

BOS BETTER ONLINE SOLUTIONS LTD

Form 20-F

April 01, 2019

As filed with the Securities and Exchange Commission on April 1, 2019

**UNITED STATES**

**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, 2018**

**or**

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

**For the transition period from \_\_\_\_\_ to \_\_\_\_\_**

or

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

Date of event requiring this shell company report \_\_\_\_\_

Commission file number: 001-14184

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

(Exact name of Registrant as specified in its charter)

**ISRAEL**

(Jurisdiction of incorporation or organization)

**20 Freiman Street, Rishon LeZion, 7535825, Israel**

(Address of principal executive offices)

**Eyal Cohen, 972-3-9542070, eyalc@boscom.com, 20 Freiman Street, Rishon LeZion, 7535825, Israel**

(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
<b>Ordinary Shares, nominal value NIS 80.00 per share</b>	<b>NASDAQ Capital Market</b>

Securities registered or to be registered pursuant of Section 12(g) of the Act: **None**

Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act: **None**

Indicate the number of outstanding shares of each of the issuer's classes of capital or common stock at the close of the period covered by the annual report:

3,553,714 Ordinary Shares, nominal value NIS 80.00 per share, as of December 31, 2018  
and 3,857,790 Ordinary Shares, nominal value NIS 80.00 per share, as of March 15, 2019.

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 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 Web site, 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

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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or an emerging growth company. See definition of “accelerated filer, large accelerated filer” and “emerging growth company” in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer   Accelerated filer   Non-accelerated filer  
Emerging growth company

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<sup>†</sup> provided pursuant to Section 13(a) of the Exchange Act.

<sup>†</sup> 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

This report on Form 20-F is being incorporated by reference into all effective Registration Statements filed by us under the Securities Act of 1933, as amended, to the extent not superseded by documents or reports subsequently filed or furnished.



### *Forward Looking Statements*

This Annual Report on Form 20-F contains forward-looking statements that are intended to be, and are hereby identified as, forward looking statements for the purposes of the safe harbor provisions of the U.S. Private Securities Litigation Reform Act of 1995. These statements address, among other things: our strategy; the anticipated development of our products; the results of pending and completed acquisitions and our ability to make future acquisitions; our projected capital expenditures and liquidity; our development of additional revenue sources; our development and expansion of relationships; the market acceptance of our products; our technological advancement; our compliance with regulatory requirements; and our ability to operate due to political, economic and security conditions. Actual results could differ materially from those anticipated in these forward-looking statements as a result of various factors, including all the risks discussed below and elsewhere in this report.

We urge you to consider that statements that use the terms “believe”, “do not believe”, “expect”, “plan”, “intend”, “estimate”, “anticipate”, “projections”, “forecast”, “may”, “continue”, “should”, “predict”, “potential” or the negative of these terms or similar expressions are intended to identify forward-looking statements. These statements reflect our current views with respect to future events. These statements are based on assumptions and are subject to risks and uncertainties. These risk factors and uncertainties include, amongst others, the dependency of sales being generated from one or few major customers, the uncertainty of BOS being able to maintain current gross profit margins, inability to keep up or ahead of technology and to succeed in a highly competitive industry, inability to maintain marketing and distribution arrangements and to expand our overseas markets, uncertainty with respect to the prospects of legal claims against BOS, the effect of exchange rate fluctuations, general worldwide economic conditions and continued availability of financing for working capital purposes and to refinance outstanding indebtedness; and additional risks and uncertainties set forth in this Annual Report, including under the heading “Risk Factors.” Except as required by applicable law, including the federal securities laws of the United States, we do not intend to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

Market data and forecasts used in this report have been obtained from independent industry sources that we believe to be reliable. We have not independently verified the data obtained from these sources and we cannot assure you of the accuracy or completeness of the data. Forecasts and other forward-looking information obtained from these sources are subject to the same qualifications and additional uncertainties accompanying any estimates of future market size.

