and information relating to the U.S. Investor and us. Substantial penalties may be imposed upon a U.S. Investor that fails to comply.

In addition, certain U.S. Investors are required to report information on IRS Form 8938 with respect to their investments in certain “foreign financial assets,” which would include an investment in our Ordinary Shares, to the IRS.

Investors who fail to report required information could become subject to substantial civil and criminal penalties. U.S. Investors should consult their tax advisors regarding the possible implications of these reporting requirements and any other applicable reporting requirement with respect to their investment in and ownership of our Ordinary Shares.

Disclosure of Reportable Transactions

If a U.S. Investor sells or disposes of the Ordinary Shares at a loss or otherwise incurs certain losses that meet certain thresholds, such U.S. Investor may be required to file a disclosure statement with the IRS. Failure to comply with these and other reporting requirements could result in the imposition of significant penalties.

Backup Withholding Tax and Information Reporting Requirements

Generally, information reporting requirements will apply to distributions on our Ordinary Shares or proceeds on the disposition of our Ordinary Shares paid within the United States (and, in certain cases, outside the United States) to U.S. Investors other than certain exempt recipients, such as corporations. Furthermore, backup withholding (currently at 28%) may apply to such amounts if the U.S. Investor fails to (i) provide a correct taxpayer identification number, (ii) report interest and dividends required to be shown on its U.S. federal income tax return, or (iii) make other appropriate certifications in the required manner. U.S. Investors who are required to establish their exempt status generally must provide such certification on IRS Form W-9.

Backup withholding is not an additional tax. Amounts withheld as backup withholding from a payment may be credited against a U.S. Investor's U.S. federal income tax liability and such U.S. Investor may obtain a refund of any excess amounts withheld by filing the appropriate claim for refund with the IRS and furnishing any required information in a timely manner.

Medicare Tax on Investment Income

Certain U.S. persons, including individuals, estates and trusts, will be subject to an additional 3.8% Medicare tax, or "net investment income tax," on unearned income. For individuals, the additional net investment income tax applies to the lesser of (i) "net investment income" or (ii) the excess of "modified adjusted gross income" over \$200,000 (\$250,000 if married and filing jointly or \$125,000 if married and filing separately). "Net investment income" generally equals the taxpayer's gross investment income reduced by the deductions that are allocable to such income. Investment income generally includes passive income such as interest, dividends, annuities, royalties, rents, and capital gains. U.S. Investors are urged to consult their own tax advisors regarding the implications of the additional net investment income tax resulting from their ownership and disposition of our Ordinary Shares.

THIS SUMMARY OF MATERIAL U.S. FEDERAL INCOME TAX CONSEQUENCES IS NOT TAX ADVICE. THE DETERMINATION OF THE ACTUAL TAX CONSEQUENCES FOR A U.S. HOLDER WILL DEPEND ON THE U.S. HOLDER'S SPECIFIC SITUATION. U.S. HOLDERS OF ORDINARY SHARES SHOULD CONSULT THEIR OWN TAX ADVISORS AS TO THE TAX CONSEQUENCES OF ACQUIRING, OWNING AND DISPOSING OF OUR ORDINARY SHARES, INCLUDING THE APPLICABILITY AND EFFECT OF THE ALTERNATIVE MINIMUM TAX AND ANY STATE, LOCAL, FOREIGN OR OTHER TAX LAWS AND OF CHANGES IN THOSE LAWS.

F. Dividends and Paying Agents.

Not applicable.

G. Statements by Experts.

Not applicable.

H. Documents on Display.

You may read and copy this Annual Report on Form 20-F, including the related exhibits and schedules, and any document we file with the SEC without charge at the SEC's public reference room at 100 F Street, N.E., Room 1580, Washington, DC 20549. You may also obtain copies of the documents at prescribed rates by writing to the Public Reference Section of the SEC at 100 F Street, N.E., Room 1580, Washington, DC 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference room. The SEC also maintains an Internet website that contains reports and other information regarding issuers that file electronically with the SEC. Our filings with the SEC are also available to the public through the SEC's website at <http://www.sec.gov>.

As a "foreign private issuer," we are subject to the information reporting requirements of the Exchange Act that are applicable to foreign private issuers, and under those requirements file reports with the SEC. Those other reports or other information may be inspected without charge at the locations described above. As a "foreign private issuer," we are exempt from the rules under the Exchange Act related to the furnishing and content of proxy statements, and our officers, directors and principal shareholders will be exempt from the reporting and "short-swing" profit recovery provisions contained in Section 16 of the Exchange Act with respect to their purchases and sales of ordinary shares. Furthermore, as a "foreign private issuer," we are also not subject to the requirements of Regulation FD (Fair Disclosure) promulgated under the Exchange Act.

We maintain a corporate website at <http://www.pvnanocell.com>. Information contained on, or that can be accessed through, our website is not incorporated by reference into this annual report and does not constitute a part of this annual report. We have included our website address in this annual report solely as an inactive textual reference.

I. Subsidiary Information.

Not applicable.

ITEM 11. Quantitative and Qualitative Disclosures About Market Risk.

Quantitative and Qualitative Disclosure About Market Risk

We are exposed to market risks in the ordinary course of our business. Market risk represents the risk of loss that may impact our financial position, results of operations or cash flows due to adverse changes in financial market prices and rates, including interest rates and foreign exchange rates, of financial instruments.

Foreign Currency Exchange Risk

Our foreign currency exposures give rise to market risk associated with exchange rate movements of the NIS mainly against the U.S. dollar because a large portion of our expenses are denominated in NIS. Our NIS expenses consist principally of payments made to employees, sub-contractors, professional services, other research and development activities and general and administrative activities. We anticipate that a large portion of our expenses will continue to be denominated in currencies other than the U.S. dollar. Our financial position, results of operations and cash flow are subject to fluctuations due to changes in foreign currency exchange rates. Our results of operations and cash flow are, therefore, subject to fluctuations due to changes in foreign currency exchange rates and may be adversely affected in the future due to changes in foreign exchange rates. Approximately 75% of our expenses are denominated in NIS. Changes of 5% and 10% in the U.S. dollar to NIS exchange rate will increase/decrease our operation expenses by less than 3.8% and 7.5%, respectively. To date, fluctuations in the exchange rates have not materially affected our results of operations or financial condition for the periods under review.

To date, we have not engaged in hedging our foreign currency exchange risk. In the future, we may enter into formal currency hedging transactions to decrease the risk of financial exposure from fluctuations in the exchange rates of our principal operating currencies. These measures, however, may not adequately protect us from the material adverse effects of such fluctuations.

Interest Rate Risk

Our exposure to interest rate risk for changes in interest rates relates primarily to the interest income generated by excess cash invested in bank deposits. We have not used any derivative financial instruments in our investment portfolio or for cash management purposes. Interest-earning instruments carry a degree of interest rate risk. We have not been exposed nor do we anticipate being exposed to material risks due to changes in interest rates. However, our future interest income may fall short of expectations due to changes in interest rates.

ITEM 12. Description of Securities Other Than Equity Securities.

A. Debt Securities.

Not applicable.

B. Warrants and Rights.

Not applicable.

C. Other Securities.

Not applicable.

D. American Depositary Shares.

Not applicable.

PART II

ITEM 13. Defaults, Dividend Arrearages and Delinquencies.

Not applicable.

ITEM 14. Material Modifications to the Rights of Security Holders and Use of Proceeds.

A. Not applicable.

B. Not applicable.

C. Not applicable.

D. Not applicable.

E. Not applicable.

ITEM 15. Controls and Procedures.

Disclosure Controls and Procedures

We performed an evaluation of the effectiveness of our disclosure controls and procedures that are designed to ensure that information required to be disclosed in this Annual Report on Form 20-F and filed with the SEC is recorded, processed, summarized and reported timely within the time period specified in the SEC's rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by an issuer in the reports that it files or submits under the Exchange Act, is accumulated and communicated to the issuer's management, including its principal executive and principal financial officers, or persons performing similar functions, as appropriate to allow timely decisions regarding required disclosure. There can be no assurance that our disclosure controls and procedures will detect or uncover all failures of persons within our Company to disclose information otherwise required to be set forth in our reports. Nevertheless, our disclosure controls and procedures are designed to provide reasonable assurance of achieving the desired control objectives. Based on our evaluation, our management has concluded that our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15(d) - 15(e) of the Exchange Act) as of the end of the period covered by this report are effective at such reasonable assurance level.

Management's Annual Report on Internal Control over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rules 13a-15(f) and 15d-15(f). Under the supervision and with the participation of our management, we conducted an evaluation of the effectiveness of our internal control over financial reporting. Our management assessed the effectiveness of our internal control over financial reporting as of December 31, 2016. In making this assessment, it used the criteria established in the updated framework in the Internal Control — Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission in 1992 and updated in May 2013 issued by the Committee of Sponsoring Organizations of the Treadway Commission, or COSO. Based on our assessment, as of December 31, 2016, our internal control over financial reporting is ineffective.

The specific material weakness we identified in our internal control over financial reporting related to the lack of sufficient qualified accounting personnel with appropriate understanding of U.S. GAAP and SEC reporting requirements commensurate with our financial reporting requirements, which resulted in a number of internal control deficiencies that were identified as being significant. Also, as a small company, we do not have sufficient internal control personnel to set up adequate review functions at each reporting level.

In order to cure the foregoing material weakness, we have taken or are taking the following remediation measures:

1. We are seeking additional accounting and internal control staff with relevant U.S. GAAP accounting, SEC reporting and internal control experience, skills and knowledge in improving standards and procedures according to the requirements of the Sarbanes-Oxley Act;

2. We are in the process of hiring a permanent chief financial officer with significant U.S. GAAP and SEC reporting experience; and

3. We plan to provide further training to our financial consultants to enhance their understanding of our internal control policies and procedures, including participating in training programs relating to U.S. GAAP accounting and internal control.

We intend to complete the remediation of the material weaknesses discussed above as soon as practicable but we can give no assurance that we will be able to do so. Designing and implementing an effective disclosure controls and procedures is a continuous effort that requires us to anticipate and react to changes in our business and the economic and regulatory environments and to devote significant resources to maintain a financial reporting system that adequately satisfies our reporting obligations. The remedial measures that we have taken and intend to take may not fully address the material weakness that we have identified, and material weaknesses in our disclosure controls and procedures may be identified in the future. Should we discover such conditions, we intend to remediate them as soon as practicable. We are committed to taking appropriate steps for remediation, as needed.

All internal control systems, no matter how well designed, have inherent limitations. Even systems determined to be effective can only provide reasonable assurance regarding financial statement preparation and presentation and may not prevent or detect misstatements. In addition, any evaluation of effectiveness in future periods is subject to the risk that controls may become inadequate because of changes in future conditions.

Attestation Report of the Registered Public Accounting Firm

This annual report does not include a report of management's assessment regarding internal control over financial reporting or an attestation report of the company's registered public accounting firm due to an exemption provided to emerging growth companies under the JOBS Act.

Changes in Internal Control over Financial Reporting

There were no changes in our internal control over financial reporting that occurred during the year ended December 31, 2016 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

ITEM 16. [RESERVED]

ITEM 16A. Audit Committee Financial Expert.

We presently do not have an audit committee. However, management plans to form an audit committee in the near future. We intend that the audit committee will be comprised solely of independent directors.

ITEM 16B. Code of Ethics.

We have not adopted a code of ethics that applies to our principal executive officer and principal financial officer. We intend to adopt a Code of Ethics as we develop our business.

ITEM 16C. Principal Accountant Fees and Services.

Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global, an independent registered public accounting firm, served as our independent public accountants for the fiscal years ended December 31, 2015 and 2016, for which audited financial statements appear in this Annual Report on Form 20-F.

The following table presents the aggregate fees for professional services rendered by such accountants to us during their

respective term as our principal accountants in 2015 and 2016.

	<u>2016</u>	<u>2015</u>
Audit Fees	\$ 80	\$ 190
Audit-Related fees	-	-
Tax Fees	5	5
All Other Fees	-	-
Total	<u>\$ 85</u>	<u>\$ 195</u>

“Audit fees” are the aggregate fees billed for the audit of our annual financial statements. This category also includes services that generally the independent accountant provides, such as consents and assistance with and review of documents filed with the SEC.

“Audit-related fees” are the aggregate fees billed for assurance and related services that are reasonably related to the performance of the audit and are not reported under audit fees. These fees primarily include accounting consultations regarding the accounting treatment of matters that occur in the regular course of business, implications of new accounting pronouncements and other accounting issues that occur from time to time.

“Tax fees” include fees for professional services rendered by our independent registered public accounting firm for tax compliance and tax advice on actual or contemplated transactions.

“Other fees” include fees for services rendered by our independent registered public accounting firm with respect to government incentives and other matters.

ITEM 16D. Exemptions from the Listing Standards for Audit Committees.

Not applicable.

ITEM 16E. Purchases of Equity Securities by the Issuer and Affiliated Purchasers.

Not applicable.

ITEM 16F. Change in Registrant’s Certifying Accountant.

Not applicable.

ITEM 16G. Corporate Governance.

Not applicable.

ITEM 16H. Mine Safety Disclosure.

Not applicable.

PART III

ITEM 17. Financial Statements.

We have responded to Item 18 in lieu of responding to this item.

ITEM 18. Financial Statements.

Please refer to the financial statements beginning on page F-1. The following financial statements, financial statement schedules and related notes are filed as part of this Annual Report on Form 20-F, together with the report of the independent registered public accounting firm.

	Page
Report of Independent Registered Public Accounting Firm	F-1
Consolidated Balance Sheets	F-2
Consolidated Statements of Operations	F-3
Consolidated Statements of Changes in Shareholders' Deficit	F-4
Consolidated Statements of Cash Flows	F-5
Notes to Consolidated Financial Statements	F-6 - F-29

ITEM 19. Exhibits.

Exhibit No.	Exhibit Description
3.1*	Third Amended and Restated Articles of Association of P.V. Nano Cell Ltd.
4.1*	Form of Warrant issued to purchasers of Units
4.2*	Warrant issued to Peter Weinrib
4.3*	Warrant issued to Eli Kirstein
4.4*	Warrant issued to Marc Bodner
10.1*	Agreement, dated December 15, 2011, by and between P.V. Nano Cell Ltd. and the Ministry of National Infrastructures, Energy and Water Resources
10.2*	Share Purchase Agreement, effective November 29, 2009, by and among the shareholders of Nano Size Ltd. and P.V. Nano Cell Ltd.
10.3*	Convertible Loan Agreement, dated as of October 28, 2010, by and between P.V. Nano Cell Ltd. and Israel Electric Corporation
10.4*	Amendment to Convertible Loan Agreement, dated April 2012, by and between P.V. Nano Cell Ltd. and Israel Electric Corporation
10.5*	Amendment to Convertible Loan Agreement, dated April 2012, by and between P.V. Nano Cell Ltd. and Israel Electric Corporation
10.6*	Partnership Agreement, dated May 21, 2014, by and between P.V. Nano Cell Ltd. and XaarJet Limited
10.7*	Side Agreement, dated July 20, 2014, by and between P.V. Nano Cell Ltd. and IP Bank International (Suzhou) Co., Ltd.
10.8*	First Amendment to the Side Agreement dated July 20, 2014, entered into as of November 26, 2014, by and between P.V. Nano Cell Ltd. and IP Bank International (Suzhou) Co., Ltd.
10.9*	Capital Note of IP Bank International (Suzhou) Co., Ltd., dated November 26, 2014
10.10*	Securities Purchase Agreement, dated November 26, 2014, by and among the Company and the purchasers party thereto
10.11*	Registration Rights Agreement, dated November 26, 2014, by and among the Company and the purchasers party thereto
10.12*	Standby Equity Distribution Agreement, dated July 9, 2015, by and between P.V. Nano Cell Ltd. and YA Global Master SPV LTD.
10.13±*	Agreement, dated September 9, 2009, by and between P.V. Nano Cell Ltd. and Dolev Bar-Guy Consulting and Management Ltd.
10.14±*	First Addendum to the Consultancy Agreement, dated April 9, 2013, by and between P.V. Nano Cell Ltd. and Dolev Bar-Guy Consulting and Management Ltd.
10.15±*	Second Addendum to the Consultancy Agreement, dated May 23, 2013, by and between P.V. Nano Cell Ltd. and Dolev Bar-Guy Consulting and Management Ltd.
10.16±^	Employment Agreement, effective as of October 6, 2015, by and between P.V. Nano Cell Ltd. and Zvika Lifschitz
10.17±*	Consultancy Agreement, dated June 17, 2015, by and between P.V. Nano Cell Ltd. and Menachem Biran
10.18±*	P.V. Nano Cell Ltd. 2010 Option Plan (unofficial English translation from Hebrew original)
10.19±*	Form of Notice of Stock Option Award under the P.V. Nano Cell Ltd. 2010 Option Plan for Consultants
10.20±*	Form of Notice of Stock Option Award under the P.V. Nano Cell Ltd. 2010 Option Plan for Employees (unofficial English translation from Hebrew original)
10.21±*	Consultancy Agreement, dated January 1, 2012, by and between P.V. Nano Cell Ltd. and Andrei Rosenfeld
10.22±	Employment Agreement, effective as of March 15, 2016, by and between P.V. Nano Cell Ltd. and Adva Bar-On
10.23^	Share Purchase Agreement, dated July 12, 2016, by and among the Company and the investors party thereto
12.1	Certification by Chief Executive Officer and Principal Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
13.1	Certification by Chief Executive Officer and Principal Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002

± Compensation Plan or Arrangement or Management Contract.

* Filed as part of our Registration Statement on Form F-1 filed with the Securities and Exchange Commission and incorporated herein by reference.

^ Filed as part of our Annual Report on Form 20-F for the 2015 fiscal year filed with the Securities and Exchange Commission and incorporated herein by reference.

SIGNATURES

The registrant hereby certifies that it meets all of the requirements for filing on Form 20-F and that it has duly caused and authorized the undersigned to sign this annual report on its behalf.

P.V. Nano Cell Ltd.

By: /s/ Fernando de la Vega

Fernando de la Vega
Chief Executive Officer

Date: May 15, 2017

P.V. NANO CELL LTD. AND ITS SUBSIDIARY
CONSOLIDATED FINANCIAL STATEMENTS
AS OF DECEMBER 31, 2016
IN U.S. DOLLARS
INDEX

	<u>Page</u>
Report of Independent Registered Public Accounting Firm	F-1
Consolidated Balance Sheets	F-2
Consolidated Statements of Operations	F-3
Consolidated Statements of Changes in Shareholders' Deficit	F-4
Consolidated Statements of Cash Flows	F-5
Notes to Consolidated Financial Statements	F-6 - F-29



REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To The Shareholders and Board of Directors of

P.V. NANO CELL LTD.

We have audited the accompanying consolidated balance sheets of P.V. Nano Cell Ltd. and its subsidiary (“the Company”) as of December 31, 2015 and 2016, and the related consolidated statements of operations, shareholders’ deficit and cash flows for each of the three years in the period ended December 31, 2016. These financial statements are the responsibility of the Company’s management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. We were not engaged to perform an audit of the Company’s internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company’s internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the consolidated financial position of the Company and its subsidiary at December 31, 2015 and 2016, and the consolidated results of their operations and their cash flows for each of the three years in the period ended December 31, 2016, in conformity with U.S. generally accepted accounting principles.

The accompanying consolidated financial statements have been prepared assuming that the Company will continue as a going concern. As discussed in Note 1b to the financial statements, the Company has recurring losses from operations and has an accumulated deficit that raise substantial doubt about its ability to continue as a going concern. Management’s plans in regard to these matters are also described in Note 1b. The consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.

Tel-Aviv, Israel
May 16, 2017

/S/ KOST FORER GABBAY & KASIERER
KOST FORER GABBAY & KASIERER
A Member of Ernst & Young Global

CONSOLIDATED BALANCE SHEETS

U.S. dollars

	December 31,	
	2015	2016
ASSETS		
CURRENT ASSETS:		
Cash	\$ 10,912	\$ 126,222
Other current assets	153,120	152,504
Inventories	62,685	57,072
Total current assets	226,717	335,798
LONG-TERM ASSETS:		
Property and equipment, net	217,794	400,992
Total assets	444,511	736,790
LIABILITIES AND SHAREHOLDERS' DEFICIT		
CURRENT LIABILITIES:		
Short term bank credit	37,707	18,677
Trade payables	284,061	673,537
Employees and payroll accruals	138,484	171,798
Other current liabilities	634,350	614,183
Total current liabilities	1,094,602	1,478,195
LONG TERM LIABILITIES:		
Warrants presented at fair value	961,922	1,117,321
Capital Note	43,568	45,493
Total liabilities	2,100,092	2,641,009
SHAREHOLDERS' DEFICIT:		
Share capital -		
Ordinary shares of NIS 0.01 par value - Authorized: 100,000,000 shares at December 31, 2015 and 2016; Issued and outstanding: 12,907,898 and 14,505,126 shares at December 31, 2015 and 2016, respectively	33,506	37,648
Additional paid in capital	8,927,429	10,300,428
Accumulated deficit	(10,616,516)	(12,242,295)
Total shareholders' deficit	(1,655,581)	(1,904,219)
Total liabilities and shareholders' deficit	\$ 444,511	\$ 736,790

The accompanying notes are an integral part of the consolidated financial statements.

CONSOLIDATED STATEMENTS OF OPERATIONS

U.S. dollars

	Year ended December 31,		
	2014	2015	2016
Revenues	\$ 41,953	\$ 60,740	\$ 67,678
Other income	15,898	7,592	10,403
Total revenues	57,851	68,332	78,081
Cost of revenues	79,215	69,051	78,622
Gross loss	21,364	719	541
Operating expenses:			
Research and development	1,088,966	901,030	976,882
Less - research and development grants	(129,220)	(180,033)	(344,056)
Research and development, net	959,746	720,997	632,826
Sales and marketing	136,770	245,756	336,287
General and administrative	809,927	807,277	571,110
Total operating expenses	1,906,443	1,774,030	1,540,223
Operating loss	1,927,807	1,774,749	1,540,764
Financial expenses (income), net	236,561	(1,094)	80,636
Net loss	\$ 2,164,368	\$ 1,773,655	\$ 1,621,400
Deemed dividend	1,842,061	-	-
Net loss attributable to holders of ordinary shares	\$ 4,006,429	\$ 1,773,655	\$ 1,621,400
Net loss attributable to holders of ordinary shares per share:			
Basic and diluted net loss attributable to holders of ordinary shares per share	\$ 1.24	\$ 0.14	\$ 0.12
Weighted average number of ordinary shares used in computing basic and diluted net loss per share	3,222,644	12,745,710	13,704,673

The accompanying notes are an integral part of the consolidated financial statements.