Table of Contents

<b><u>PART I</u></b>	1
<b><u>ITEM 1: IDENTITY OF DIRECTORS, SENIOR MANAGEMENT AND ADVISORS</u></b>	1
<b><u>ITEM 2: OFFER STATISTICS AND EXPECTED TIME TABLE</u></b>	1
<b><u>ITEM 3: KEY INFORMATION REGARDING B.O.S.</u></b>	1
<b><u>ITEM 4: INFORMATION ON THE COMPANY</u></b>	15
<b><u>ITEM 4A: UNRESOLVED STAFF COMMENTS</u></b>	21
<b><u>ITEM 5: OPERATING AND FINANCIAL REVIEW AND PROSPECTS</u></b>	21
<b><u>ITEM 6: DIRECTORS, SENIOR MANAGEMENT AND EMPLOYEES</u></b>	32
<b><u>ITEM 7: MAJOR SHAREHOLDERS AND RELATED PARTY TRANSACTIONS</u></b>	45
<b><u>ITEM 8: FINANCIAL INFORMATION</u></b>	47
<b><u>ITEM 9: THE OFFER AND LISTING</u></b>	48
<b><u>ITEM 10: ADDITIONAL INFORMATION</u></b>	49
<b><u>ITEM 11: QUANTITATIVE AND QUALITATIVE DISCLOSURE ABOUT MARKET RISK</u></b>	61
<b><u>ITEM 12: DESCRIPTION OF SECURITIES OTHER THAN EQUITY SECURITIES</u></b>	62
<b><u>PART II</u></b>	63
<b><u>ITEM 13: DEFAULTS, DIVIDEND ARREARAGES AND DELINQUENCIES</u></b>	63
<b><u>ITEM 14: MATERIAL MODIFICATIONS TO THE RIGHTS OF SECURITY HOLDERS AND USE OF PROCEEDS</u></b>	63
<b><u>ITEM 15: CONTROLS AND PROCEDURES</u></b>	63
<b><u>ITEM 16: [RESERVED]</u></b>	63
<b><u>ITEM 16A: AUDIT COMMITTEE FINANCIAL EXPERT</u></b>	63
<b><u>ITEM 16B: CODE OF ETHICS</u></b>	64



<b><u>ITEM 16C: PRINCIPAL ACCOUNTANT FEES AND SERVICES</u></b>	64
<b><u>ITEM 16D: EXEMPTIONS FROM THE LISTING STANDARDS FOR AUDIT COMMITTEES</u></b>	64
<b><u>ITEM 16E: PURCHASES OF EQUITY SECURITIES BY THE ISSUER AND AFFILIATED PURCHASERS</u></b>	65
<b><u>ITEM 16F: CHANGE IN REGISTRANT’S CERTIFYING ACCOUNTANT</u></b>	65
<b><u>ITEM 16G: CORPORATE GOVERNANCE</u></b>	65
<b><u>ITEM 16H: MINE SAFETY DISCLOSURES</u></b>	65
<b><u>PART III</u></b>	66
<b><u>ITEM 17: FINANCIAL STATEMENTS</u></b>	66
<b><u>ITEM 18: FINANCIAL STATEMENTS</u></b>	66
<b><u>ITEM 19: EXHIBITS</u></b>	66
<b><u>SIGNATURES</u></b>	67

Table of Contents

**PART I**

**Item 1: Identity of Directors, Senior Management and Advisors**

Not applicable.

**Item 2: Offer Statistics and Expected Timetable**

Not applicable.

**Item 3: Key Information Regarding BOS**

Unless the context in which such terms are used would require a different meaning, all references to “BOS”, “we”, “our” or the “Company” refer to B.O.S. Better Online Solutions Ltd. and its subsidiaries.

**3A. Selected Consolidated Financial Data**

The selected consolidated statement of operations data for B.O.S. Better Online Solutions Ltd. set forth below with respect to the years ended December 31, 2018, 2017 and 2016, and the selected consolidated balance sheet data as of December 31, 2018 and 2017, have been derived from our audited Consolidated Financial Statements listed in Item 18, which have been prepared in accordance with Generally Accepted Accounting Principles in the United States (“U.S. GAAP”). The selected consolidated statement of operations data set forth below with respect to the years ended December 31, 2015 and 2014, and the consolidated balance sheet data as of December 31, 2015 and 2014 are derived from other consolidated financial statements not included herein and have been prepared in accordance with U.S. GAAP. The financial statements for the year ended December 31, 2018 and 2017 were audited by Fahn Kanne & Co. Grant Thornton Israel, an independent registered public accounting firm and a member of Grant Thornton. The financial statements for the years ended December 31, 2016, 2015 and 2014 were audited by Kost Forer Gabbay & Kasierer, an independent registered public accounting firm and a member of Ernst & Young Global. The selected consolidated financial data presented below should be read in conjunction with and is qualified entirely by reference to Item 5: “Operating and Financial Review and Prospects” and the Notes to the Financial Statements included in this Annual Report on Form 20-F.