P.V. NANO CELL LTD. AND ITS SUBSIDIARY

CONSOLIDATED STATEMENTS OF CHANGES IN SHAREHOLDERS' DEFICIT

U.S. dollars

	Ordinary shares		Preferred shares		Additional paid-in Capital	Accumulated deficit	Total
	Number of shares	Amount	Number of shares	Amount			
Balance as of January 1, 2014	2,226,900	\$ 5,742	8,624,145	\$ 22,438	\$ 4,746,548	\$ (4,836,432)	\$ (61,704)
Conversion of preferred shares to ordinary shares on November 26, 2014	8,624,145	22,438	(8,624,145)	(22,438)	-	-	-
Reclassification of warrants from liability to equity on November 26, 2014	-	-	-	-	16,883	-	16,883
Conversion of convertible loans to ordinary shares on November 26, 2014	743,372	1,920	-	-	718,356	-	720,276
Issuance of ordinary shares, net of issuance cost, on November 26, 2014	1,016,668	2,626	-	-	1,004,794	-	1,007,420
Deemed dividend in respect of equity restructuring	-	-	-	-	1,842,061	(1,842,061)	-
Issuance of warrants and capital note in respect of equity restructuring	-	-	-	-	(90,280)	-	(90,280)
Stock based compensation	-	-	-	-	382,595	-	382,595
Net loss	-	-	-	-	-	(2,164,368)	(2,164,368)
Balance as of December 31, 2014	12,611,085	32,726	-	-	8,620,957	(8,842,861)	(189,178)
Issuance of ordinary shares, net of issuance cost	296,813	780	-	-	297,684	-	298,464
Stock based compensation	-	-	-	-	8,788	-	8,788
Net loss	-	-	-	-	-	(1,773,655)	(1,773,655)
Balance as of December 31, 2015	12,907,898	33,506	-	-	8,927,429	(10,616,516)	(1,655,581)
Issuance of ordinary shares, net of issuance cost	1,234,001	3,199	-	-	1,010,609	-	1,013,808
Beneficial conversion feature related to bridge financing notes	-	-	-	-	74,160	-	74,160
Conversion of bridge financing notes to ordinary shares	274,667	713	-	-	205,287	-	206,000
Exercise of warrants	28,638	76	-	-	26,175	-	26,251
Exercise of options	59,922	154	-	-	-	-	154
Stock based compensation	-	-	-	-	52,389	-	52,389
Cumulative effect adjustment from adoption of ASU 2016-09	-	-	-	-	4,379	(4,379)	-
Net loss	-	-	-	-	-	(1,621,400)	(1,621,400)
Balance as of December 31, 2016	14,505,126	\$ 37,648	-	\$ -	\$ 10,300,428	\$ (12,242,295)	\$ (1,904,219)

The accompanying notes are an integral part of the consolidated financial statements.

CONSOLIDATED STATEMENTS OF CASH FLOWS

U.S. dollars

	Year ended December 31,		
	2014	2015	2016
Cash flows from operating activities:			
Net loss	\$ (2,164,368)	\$ (1,773,655)	\$ (1,621,400)
Adjustments to reconcile net loss to net cash used in operating activities:			
Depreciation	46,435	50,826	55,212
Share-based compensation	382,595	8,788	52,389
Beneficial conversion feature related to bridge financing notes	-	-	74,160
Change in other current assets	(56,732)	(60,243)	616
Change in inventories	(8,733)	(20,228)	5,613
Change in trade payables	(64,420)	234,939	164,926
Change in employees and payroll accruals	(12,040)	44,204	33,314
Change in other current liabilities	(28,811)	428,227	(20,167)
Change in fair value of warrants and capital note	235,382	(19,278)	(25,936)
Net cash used in operating activities	(1,670,692)	(1,106,420)	(1,281,273)
Cash flows from investing activities:			
Purchase of property and equipment	(57,874)	(42,074)	(13,860)
Net cash used in investing activities	(57,874)	(42,074)	(13,860)
Cash flows from financing activities:			
Proceeds from convertible loans	836,294	-	206,000
Proceeds from issuance of shares, net	1,007,420	298,464	1,013,808
Proceeds from warrants exercise	-	-	26,251
Proceeds from stock options exercise	-	-	154
Increase (decrease) in short term bank credit	-	37,707	(19,030)
Proceeds from issuance of warrants presented as liability	457,501	142,470	183,260
Net cash provided by financing activities	2,301,215	478,641	1,410,443
Increase (decrease) in cash	572,649	(669,853)	115,310
Cash at the beginning of the year	108,116	680,765	10,912
Cash at the end of the year	\$ 680,765	\$ 10,912	\$ 126,222
Supplemental information and disclosure of non-cash financing activities			
Conversion of convertible loans including interest in to shares	\$ 720,276	\$ -	\$ 206,000
Issuance of warrants presented as liability	\$ 334,517	\$ -	\$ -
Reclassification of warrants from liability to equity	\$ 16,883	\$ -	\$ -
Issuance of warrants and capital note in respect of equity restructuring	\$ 90,280	\$ -	\$ -
Purchase of property and equipment on credit	\$ -	\$ -	\$ 224,550

The accompanying notes are an integral part of the consolidated financial statements.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 1:- GENERAL

- a. P.V. Nano Cell Ltd. (the “Company”) was incorporated in June 2009 under the laws of Israel. The Company has a wholly-owned subsidiary, Nano Size Ltd., a company incorporated under the laws of Israel (“the subsidiary”). The Company and its subsidiary are mainly engaged in developing, manufacturing, marketing and commercializing conductive inks for digital inkjet conductive printing applications. As of December 31, 2016, the Company had only limited sales of its products and had not yet commenced larger scale commercial production or sales.

During 2013, the Company formed together with IP Bank International (Suzhou) Co., Ltd. (“IPB”), Leed Thick Film Past Co. and Leed Ink (Suzhou) Co. Ltd. (“Leed”), a Chinese joint venture (“JV”). The Company owns 40% of the outstanding equity securities of the JV. The JV is inactive and is in the process to be dissolved.

- b. Since its inception, the Company has incurred operating losses and has used cash in its operations. During the year ended December 31, 2016, the Company used cash in operating activities of \$1.3 million, incurred a net loss of \$1.6 million and had a total accumulated deficit of \$12.2 million as of December 31, 2016. The Company requires additional financing in order to continue to fund its current operations and pay existing and future liabilities.

The Company intends to finance operating costs over the next twelve months through issuance of equity securities. The Company is currently negotiating with third parties in an attempt to obtain additional sources of funds which, in management’s opinion, would provide adequate cash flows to finance the Company’s operations. The satisfactory completion of these negotiations is essential to provide sufficient cash flow to meet current operating requirements. However, the Company cannot give any assurance that it will be able to achieve a level of profitability from the sale of its products to sustain its operations in the future. These conditions raise substantial doubt about the Company’s ability to continue as a going concern.

The accompanying financial statements do not include any adjustments to reflect the possible future effects on recoverability and reclassification of assets or the amounts and classification of liabilities that may result from the outcome of this uncertainty (Refer to note 14 for additional financing in 2017).

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES

The consolidated financial statements are prepared according to United States generally accepted accounting principles (“U.S. GAAP”).

a. Use of estimates:

The preparation of the consolidated financial statements in conformity with U.S. GAAP requires management to make estimates, judgments and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the period. The Company’s management believes that the estimates, judgments and assumptions used are reasonable based upon information available at the time they are made. Actual results could differ from those estimates.

On an ongoing basis, the Company’s management evaluates estimates, including those related to tax assets and liabilities, fair values of stock-based awards, warrants to purchase the Company’s shares, capital note and inventories write-offs. Such estimates are based on historical experience and on various other assumptions that are believed to be reasonable, the results of which form the basis for making judgments about the carrying values of assets and liabilities.

b. Financial statements in U.S. dollars:

The accompanying financial statements have been prepared in U.S. dollars (“dollar” or “dollars”).

A substantial portion of the Company’s costs are incurred in New Israeli Shekels. However, the Company finances its operations mainly in U.S. dollars and a majority of the Company’s revenues are denominated in dollars. As such, the Company’s management believes that the U.S. dollar is the currency of the primary economic environment in which the Company operates. Thus, the functional and reporting currency of the Company is the U.S. dollar.

Transactions and balances that are denominated in dollars are presented at their original amounts. Non-dollar transactions and balances have been re-measured to dollars in accordance with Accounting Standards Codification (“ASC”) No. 830, “Foreign Currency Matters”. All foreign currency transaction gains and losses are reflected in the statements of operations as financial income or expenses, as appropriate.

c. Principles of consolidation:

The consolidated financial statements include the accounts of the Company and its subsidiary, intercompany transactions and balances have been eliminated upon consolidation.

d. Inventories:

Inventories are measured at the lower of cost and net realizable value, cost is computed on a first-in, first-out basis. The inventories consist of finished goods and raw materials.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)

e. Property and equipment:

Property and equipment are stated at cost net of accumulated depreciation. Depreciation is calculated by the straight-line method, over the estimated useful lives of the assets, at the following annual rates:

	<u>%</u>
Computers	15 – 33
Equipment	7 – 33
Office furniture	6 – 15
Leasehold improvements	*)

*) Leasehold improvements are amortized on a straight-line basis over the shorter of the lease term (including the extension option held by the Company and intended to be exercised) and the expected life of the improvement.

Long-lived assets of the Company are reviewed for impairment in accordance with ASC No. 360, “Property, Plant and Equipment”, whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset to the future undiscounted cash flows expected to be generated by the assets. If such assets are considered to be impaired, the impairment to be recognized is measured by the amount by which the carrying amount of the assets exceeds the fair value of the assets. During 2014, 2015 and 2016, no impairment losses were identified.

f. Revenues Recognition:

Revenues from ink sales are recognized in accordance with ASC No. 605-15, “Revenue Recognition” when delivery has occurred, persuasive evidence of an agreement exists, the vendor’s fee is fixed or determinable, and collectability is reasonably assured.

Other income, represent a recurring sale of production waste.

g. Cost of revenues:

Cost of revenues is comprised of cost of materials production, employees’ salaries and related costs, allocated overhead expenses, packaging, import taxes, royalties paid to third parties and to the Government of Israel and other programs, as described in note 7.

h. Research and development, net:

Research and development expenses are charged to the consolidated statements of operations as incurred, net of grants received, as described in note 2i.

i. Government grants:

The Company receives participation funds and grants, which represents participation of the government of Israel and European grants. These amounts are recognized on the accrual basis as a reduction of research and development costs as such costs are incurred.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)

j. Income taxes:

The Company accounts for income taxes in accordance with ASC No. 740, "Income Taxes". This Statement prescribes the use of the liability method whereby deferred tax assets and liability account balances are determined based on differences between financial reporting and tax bases of assets and liabilities and are measured using the enacted tax rates and laws that will be in effect when the differences are expected to reverse. The Company provides a valuation allowance, if necessary, to reduce deferred tax assets to amounts that more likely than not to be realized.

ASC 740 contains a two-step approach to recognizing and measuring a liability for uncertain tax positions. The first step is to evaluate the tax position taken or expected to be taken in a tax return by determining if the weight of available evidence indicates that it is more likely than not that, on an evaluation of the technical merits, the tax position will be sustained on audit, including resolution of any related appeals or litigation processes. The second step is to measure the tax benefit as the largest amount that is more than 50% likely to be realized upon ultimate settlement.

k. Accounting for stock-based compensation:

The Company accounts for share based compensation in accordance with ASC No. 718, "Compensation - Stock Compensation" that requires companies to estimate the fair value of equity-based payment awards on the date of grant using an option-pricing model. The Company recognizes compensation expenses for the value of its awards granted based on the straight-line attribution method over the requisite service period of each of the awards. The Company recognizes forfeitures of awards as they occur.

The Company selected the Black-Scholes option pricing model as the most appropriate fair value method for its stock-options awards. The Black-Scholes option-pricing model requires a number of assumptions, of which the most significant are the expected stock volatility and the expected option term. Expected volatility was calculated based upon similar traded companies' historical stock price movements. The Company uses the simplified method until such time as there is sufficient historical exercise data to allow the Company to make and rely upon assumptions as to the expected life of outstanding options. The risk-free interest rate is based on the yield from U.S. treasury bonds with an equivalent term to the expected life of the options. Historically the Company has not paid dividends and in addition has no foreseeable plans to pay dividends, and therefore uses an expected dividend yield of zero in the option pricing model.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)

k. Accounting for stock-based compensation (Cont.):

The fair value for options granted is estimated at the date of grant using the Black-Scholes option-pricing model with the following assumptions:

	<u>2014</u>	<u>2015</u>	<u>2016</u>
Dividend yield	*)	0%	0%
Expected volatility	*)	64%- 69%	68%-71%
Risk-free interest	*)	1.12%-	0.83%-
Expected life (in years)	*	4.375	2.98

*) No grants were made in 2014.

l. Concentrations of credit risks:

Financial instruments that potentially subject the Company to concentrations of credit risk consist principally of cash. The Company's cash balances are managed in major banks in Israel.

m. Severance pay:

Pursuant to Section 14 of Israel's Severance Pay Law, 5723-1963 ("Section 14"), the Company's employees, covered by this section, are entitled only to monthly deposits, at a rate of 8.33% of their monthly salary, made on their behalf by the Company to an Israeli insurance company. Payments in accordance with Section 14 release the Company from any future the severance liabilities in respect of those employees. Neither severance pay liability nor severance pay fund under Section 14 for such employees is recorded on the Company's balance sheet.

Severance expenses for the years ended December 31, 2014, 2015 and 2016 amounted to \$36,456, \$39,194 and \$44,511, respectively.

n. Fair value of financial instruments:

The Company applies ASC 820, "Fair Value Measurements and Disclosures". Under this standard, fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (i.e., the "exit price") in an orderly transaction between market participants at the measurement date.

In determining fair value, the Company uses various valuation approaches. ASC 820 establishes a hierarchy for inputs used in measuring fair value that maximizes the use of observable inputs and minimizes the use of unobservable inputs by requiring that the most observable inputs be used when available. Observable inputs are inputs that market participants would use in pricing the asset or liability developed based on market data obtained from sources independent from the Company. Unobservable inputs are inputs that reflect the Company's assumptions about the assumptions market participants would use in pricing the asset or liability developed based on the best information available in the circumstances.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)

- n. Fair value of financial instruments (Cont.):

The hierarchy is broken down into three levels based on the inputs as follows:

Level 1 - Valuations based on quoted prices in active markets for identical assets or liabilities that the Company has the ability to access at the measurement date.

Level 2 - Valuations based on one or more quoted prices in markets that are not active or for which all significant inputs are observable, either directly or indirectly.

Level 3 - Valuations based on inputs that are unobservable and significant to the overall fair value measurement.

In accordance with ASC 480, the Company measures its warrants to purchase the Company's shares classified as liability and the capital note at fair value. The carrying amounts of cash, other current assets, trade payables and other accounts liabilities approximate their fair value due to the short-term maturity of such instruments.

The following table presents liabilities measured at fair value on a recurring basis as of December 31, 2015:

	Fair value measurements using input type			
	Level 1	Level 2	Level 3	Total
Warrants	-	-	\$ 961,922	\$ 961,922
Capital note	-	-	43,568	43,568
Total financial liabilities	-	-	\$ 1,005,490	\$ 1,005,490

The following table presents liabilities measured at fair value on a recurring basis as of December 31, 2016:

	Fair value measurements using input type			
	Level 1	Level 2	Level 3	Total
Warrants	-	-	\$ 1,117,321	\$ 1,117,321
Capital note	-	-	45,493	45,493
Total financial liabilities	-	-	\$ 1,162,814	\$ 1,162,814

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)

- n. Fair value of financial instruments (Cont.):

The following table presents reconciliations for the Company's liabilities measured and recorded at fair value on a recurring basis, using significant unobservable inputs (Level 3):

	<u>Level 3</u>
Balance at January 1, 2014	\$ -
Fair value of warrants and capital note	<u>882,298</u>
Balance at December 31, 2014	882,298
Fair value of warrants to investors	142,470
Changes in Fair value of warrants and capital note	<u>(19,278)</u>
Balance at December 31, 2015	1,005,490
Fair value of warrants to investors	183,260
Changes in Fair value of warrants and capital note	<u>(25,936)</u>
Balance at December 31, 2016	<u>\$ 1,162,814</u>

- o. Basic and diluted net loss per share:

Basic net loss per share is computed based on the weighted average number of ordinary shares outstanding during each year. Diluted net loss per share is computed based on the weighted average number of ordinary shares outstanding during each year, plus the dilutive potential of ordinary shares considered outstanding during the year in accordance with ASC 260, "Earnings Per Share". Diluted loss per share is computed based on the weighted average number of ordinary shares outstanding during the period, plus the dilutive effect of ordinary shares considered outstanding during the period.

The total number of shares related to the outstanding stock options excluded from the calculations of diluted loss per share, since it would have an anti-dilutive effect, was 697,595, 1,021,917 and 836,514 for 2014, 2015 and 2016, respectively. The total number of warrants to purchase ordinary shares related to the outstanding options excluded from the calculations of diluted loss per share, since it would have an anti-dilutive effect, was 2,241,112, 2,542,262 and 2,834,410 for 2014, 2015 and 2016, respectively.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)

p. Recently issued accounting standards:

1. In May 2014, the Financial Accounting Standards Board (“FASB”) issued guidance related to “Revenue from contracts with customers”. Under this guidance, revenue is recognized when promised goods or services are transferred to customers in an amount that reflects the consideration that is expected to be received for those goods or services. The updated standard will replace most existing revenue recognition guidance under GAAP when it becomes effective and permits the use of either the retrospective or cumulative effect transition method. As currently issued and amended, the standard will become effective for the Company in 2019. The Company is currently evaluating the effect that the updated standard will have on its consolidated financial statements and related disclosures.
2. In August 2014, the FASB issued ASU 2014-15, “Presentation of Financial Statements-Going Concern (Subtopic 205-40): Disclosure of Uncertainties about an Entity’s Ability to Continue as a Going Concern”, which defines management’s responsibility to assess an entity’s ability to continue as a going concern, and to provide related footnote disclosures if there is substantial doubt about its ability to continue as a going concern. The pronouncement is effective for annual reporting periods ending after December 15, 2016 with early adoption permitted. The Company adopted the provisions of ASU 2014-15 for the year ended December 31, 2016.
3. In February 2016, the FASB issued ASU 2016-02, “Leases” (Topic 842). The standard requires that long-term lease arrangements be recognized on the balance sheet. As currently issued and amended, the standard will become effective for the Company in 2020. Early adoption is permitted. The Company is currently evaluating the impact of adoption on its consolidated financial statements.
4. In March 2016, the FASB issued ASU No. 2016-09, “Compensation — Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting” (“ASU 2016-09”). ASU 2016-09 simplifies several aspects of the accounting for share-based payment transactions, including the income tax consequences, classification of awards as either equity or liabilities, and classification on the statement of cash flows. As currently issued and amended, the ASU will become effective for the Company in 2018. Early adoption is permitted. The Company early adopted ASU 2016-09 in 2016 using a modified retrospective transition method.

Under the new guidance, the Company has elected to change its policy and has started to recognize forfeitures of awards as they occur. The change in forfeiture policy was adopted using a modified retrospective transition method. The Company recorded a total cumulative-effect adjustment in accumulated deficit as of January 1, 2016 for the revision of the forfeiture fair value that have not previously been recognized in an amount of \$4,379 upon transition.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 3:- OTHER CURRENT ASSETS

	December 31,	
	2015	2016
Grants from the Authority	\$ 124,862	\$ 56,514
Government authorities	14,579	70,332
Account receivables	11,816	18,607
Other	1,863	7,051
	<u>\$ 153,120</u>	<u>\$ 152,504</u>

NOTE 4:- PROPERTY AND EQUIPMENT, NET

	December 31,	
	2015	2016
Cost:		
Computers	\$ 43,964	\$ 43,964
Equipment	422,641	661,051
Office furniture	14,394	14,394
Leasehold improvements	23,458	23,458
	504,457	742,867
Accumulated depreciation:	286,663	341,875
Property and equipment, net	<u>\$ 217,794</u>	<u>\$ 400,992</u>

Depreciation expenses for the years ended December 31, 2014, 2015 and 2016 were \$46,435, \$50,826 and \$55,212, respectively.

NOTE 5:- OTHER CURRENT LIABILITIES

	December 31,	
	2015	2016
Provision for professional fees	\$ 443,695	\$ 254,430
Grants received in advance	115,062	299,421
Provision for legal claims	40,000	40,000
Other	35,593	20,332
	<u>\$ 634,350</u>	<u>\$ 614,183</u>

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 6:- CONVERTIBLE BRIDGE FINANCING

- a. During 2014, the Company issued convertible bridge financing notes (the “Series 2 Notes”) with an aggregate principal amount of \$836,294. The Series 2 Notes accrue interest at a rate of 6% per year and mature prior to conversion only upon an event of default thereunder (as defined in the agreement). Each Series 2 Note shall automatically convert into the most senior class of securities offered by the Company in its next completed equity financing transaction completed within 12 months after the issuance date of such note (based on a conversion price per share equal to 75% of the sales price of such securities in the equity financing transaction) or, if no such transaction is completed within such 12 month period, the notes will be converted into Series B Preferred Shares at a conversion price of \$0.917 per share and no interest shall be payable in respect of such converted Series 2 Notes.

In addition, the Company granted the holders of the convertible notes warrants to purchase the most senior class of securities of the Company issued in the next equity round in a total amount equal to 7.4% of the aggregate principal amount of the Series 2 Notes. In accordance with ASC 480, the warrants were classified as a liability instrument as the number of warrants and exercise price are not fixed. The Company measures the warrants at fair value by using the Black-Scholes option pricing model in each reporting period until they are exercised or expired, with changes in the fair values being recognized in the Company’s statement of operations as financial expense (income), net.

The conversion features upon a financing round was determined to be the predominant events and therefore the entire instrument was considered as a liability pursuant to ASC No. 480 “Distinguishing Liabilities from Equity” and measures at fair value.

Upon the issuance by the Company of ordinary shares in November 2014, as described in Note 9a, it was determined that the warrants issued to the lenders under the Series 2 Notes, in the aggregate, would represent the right to purchase 41,179 ordinary shares at an exercise price of \$1.50 per share, and as such the warrants in the amount of \$16,883 (the Company used the following assumptions: 0% dividend yield, 66.8% expected volatility, 1.67% risk free rate and 3.21 expected life in years) were classified from liability to additional paid in capital.

Upon the issuance by the Company of ordinary shares in November 2014, as described in Note 9a, the Series 2 Notes were converted into 743,372 units. Each unit includes ordinary shares at a price per share of \$1.125, and an additional 743,372 warrants, at an exercise price of \$1.50 per ordinary share. The entire redemption amount was classified as paid in capital in the amount of \$218,499. The warrants issued in connection with the conversion may be redeemed by their holders, without the control of the Company, upon the occurrence of certain fundamental transactions as describe in the agreement. In accordance with ASC 480, the warrants were recorded as a liability as of December 31, 2015 and 2016 in the amount of \$321,434 and \$311,837, respectively (refer to assumptions used as detailed in note 9a).

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 6:- CONVERTIBLE BRIDGE FINANCING (Cont.)

- b. In February and March 2016, the Company issued convertible bridge financing notes (the “Additional Notes”) with an aggregate principal amount of \$206,000. Each Additional Note may be converted at the choice of the holder into the same class of securities offered by the Company in its next equity financing transaction completed within six months after the issuance date of such note, or, if no such transaction is completed within such six month period, the notes will be converted into units at a price of \$1.50 per unit.

The Additional Notes accrue interest at a rate of 6% per year. No interest shall accrue if the principal sum is converted pursuant to the terms of the Additional Note as stated above.

Upon the issuance by the Company of ordinary shares in July 2016, as detailed in note 9a, the Additional Notes were converted into 274,667 ordinary shares based on a conversion price of \$0.75 per share. The Company determined that the Additional Notes contained a beneficial conversion feature. In accordance with the accounting guidance on convertible instruments, the beneficial conversion feature of \$74,160 was recognized as additional interest expense when the Additional Notes were converted into ordinary shares.

NOTE 7:- COMMITMENTS AND CONTINGENT LIABILITIES

- a. The Company was engaged in research and development programs with the National Technological Innovation Authority, or the “Authority” (formerly operating as Office of the Chief Scientist of the Ministry of Economy of the State of Israel, or the OCS). The Company is committed to pay royalties to the Authority at the rate of 3.5% of sales of products resulting from research and development partially financed by the Authority. The amount shall not exceed the grant amount received, linked to the dollar, including accrued interest at the LIBOR rate. The obligation to pay these royalties is contingent on actual sales of the products and in the absence of such sales, no payment is required.

During the years ended December 31, 2014, 2015 and 2016 the Company received \$16,330, \$0 and \$0, respectively. During 2014, 2015 and 2016, the Company paid royalties to the Authority in the amount \$1,147, \$1,621 and \$2,109, respectively.

As of December 31, 2016, the Company and its subsidiary received from the Authority grants in the amount of \$1,009,506 (including interest). The Company’s total contingent liability (including interest) with respect to royalty-bearing participation received, net of royalties paid, amounted to \$1,354,412 as of December 31, 2016.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 7:- COMMITMENTS AND CONTINGENT LIABILITIES (Cont.)

- b. In September 2009, the Company entered into a License Agreement with Ramot - Tel Aviv University ("Ramot") for a joint research program. The program was approved by the Magnetron committee of the Authority. The Magnetron program supports cooperative research programs between industry and academia and encourages the transfer of technology from academic institutions to commercial firms. Under the terms of the Magnetron program, the Company received from the Authority an aggregate amount of NIS 1,467,683 (approximately \$382 thousand at December 31, 2016), and no royalties are payable to the Authority with respect to this program. Pursuant to the terms of the License Agreement, the Company was required to fund the research and development of the technology subject to such agreement during the research period (two years starting September 2009) in a total amount of NIS 1,077,000 (\$280 thousand at December 31, 2016). In addition, the Company issued to Ramot warrants to purchase 117,209 ordinary shares. The warrants are exercisable until the occurrence of an exit event, as defined in the agreement, at an exercise price of NIS 0.01 per share.

In return, the Company was required to pay to Tel Aviv University royalties of between 3.4% and 3.9% on all net sales of any product, component, device or material that is used in the preparation of coated substrates meeting certain specifications ("Licensed Film") and services resulting from the license; and royalties of between 2.4% and 3.0% on all net sales of Licensed Film products and services, and a sublicense fee at a rate of 25% of all sublicense fees the Company receives with respect to the intellectual property developed under such agreement. The royalties and sublicense fees may be creditable against the annual license fee due to Ramot in such calendar year and the following calendar year, in the amount of \$20,000 in the three years that follow the research period, \$50,000 for the fourth, fifth and sixth years and \$75,000 from the seventh year. License fees in the amount of \$20,000, \$20,000 and \$0 were paid in 2014, 2015 and 2016, respectively. As of December 31, 2016, revenues related to the license agreement had not yet started.

On January 4, 2016, Ramot provided the Company with a notice of termination of the License Agreement due to failure to meet the development milestones. The termination of the agreement was effective on January 4, 2016. No fees were due with respect to 2016.

- c. In December, 2011, the Company signed a research and development agreement with the Israeli Ministry of National Infrastructures, Energy and Water Resources. Pursuant to the agreement, the ministry will fund up to 62.5% of the Company's expenses related to the approved program up to a maximum amount of NIS 625,000 (\$163 thousand at December 31, 2016), in exchange for the Company's agreement to pay royalties of 5% of any revenues generated from the intellectual property generated under the program. The period of the program was 18 months starting January 1, 2012.

During the years 2014, 2015 and 2016 the Company received \$13,483, \$0 and \$0, respectively. During the years ended December 31, 2015 and 2016, the Company accrued royalties in the amount of \$116 and \$281, respectively.

As of December 31, 2016, the aggregate contingent liability to the Israeli Ministry of National Infrastructures, Energy and Water Resources amounted to \$178,559.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 7:- COMMITMENTS AND CONTINGENT LIABILITIES (Cont.)

- d. In October 2010, the Company entered into a Convertible Bridge Financing Agreement with IEC and, as part of the agreement, the Company committed to pay IEC royalties equal to 2% of the total net sales of the Company's products and service revenues from the product developed and manufactured through this agreement, up to a cap of NIS 8,000,000 (\$2,081 thousand at December 31, 2016).

During the years ended December 31, 2015 and 2016, the Company accrued royalties in the amount of \$4,336 and \$3,577, respectively.

- e. In connection with previously made acquisition of Nano Size, the Company is obligated to pay 3% from future sales and 10% of sublicense fees derived from Nano Size's intellectual property, until the aggregate consideration amounts to \$1,400,000. The consideration included a minimum consideration of \$60,000 which was paid during 2011, and will be off set against future royalty payments which will be payable by the Company from sales of products and services.

- f. On March 11, 2013, the Company entered into a Joint Venture Agreement for the establishment of a joint venture in China. The closing conditions in the Joint Venture Agreement have not been met, and the parties resolved to dissolve the joint venture. The Company received from one of the parties to the Joint Venture Agreement, a payment demand for reimbursement of expenses. The Company disputes the claim but has offered to settle the claim, and recorded a provision in an amount that according to management's assessment is sufficient to settle the claim.

- g. In September 2012, the Company entered into a Know-How License Agreement with IKTS, pursuant to which the Company purchases from Fraunhofer Institute ("IKTS") certain additives. The Company has the right to receive the production file and knowhow to its chosen manufacturer, in consideration for payment to IKTS of royalties of €25 (\$26 at December 31, 2016) per kilo of the ingredients not manufactured by IKTS. In addition, as of December 31, 2016, the Company is obligated to pay IKTS a minimum annual royalty amount deductible against royalties.

During the year ended December 31, 2014, 2015 and 2016, the Company recorded royalty expenses in the amount of \$5,184, \$2,177 and \$2,202, respectively.

- h. In May 2014, the Company entered into an agreement with XaarJet Limited, or Xaar, a producer of printer heads. Once the first ink (Silver Nano-Particle Ink) is certified by Xaar, the Company will be required to pay Xaar a fee for all certified inks sold for use with Xaar print heads as follows: 2% of the certified ink price until the cumulative value of the fees received by Xaar exceeds £50,000 (\$61 thousand at December 31, 2016), and thereafter, 1% of the certified ink price. Once the cumulative value of the fees received by Xaar with respect to all products exceeds £1,000,000 (\$1,229 thousand at December 31, 2016), the Company and Xaar have agreed to review the percentage payable in the light of the prevailing business conditions. As of December 31, 2016, no such sales commenced.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 8:- TAXES ON INCOME

a. Tax rates:

Taxable income is subject to the Israeli corporate tax at the rate as follows: 2016 - 25%, 2014 and 2015 - 26.5%.

In December 2016, the Israeli Parliament approved the Economic Efficiency Law (Legislative Amendments for Applying the Economic Policy for the 2017 and 2018 Budget Years), which reduces the corporate income tax rate to 24% effective from January 1, 2017 and to 23% effective from January 1, 2018.

Israeli companies are generally subject to Capital Gains Tax at the corporate tax rate.

b. Net operating losses carryforwards:

As of December 31, 2016, the Company has accumulated losses for tax purposes in the amount of \$7.6 million which may be carried forward and offset against taxable income for an indefinite period.

As of December 31, 2016, the Company's subsidiary has accumulated losses for tax purposes in the amount of \$4.4 million which may be carried forward and offset against taxable income for an indefinite period.

c. Accounting for uncertainty in income taxes:

For the years ended December 31, 2014, 2015 and 2016, the Company did not have any unrecognized tax benefits and no interest and penalties related to unrecognized tax benefits had been accrued. The Company does not expect that the amount of unrecognized tax benefits will change significantly within the next 12 months.

d. Tax assessments:

Tax reports filed by the Company and the Company's subsidiary through the year ended December 31, 2011 are considered final.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 8:- TAXES ON INCOME (Cont.)

e. Deferred taxes on income:

Significant components of the Company's deferred tax assets are as follows:

	December 31,	
	2015	2016
Deferred tax assets		
Operating loss carryforward	\$ 2,784,560	\$ 2,767,407
Temporary differences	161,500	150,883
Total deferred tax assets	2,946,060	2,918,290
Valuation allowance	(2,946,060)	(2,918,290)
Net deferred tax assets	<u>\$ -</u>	<u>\$ -</u>

The net change in the total valuation allowance for the year ended December 31, 2016 primarily relates to an increase in deferred taxes on NOLs for which a full valuation allowance was recorded. The change in corporate income tax rate decreased valuation allowance (Refer to note 8a). In assessing the likelihood that deferred tax assets will be realized, management considers whether it is more likely than not that some or all of the deferred tax assets will not be realized. The ultimate realization of deferred tax assets depends on the generation of future taxable income during the periods in which those temporary differences and tax loss carryforwards are deductible.

f. Reconciliation of the theoretical tax benefit and the actual tax expense:

	Year ended		
	December 31,		
	2014	2015	2016
Loss before tax benefit	<u>\$ (2,164,368)</u>	<u>\$ (1,773,655)</u>	<u>\$ (1,621,400)</u>
Statutory tax rate	<u>26.5%</u>	<u>26.5%</u>	<u>25%</u>
Income tax benefit	573,557	470,019	405,350
Effect of:			
Losses and timing differences for which valuation allowance was provided, net	(112,002)	(463,890)	(347,128)
Foreign exchange differences (*)	(286,106)	(10,104)	-
Non-deductible expenses and other permanent differences	(162,870)	(482)	(27,055)
Other	(12,579)	4,457	(31,167)
Income tax expense recognized in profit or loss	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

(*) Results for tax purposes are measured under measurement of results for tax purposes under the Income Tax (Inflationary Adjustments) Law, 1985, in terms of earnings in NIS. As explained in Note 2b, the financial statements are measured in U.S. dollars. The difference between the annual change in the NIS/dollar exchange rate causes a difference between taxable income and the income before taxes shown in the financial statements. In accordance with ASC 740-10-25-3(F), the Company has not provided deferred income taxes in respect of the difference between the functional currency and the tax bases of assets and liabilities.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 9:- SHARE CAPITAL

a. Issuance of ordinary shares:

1. In November 2014, the Company converted, immediately prior to the consummation of the Private Placement, 8,624,145 Preferred A-1, A-2, B-1 and B-2 shares, constituting its entire issued Preferred Share capital, to 8,624,145 ordinary shares, no consideration was provided. In addition, all warrants convertible into preferred shares were replaced to warrants to ordinary shares at 1:1 ratio. Following such conversion, the preferred rights afforded to preferred shareholders have been cancelled, and the Company has one class of shares, of ordinary shares par value NIS 0.01 each. As a result of the conversion, the per-share fair value of ordinary shares increased. Under ASC 718-20-10 such a transaction is considered to be an equity restructuring.

In accordance with ASC 718-20-35-6, the Company recorded a compensation expense in the amount of \$376,643 in connection with employee's options and warrants. The Company used the Black-Scholes option pricing model to measure the employees' options and warrants on the conversion date. (the Company used the following assumptions: 0% dividend yield, 54.9% - 64.2% expected volatility, 0.28% - 2.1% risk free rate and 1.4 - 8.5 expected life in years). Additionally, a deemed dividend to other ordinary shareholders was recorded in the amount of \$1.8 million for the year ended December 31, 2014.

In connection with the conversion of the Series 2 Notes, as discussed in note 6a, the Company issued in November 2014, 743,372 units of one ordinary shares and one warrant to purchase an ordinary share.

In November 2014, the Company issued 6.423 ordinary shares for each one outstanding ordinary share held by each of its shareholders, after effecting the increase of its authorized shares by an additional 35,048,750 shares and the conversion of all Preferred Shares into ordinary shares. In the aggregate, the Company issued 9,389,231 ordinary bonus shares post conversion of its share capital for no consideration. In addition, the number of outstanding options, warrants, per share data, exercise price and convertible notes conversion ratio included in these financial statements for all periods presented have been retroactively adjusted to reflect the bonus share issuance (equivalent to a 7.423-for-1 stock split).

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 9:- SHARE CAPITAL (Cont.)

a. Issuance of ordinary shares (Cont.):

2. In November 2014, as part of the Private Placement, the Company issued and sold an aggregate of 1,016,668 units at a price of \$1.50 per unit. Each unit includes one ordinary share and one warrant to purchase an ordinary share at an exercise price of \$1.50 per share. The Company received aggregate net proceeds of \$1,464,921 from the sale of such unit, net of issuance costs of \$60,080. The warrants may be redeemed by their holders, without the control of the Company, upon the occurrence of certain fundamental transactions such as a change in control as defined in the warrant agreement. The warrants are exercisable on a cashless basis under certain circumstances. In accordance with ASC 815, as of December 31, 2015 and 2016, warrants in amount of \$439,607 and \$426,481, respectively (the Company used the following assumptions for 2015 and 2016: 0% dividend yield, 59.3% and 79.3% expected volatility, 1.54% and 147% risk free rate, and 3.9 and 2.9 expected life in years, respectively) were recorded as liabilities. The Company measures the warrants at fair value by using the Black-Scholes option pricing model in each reporting period until they are exercised or expired, with changes in the fair values being recognized in the Company's statement of operations as financial expense (income), net. As the occurrence of certain fundamental transactions defined in the warrant agreement that may lead to liquidation are not expected to occur, the Company classified the warrants in long term liability.

On July 9, 2015, the Company entered into a Standby Equity Distribution Agreement (the "SEDA") with a new investor, pursuant to which the Company may, at its election and sole discretion, issue and sell to the investor, from time to time ordinary shares as provided in the SEDA. The maximum investment amount is \$3,000,000 at a price per share equal to 95% of the lowest daily volume weighted average price of the ordinary shares for the five consecutive trading days following the election date. The Company's ability to purchase shares under the SEDA is subject to, among other things, the qualification of the ordinary shares on the OTCQB and the filing and effectiveness of a registration statement registering for resale the ordinary shares issuable to the investor under the SEDA. Pursuant to the terms of the SEDA, the Company agreed to pay a structuring and due diligence fee in an amount equal to \$15,000 and a commitment fee in an aggregate amount of \$150,000, payable by the issuance of 100,000 ordinary shares. In addition, pursuant to the SEDA, the investor purchased in October 2015 100,000 units, at a purchase price of \$1.50 per unit. Each unit consists of (i) one ordinary share and (ii) a five-year warrant to purchase one ordinary share at an exercise price of \$1.50 per share.

Between July 2015 and December 31, 2015, as part of the Private Placement and the SEDA, the Company issued and sold an aggregate of 296,813 units (which includes the issuance of 100,000 units under SEDA agreement, as described above) at a price of \$1.50 per unit. Each unit includes one ordinary share and one warrant to purchase ordinary share at an exercise price of \$1.50 per share. The Company received aggregate net proceeds of \$445,219 from the sale of such units, net of issuance costs of \$4,285. The warrants may be redeemed by their holders, without the control of the Company, upon the occurrence of certain fundamental transactions such as "change in control" as defined in the warrant agreement. The warrants are exercisable on a cashless basis under certain circumstances.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 9:- SHARE CAPITAL (Cont.)

a. Issuance of ordinary shares (Cont.):

In accordance with ASC 815, as of December 31, 2015 and 2016, warrants in the amount of \$139,680 and \$135,762 (the Company used the following assumptions: 0% dividend yield, 66.8% and 75.8% expected volatility, 1.67% and 1.61% risk free rate, and 5 and 3.63 expected life in years, respectively) were recorded as liability. The Company measures the warrants at fair value by using the Black-Scholes option pricing model in each reporting period until they are exercised or expired, with changes in the fair values being recognized in the Company's statement of operations as financial expense (income), net. As the occurrence of certain fundamental transactions defined in the warrant agreement that may lead to liquidation are not expected to occur, the Company classified the warrants in long term liability.

3. Between January and October 2016, as part of the Private Placement, the Company issued 374,001 units at a price of \$1.50 per unit. Each unit consists of (i) one ordinary share and (ii) a five-year warrant to purchase one ordinary share at an exercise price of \$1.50 per share. The Company received aggregate net proceeds of \$561,000 from the sale of such units, net of issuance costs of \$9,709. The warrants may be redeemed by their holders, without the control of the Company, upon the occurrence of certain fundamental transactions such as "change in control" as defined in the warrant agreement. The warrants are exercisable on a cashless basis under certain circumstances.

In accordance with ASC 815, warrants in the amount of \$183,260 (the Company used the following assumptions: 0% dividend yield, 68.11% expected volatility, 1.14% risk free rate and 5 expected life in years) were recorded as liability. The Company measures the warrants at fair value by using the Black-Scholes option pricing model in each reporting period until they are exercised or expired, with changes in the fair values being recognized in the Company's statement of operations as financial expense (income), net. As the occurrence of certain fundamental transactions defined in the warrant agreement that may lead to liquidation are not expected to occur, the Company classified the warrants in long term liability. As of December 31, 2016 the fair value of the warrants amounted to \$182,041.

4. On July 7, 2016, the board approved an internal equity investment round in an aggregate amount of up to \$900,000 at a price per Ordinary Share of \$0.75, to be raised from existing shareholders. The investment round resulted in the issuance of 860,000 Ordinary Shares in consideration for an aggregate investment amount of \$645,000.

In connection with the conversion of the Additional Notes, as discussed in note 6b, the Company issued in July 2016, 274,667 Ordinary Shares.

5. During 2016 Company's founders paid \$777 owed to Company due to shares issued to them upon inception.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 9:- SHARE CAPITAL (Cont.)

b. Rights of ordinary shares:

Ordinary shares confer upon their holders the rights to elect all of the directors of the Company, to participate and vote in the general meetings of the Company, to receive dividends, if and when declared, subject to the payment in full of all preferential dividends to which the holders of the Preferred Share are entitled under the Company's articles of association and to participate in the distribution of the surplus assets and funds of the Company in the event of liquidation, subject to the liquidation preference of the Preferred Shares (if any). Each ordinary share entitles its holder to one vote on all matters submitted to a vote of the Company's shareholders.

c. Stock option plan:

Under the Company's 2010 option plan, options may be granted to officers, directors, employees, consultants and service providers of the Company.

The vesting period of the options is subject for Board approval and can vary from grant to grant. Options vest over a period of zero to three years from date of grant. Any options that are cancelled or forfeited before expiration become available for future grants. The options may be exercised for a period of seven years from grant.

The total number of shares available for future grants as of December 31, 2016 was 386,923.

A summary of the Company's stock option activities and related information for the year ended December 31, 2016, is as follows:

	<u>Number of options</u>	<u>Weighted average exercise price</u>	<u>Weighted average remaining contractual term</u>	<u>Aggregate intrinsic- value</u>
Outstanding at the beginning of the year	1,021,917	\$ 0.51		
Granted	75,000	0.92		
Exercised	(59,922)	*)		
Options forfeited	(200,481)	0.32		
Outstanding at the end of the year	<u>836,514</u>	<u>\$ 0.63</u>	<u>3.63</u>	<u>\$ 318,326</u>
Exercisable as of December 31	<u>745,885</u>	<u>\$ 0.59</u>	<u>3.36</u>	<u>\$ 309,867</u>

*) Represent amount lower than \$0.01

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 9:- SHARE CAPITAL (Cont.)

c. Stock option plan (Cont.):

The options granted to officers, directors, employees, consultants and service providers of the Company which were outstanding as of December 31, 2016 have been classified into exercise prices as follows:

Exercise price	Outstanding		Exercisable	
	Number of options	Weighted average remaining contractual life (years)	Number of options	Weighted average remaining contractual life (years)
*)	230,425	3.4	230,425	3.4
\$0.45	63,097	0.7	63,097	0.7
\$0.92	542,992	4.1	452,363	3.7
	<u>836,514</u>		<u>745,885</u>	

*) Represent amount lower than \$0.01

As of December 31, 2016, the total compensation cost related to options granted to employees, consultants and service providers, not yet recognized, amounted to \$29,981 and is expected to be recognized over a weighted average period of 1.08 years.

d. Stock based compensation amounted to \$382,595, \$8,788 and \$52,389 in 2014, 2015 and 2016, respectively, and were recorded as follows:

	Year Ended December 31,		
	2014	2015	2016
Cost of Revenues	\$ 2,134	\$ 107	\$ (99)
Research and Development	202,769	2,597	8,828
Sales & Marketing	28,458	839	7,220
General and Administrative	149,234	5,245	36,440
	<u>\$ 382,595</u>	<u>\$ 8,788</u>	<u>\$ 52,389</u>

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 9:- SHARE CAPITAL (Cont.)

- e. The Company's outstanding warrants classified as equity as of December 31, 2016 are as follows:

<u>Issuance date</u>	<u>Outstanding</u>	<u>Exercise price</u>	<u>Exercisable through</u>
2009	117,209	(***)	Exit event
2011	6,546	\$ 0.92	2017
2012	28,637	\$ 0.92	(*)
2013	59,384	\$ 0.92	2023
2013	8,182	\$ 0.92	(*)
2014	51,096	\$ 1.50	(*)
2015	4,337	\$ 1.50	(**)
2016	7,832	\$ 1.50	(**)
2016	333	\$ 0.75	(**)
	<u>283,556</u>		

- *) The earlier of: 5 years from the issuance date or the consummation of IPO or M&A Transaction.
 **) The earlier of: 2 years from the issuance date or the consummation of IPO or M&A Transaction
 ***) Represent amount lower than \$0.01

All warrants are exercised to ordinary shares. The exercise price of the warrants and the number of shares issuable thereunder is subject to standard anti diluted features, including dividends, stock splits, combinations and reclassifications of the Company's capital stock. In accordance with ASC 815, "Derivatives and Hedging", the warrants were classified as an equity instrument.

- f. In July 2014, the Company entered into an agreement with one of its shareholders according to which the Company issued to the shareholder, in November 2014, upon the initial closing of the Private Placement, a warrant to purchase up to 120,000 ordinary shares at an exercise price of \$0.92 per share (or lower if the price per share paid by the investors in the Private Placement is lower than \$1.44). The warrants are exercisable until the first to occur of an M&A Event or the completion by the Company of a public offering. As the exercised price is subject to changes, in accordance with ASC 480, as of December 31, 2015 and 2016 the Company classified the warrants as liabilities in the amount of \$61,200 (the Company used the following assumptions: 0% dividend yield, 78% expected volatility, 1.19% and 1.34% risk free rate, respectively, and 2.5 expected life in years). The Company measures the warrants at fair value by using the Black-Scholes option pricing model in each reporting period until they are exercised or expired, with changes in the fair values being recognized in the Company's statement of operations as financial expense (income).

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 9:- SHARE CAPITAL (Cont.)

In addition, the Company issued the investor, a cash settled capital note in the aggregate principal amount of \$100,000, which becomes due and payable upon the earlier to occur of: (i) an M&A Transaction, (ii) a qualified IPO (as defined in the agreement) or (iii) an equity financing by the Company resulting in aggregate gross proceeds of at least \$6,000,000. The Company elected to present the capital note at fair value in accordance with ASC 825, in the amounts of \$43,568 and \$45,493 as of December 31, 2015 and 2016, respectively. As the Company does not expect the capital note to become due in the following 12 months it presented the capital note as a long term liability.

NOTE 10:- WARRANTS PRESENTED AT FAIR VALUE

The warrants issued in the November 2014 Private Placement to the new investors and the Series 2 lenders (as discussed in Note 9a), may be redeemed by their holders, without the control of the Company, upon the occurrence of certain Fundamental Transactions defined in the warrant agreement, mainly transactions involving a change in control of the Company, consolidation or merger with or into another entity; sale of all or substantially all of its assets, sale of 50% of its shares, etc. The warrants redemption price shall be a cash amount equal to the Black-Scholes value thereof, determined as of the day immediately following the public announcement of the applicable Fundamental Transaction, or, if the Fundamental Transaction is not publicly announced, the date the Fundamental Transaction is consummated. The warrants may be exercisable on a cashless basis at any time including if the Company fails to comply with its registration obligations. The exercise price and the number of warrant shares will be subject to adjustment upon the occurrence of certain events, including stock dividends, stock splits, combinations and reclassifications of the Company's capital stock. In accordance with ASC 480 the warrants were classified as liability.

The Company's outstanding warrants classified as a liability as of December 31, 2016 are as follows:

<u>Outstanding</u>	<u>Exercise price</u>	<u>Exercisable through</u>	<u>Fair value</u>	
1,016,668	\$ 1.5	2019	\$ 426,481	Refer to Note 9a
743,372	\$ 1.5	2019	311,837	Refer to Note 6a
120,000	\$ 0.92(*)	(**)	61,200	Refer to Note 9f
296,813	\$ 1.5	2020	135,762	Refer to Note 9a
374,001	\$ 1.5	2021	182,041	Refer to Note 9a
<u>2,550,854</u>			<u>\$ 1,117,321</u>	

(*) Subject to changes as describe in the agreement.

(**) M&A or qualified IPO as described in the agreement.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 11:- FINANCIAL EXPENSES (INCOME), NET

	Year ended December 31,		
	2014	2015	2016
Financial income:			
Change in fair value of warrants and capital note presented at fair value	\$ -	\$ (19,278)	\$ (25,936)
Foreign exchange gain, net	(9,933)	-	-
Financial expenses:			
Change in fair value of warrants and capital note presented at fair value	235,382	-	-
Beneficial conversion feature related to bridge financing notes	-	-	74,160
Foreign exchange loss, net	-	8,111	17,982
Other	11,112	10,073	14,430
	<u>\$ 236,561</u>	<u>\$ (1,094)</u>	<u>\$ 80,636</u>

NOTE 12:- ADDITIONAL INFORMATION TO THE STATEMENTS OF OPERATIONS

Geographic information:

Revenues reported in the financial statements derive from the Company's country of domicile (Israel) and foreign countries based on the location of the customers, are as follows:

	Year ended December 31,		
	2014	2015	2016
Israel	\$ 23,128	\$ 9,632	\$ 18,903
Germany	12,037	9,350	16,040
France	6,621	8,681	7,126
Holland	5,836	1,740	4,936
Austria	1,494	14,967	1,135
United states	4,212	11,395	16,935
Other	4,523	12,567	13,006
	<u>\$ 57,851</u>	<u>\$ 68,332</u>	<u>\$ 78,081</u>

All of the Company's long-lived assets are located in Israel.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

U.S. dollars

NOTE 13:- RELATED PARTY TRANSACTIONS

In 2012, the Company entered into a business development services consultancy agreement with one of its board of director members. In 2013, under the consultancy agreement, the Company granted fully vested options to purchase up to an aggregate of 263,517 ordinary shares at an exercise price of \$0.917 per share. The options are exercisable for a period of seven years from the date of grant. In 2013 and 2014, the Company recorded \$1,065 and \$86,961, respectively, general and administrative expenses in connection with the consultancy agreement. The above director resigned from the board on October 19, 2015. No expense was recorded with respect to this agreement in 2015 and 2016.

NOTE 14:- SUBSEQUENT EVENTS

- a. Between February and May 2017 the Company extended the Private Placement for a total amount of \$80,000. The Company issued 53,333 units at a price of \$1.50 per unit to existing and new investors. Each unit consists of (i) one Ordinary Share and (ii) a five-year warrant to purchase one ordinary share at an exercise price of \$1.50 per share with the same terms and conditions as discussed in note 9a.
- b. On March 22, 2017 the Company received a loan for a principal amount of \$162,000 from new investors according to a promissory note executed between the parties. In connection with the loan, commitment fees in the total amount of \$12,000 were deducted from the consideration received. The loan bears an interest rate of 12% annually, which must be repaid in five equal monthly installments, commencing on May 31, 2017 and ending on September 30, 2017, subject to any early repayment in accordance with the terms set forth in the promissory note. In addition, pursuant to the loan agreement, the investor received a five-year Warrant to purchase up to 75,000 Ordinary Shares, at an exercise price of \$1.50 per share.
- c. In April 2017, the Company issued 60,000 restricted Ordinary Shares and 12,500 Ordinary Shares to service providers.

Employment Agreement

By and Between:

P.V. NanoCell Ltd., of Hamasger St 8, Migdal Ha'emek (the "**Company**"); and

Adva Bar-On, I.D. 055336010_ of Habrosh 73, Ezer (the "**Employee**").

1. Employment Agreement

1.1 The parties confirm that as of **15th of March, 2016** (the "**Effective Date**"), the Employee shall be a full time employee of the Company, under the terms herein.

The position of the Employee shall be: **VP R&D**

The Employee shall report to the Company's CEO.

The Company may approve a change in the position, reporting structure, title, responsibilities and authority of the Employee; and such change shall not be considered a breach of this Agreement provided, however, that Employee's remuneration shall not be derogated from.

1.2 The Employee agrees to dedicate the Employee's time, experience, talent, expertise and knowledge to the Company, and to fulfill the Employee's job in the Company in a loyal and dedicated manner, and in accordance with the policies, codes and instructions of the Employee's superiors in the Company.

1.3 During the period of this Agreement, the Employee shall not engage in any professional activity, commercial or otherwise, unless consented to by the Company in writing. Such approved activity may not intrude with the Employee's work in the Company in terms of time schedule (to the extent agreed upon herein), conflict of interests or competition.

1.4 The Employee is not allowed to obligate and/or bind the Company in any way and/or create any commitments, except as expressly authorized.

1.5 All reasonable procedures and directives of the Company applicable to subjects of work behavior, discipline etc., will have a binding effect on the Employee provided, however, that such policies have been brought to the Employee's attention in advance. The Employee hereby confirms that: (i) no compensation or remuneration from any third party has been or shall be given with respect to the Employee's employment with the Company; and (ii) the Employee shall not accept from any third party any gifts, gratuities, kickbacks or bribes.

1.6 This Agreement forms the complete and exclusive agreement between the parties as to its subject matter; and it cancels any prior verbal or written agreement related thereto. Any change to this Agreement requires a duly signed document.

1.7 Failure or delay of either party to require the performance of any term under this Agreement, or the waiver by either party of any breach under this Agreement, shall not prevent subsequent enforcement of such terms, nor be deemed a waiver of any subsequent or prolonged breach.

1.8 The amount and details of the Employee's salary and other benefits are confidential. This information may not be disclosed by the Employee to other employees nor may such information be published to people who are not authorized by the Company, unless legally required to do so.

2. Remuneration

2.1 Salary: the Employee's gross salary will be **NIS 25,600** per month (the "**Salary**").

2.2 Overtime payment: Notwithstanding the above, the parties confirm that the Employee's job will require overtime work and work at irregular hours, without the need to approve each such hour. In consideration thereof, the Company will pay the Employee a gross sum of **NIS 6,400** per month (the "**Global Overtime Payment**"), which the parties estimate to be a fair average compensation for the overtime work and work at irregular hours per each month of employment, provided that, the Employee does not work more than 43 overtime hours per month (the "Ceiling").

The Employee will be allowed to work over the above Ceiling **only with the prior written approval of the Company's CEO** per each month in which such additional above the Ceiling overtime hours are required.

Subject to receiving the CEO's above prior approval per each month, overtime hours beyond the Ceiling, will entitle the Employee to receive compensation as required by law.

If the Employee or any third party on the Employee's behalf file a claim against the Company for payment on overtime hours which exceed the terms set forth in this Section 2.2, the Company shall be entitled to offset the entire Global Overtime Payment that it had paid to the Employee against any sums ruled in favor of the Employee in such claim.

2.3 The Salary and the Global Overtime Payment will be payable until the 10th of each month for the previous month. All benefits due to the Employee as set forth in this Agreement or by law shall be provided on the Salary and the Global Overtime Payment, but not on payment due to overtime hours exceeding the Ceiling. Taxes, social security payments, social benefits and other obligatory payments which are to be borne by the Employee according to applicable laws and regulations - will be deducted from all the above payments.

2.4 The parties confirm that the Employee's job will require work at long and irregular hours including extensive travel and the compensation for such work is included in the aforesaid Salary and Global Overtime Payment and the other terms of this Agreement.

- 2.5 Benevolent Fund - Bituach Menaholim: the Company will pay up to a maximum of 15.83% of the Salary and Global Overtime Payment each month into a mutually defined fund (consisting of 8.33% for severance pay, 5% for pension and up to 2.5% for disability insurance and/or sickness insurance), and the Employee will pay into this plan 5% of the Employee's Salary and Global Overtime Payment. As agreed the distribution will be corrected according to the insurance agent instructions but not more than 15.83%. See attached file: טופס פיצול שכר

The parties agree to apply the terms of Annex "A" hereto according to Section 14 to the Severance Pay act of 1963. Subject to Section 2.2 to the agreement set forth in Annex A, the Company commits to transfer the ownership of the fund to the Employee upon termination or resignation.

- 2.6 Study Fund - Keren Hishtalmut: the Company will pay 7.5% of the Salary and Global Overtime Payment each month into a mutually defined fund, and the Employee will pay into this fund 2.5% of the Employee's Salary and Global Overtime Payment. The Company commits to transfer the ownership of the fund to the Employee upon termination or resignation.
- 2.7 Vacation Days, Sick Leave, Travel Expenses & D'mei Havraa: the Employee is entitled to 18 vacation days per year for the first year and 22 from the second year on, sick leave from the first day, and 14 days D'mei Havraa per year.
- 2.8 Expenses: the Employee will be reimbursed for out of pocket expenditures related to the Employee's work, in accordance with Company's procedures.
- 2.9 Car expenses: the Company will pay the Employee an amount of NIS 4000 per month to cover the Car Expenses, and Dalkan and Kvish 6 expenses.
- 2.10 The Company will give the Employee Options (in the framework of the company's Option Plan) as to be determined and approved by the Company's Board of Directors.
- 2.11 The Company will provide a phone and computer to the Employee and cover the expenses.

3. Secrecy and Non-Compete Provisions

- 3.1 In this chapter 3 below, the term "**Group**" shall mean the Company and its subsidiaries and affiliates as currently exist and as may exist in the future.
- 3.2 Any proprietary business, commercial or technical information related to the Group's knowhow, inventions, technology, products, marketing, business plans, investment strategies, negotiations and any other commercial or technical information (collectively referred to as "**Knowhow**"), whether protected, patentable or patented or not and whether subject to any other legal protection or not, arising out of the Employee's or others' work for the Group, shall be the exclusive property of the Group. The Employee will promptly submit to the Company full details related to the Knowhow; and will execute patent applications and assignments as may be requested by the Company (whether during or after the employment period) to confirm and register the Group's ownership thereof. It is hereby clarified, that Employee's obligations as specified in this section above shall be valid only regarding Knowhow which has been created or discovered during the term of Employee's employment by the Company.

- 3.3 Any and all information known to the Employee due to the Employee's work in the Company, which constitutes, or is directly related to trade secrets, commercial relations, actual and potential clients and suppliers, technology and products, investments, prospective investment negotiations, Knowhow and any other information of a proprietary or confidential nature, of the Group, will hereinafter be together referred to as "**Information**". Information may include commercial, technical, marketing, financial, administrative and management subjects. The Information and any part thereof are and shall be the exclusive property of the Group.
- 3.4 The Employee will not use any part of the Information, nor disclose or make it available to others, unless in the line of the Employee's job in the Company or if required by judicial or governmental authority. The Employee shall be obliged to notify the Company of the requirement to so disclose such Information as soon as such demand is made upon her and before any disclosure of the Information.
- 3.5 The Employee recognizes that the Company received and will receive confidential or proprietary information from third parties subject to a duty on the Group's part to maintain the confidentiality of such information and to use it only for certain limited purposes. At all times, both during the Employee's employment and after its termination, the Employee undertakes to keep and hold all such information in strict confidence and trust, and the Employee will not use or disclose any of such information without the prior written consent of the Company, except as may be necessary to perform the Employee's duties as an employee of the Company and consistent with the Company's agreement with such third party. Upon termination of the Employee's employment with the Company, the Employee shall act with respect to such information as set forth in Section 3.7 hereunder.
- 3.6 The foregoing provisions will survive the termination of this Agreement.

However, these provisions shall not apply to Information which is in the public domain or becomes in the public domain through no wrongful doing of the Employee, which may have been lawfully received from a third party not bound by confidentiality to the Company, or has already been known to Employee not due to the Employee's work in the Company.

3.7 Upon termination of the employment hereunder, the Employee shall immediately return to the Group all materials of any kind (whether in written or electronic form, computer files or otherwise) concerning the Information, including all copies thereof, and the Employee shall not retain any copies of such materials.

3.8 Without prejudice to the generality of the foregoing, the Employee agrees that during the period of this Agreement plus a “Freeze Period” (as defined below) after the termination - for any reason - of the Employee’s employment the Employee will not, directly or indirectly, for the Employee’s own account or for the account of others (including without limitation as a stockholder, director, officer, investor, partner, employee, sole proprietor, independent contractor or consultant), do or participate or assist or allow to do any of the following:

- (a) engage in any business in direct competition with the business of the Company (engaging in the same business of the subsidiaries or affiliates of the Company or other entities of the Group, in which the Employee was not involved, and to which the Employee was not exposed in any way due to the Employee’s work in the Company, is permitted, and shall not be deemed to constitute a direct competition);
- (b) request or advise any past, present or future business associate of the Group to decrease or cancel their business with the Group;
- (c) cause any employee of the Group to terminate his/her employment with the Group or to work for the Employee or for any party associated with the Employee.

The “Freeze Period” shall be equal in length to the employment period hereunder, but in any case not shorter than 6 months and not longer than 12 months.

The parties confirm that during the employment hereunder, the Employee is more than likely to be exposed to the Information of the Group; and that any activity as forbidden under subsections (a), (b) and (c) above is bound to breach the rights of the Company in connection with such Information; and therefore the parties agree that the Freeze Period is intended to ensure such rights of the Group.

3.9 The Employee confirms that the Employee does not bring and was not required to bring to the Group any proprietary materials of third parties and that the Employee is under no restrictions relevant to the fulfillment of the Employee’s job in the Company, whether by virtue of former employment, business dealings or otherwise. The Employee further confirms that the Employee has not retained in the Employee’s possession any material (whether in written, electronic form, computer files or otherwise containing) any confidential information from any prior employer or other third party which is competitive with or related to or can be used in the business of the Group, whether or not created by her.

- 3.10 The Employee recognizes and agrees that the Employee has no expectation of privacy with respect to the Company's networks, telecommunications systems or information processing systems (including, without limitation, stored computer files, electronic mail messages and voice messages), and that the Employee's activity and any files or messages on or using any of those systems may be monitored at any time by the Company without notice.
- 3.11 The Employee acknowledges and agrees that a breach of any material provision of this chapter 3 might cause the Group substantial and irreparable harm.

4. Period of Employment

- 4.1 This Agreement is made for a period of one year (automatically renewable if not agreed otherwise by the parties) subject to the right of each party, at any time, to terminate it by giving prior notice: (i) 1 months prior notice, for the initial 6 months employments and then 2 months prior notice, if termination is provided by either party at will; or (ii) immediately - if termination is made for cause.

The term "**cause**" in this agreement shall be defined as any of the following events or acts of the Employee: (a) a material breach of agreement which has not been remedied within 14 days of written notice, (b) breach of confidence, loyalty or unauthorized disclosure or use of the Group's or third parties intellectual properties, (c) serious and continuing breach of work behavior rules, (d) continuing and unjustified refusal to carry out work assignments, (e) self-dealing, embezzlement or misappropriation of the Company's property or serious damage to the Company's property which is intentionally caused, (f) gross negligence or misconduct, (g) criminal behavior as determined by a court of law except traffic violations.

- 4.2 The Company shall have the right to terminate the Agreement immediately without cause, provided however that it pays to the Employee the entire amount due to her for the entire notice period due on the termination date.
- 4.3 Except as provided by law, termination of this Agreement is without liability of the Company for any claims or payments beyond those earned or accrued in the course of the employment hereunder; and the Employee hereby waives any and all such claims towards the Company, its parent company and any other third party.
- 4.4 This Agreement shall come into effect only upon the Effective Date provided the Employee reports to work at such time.

And in Witness, the parties sign and execute this Agreement, on this 15 day of March, 2016

/s/ P.V. NanoCell Ltd
P.V. NanoCell Ltd

Adva Bar-On

טופס פיצול שכר

תקיימה בין הלקוח אדוה בר-און ת"ז 055336010 מחברת סטרטסיס לבין סוכן הביטוח גיברלטר מיטל
ות לביטוח בע"מ

על פי החלוקה הבאה החל מתאריך 01.12.15 בגין שכר 11.15

מספר מ"ה	חברת הביטוח	הצמדה חלוקה	שכר לתוכנית	מספר פוליסה	פיצויים	תגמולי מעביר	אכ"ע מעביר	שונות מעביר	תגמולי עובד	אכ"ע עובד	סעיף 47	שונות עובד
168	מבטחים החדש	שכר קבוע	19100	55336010	8.33%	6%			5.5%			
	הפניקס חברה לביטוח בע"מ	יתרת שכר	15701	3297993010			0.5%					
	הראל חברה לביטוח בע"מ	יתרת השכר	17900	919449134	8.33%	5%			5%			
	הראל חברה לביטוח בע"מ	שכר קבוע	20996	919449134			0.80%					

אנו מודים לך על שיתוף הפעולה והתמיכה במהלך כל השנה. אנחנו נשמח לשמוע ממך על דרכי שיפור שירותנו.

CERTIFICATION

I, Fernando de la Vega, certify that:

1. I have reviewed this Annual Report on Form 20-F of P.V. Nano Cell Ltd.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the Company as of, and for, the periods presented in this report;
4. The Company's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the Company and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Company, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the Company's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the Company's internal control over financial reporting that occurred during the period covered by the annual report that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting; and
5. The Company's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Company's auditors and the audit committee of the Company's board of directors (or persons performing the equivalent function):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Company's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the Company's internal control over financial reporting.

By: /s/ Fernando de la Vega
Fernando de la Vega
Chief Executive Officer

By: /s/ Fernando de la Vega
Fernando de la Vega
Principal Financial Officer
Date: May 15, 2017

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report of P.V. Nano Cell Ltd. (the "Company") on Form 20-F for the period ending December 31, 2016, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), the undersigned hereby certify that to the best of our knowledge:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operation of the Company.

By: /s/ Fernando de la Vega
Fernando de la Vega
Chief Executive Officer

By: /s/ Fernando de la Vega
Fernando de la Vega
Principal Financial Officer
Date: May 15, 2017

The certification set forth above is being furnished as an exhibit solely pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 and is not being filed as part of the Annual Report on Form 20-F for the period ended December 31, 2016, or as a separate disclosure document of the Company or the certifying officers.