Table of Contents**Statement of Operations Data: (in U.S. thousands of dollars with the exception of per share data)**

Year ended December 31,	2014	2015	2016	2017	2018
Revenues	27,601	25,599	27,427	28,932	32,650
Cost of revenues	22,556	20,462	22,112	22,587	25,907
Gross profit	5,045	5,137	5,315	6,345	6,743
Operating expenses:					
Sales and marketing	3,043	2,768	3,111	3,389	3,705
General and administrative	1,882	1,681	1,498	1,870	1,834
Total operating expenses	4,925	4,449	4,609	5,259	5,539
Operating income	120	688	706	1,086	1,204
Financial expense, net	(444 )	(376 )	(339 )	(297 )	(255 )
Income (loss) before taxes on income	(325 )	312	367	789	949
Taxes on income (tax benefit)	108	(22 )	7	16	(41 )
Net income (loss)	(433 )	334	360	773	990
Basic and diluted net income (loss) per share	\$(0.30 )	\$0.17	\$0.14	\$0.24	\$0.28
Weighted average number of shares used in computing basic net income (loss) per share	1,449	1,970	2,587	3,171	3,500
Weighted average number of shares used in computing diluted net income (loss) per share	1,449	1,970	2,593	3,171	3,500
Consolidated Balance Sheet Data:	2014	2015	2016	2017	2018
Cash and Cash Equivalents	1,522	1,419	1,286	1,533	1,410
Working Capital (*)	634	5,246	6,099	7,342	7,637
Total Assets	16,261	16,825	18,144	21,407	20,111
Short-term banks loan and current maturities of long-term bank loans	4,867	400	400	505	467
Long-term liabilities	383	3,653	2,943	2,809	2,168
Shareholders' equity	5,297	6,505	8,584	10,218	11,511
(*) Working capital comprises of:					
Current assets	11,215	11,913	12,716	15,722	14,069
Less: current liabilities	10,581	6,667	6,617	8,380	6,432
	634	5,246	6,099	7,342	7,637

**3B. Capitalization and Indebtedness**

Not applicable.



Table of Contents

**3C. Reasons for the Offer and Use of proceeds**

Not applicable.

**3D. Risk Factors**

The following risk factors, in addition to other information contained or incorporated by reference in this Form 20-F, should be considered carefully. Our business, financial condition or results of operations could be materially adversely affected by any of these risks. The risks described below are not the only risks facing our Company. Additional risks and uncertainties that we are not aware of or that we currently believe are immaterial may also adversely affect our business, financial condition, results of operation and liquidity. The trading price of our Ordinary Shares could decline due to any of these risks, and you may lose all or part of your investment.

**Risks relating to our financial results and capital structure:**

*We require a significant amount of cash to satisfy our debt obligations. If we fail to generate sufficient cash flow from operations, we may need to renegotiate or refinance our debt, obtain additional financing, postpone capital expenditures or sell assets.*

As of December 31, 2018, we had \$2.3 million in long-term debt (including current maturities of \$467,000) and no short term bank loans.

We depend mainly on cash generated by continuing operating activities to make payments on our debt. We cannot assure you that we will generate sufficient cash flow from operations to make the scheduled payments on our debt. Our ability to meet our debt obligations will depend on whether we can successfully implement our business strategy, as well as on economic, financial, competitive and technical factors (See “Item 5B. Liquidity and Capital Resources” below).

Some of the factors are beyond our control, such as economic conditions in the markets where we operate or intend to operate, changes in our customers’ demand for products that we sell, and pressure from existing and new competitors. Also, because certain of our loans bear interest at floating rates, we are susceptible to an increase in interest rates (See “Item 11. Quantitative and Qualitative Disclosures about Market Risk” below).

If we cannot generate sufficient cash flow from operations to make scheduled payments on our debt obligations, we may need to renegotiate the terms of our debt, refinance our debt, obtain additional financing, delay planned capital expenditures or sell assets.

If our lenders decline to renegotiate the terms of our debt in these circumstances, the lenders could declare all amounts borrowed and all amounts due to them under the agreements due and payable.

***We have had a history of losses and our future levels of sales and ability to achieve profitability are unpredictable.***

As of December 31, 2018, we had an accumulated deficit of \$68.8 million. Although we had net income of \$990,000 in 2018, \$773,000 in 2017, \$360,000 in 2016 and \$334,000 in 2015, we had a net loss of \$433,000 in 2014. In addition, we have had net losses in prior fiscal years. Our ability to maintain and improve future levels of sales and profitability depends on many factors, which include:

- delivering products in a timely manner;
- successfully implementing our business strategy;
- increased demand for existing products; and
- controlling costs.

There can be no assurance that we will be able to meet our challenges and continue to be profitable in the future or that the level of historic sales will continue in the future.

Table of Contents

***We may be unable to maintain our gross profit margins.***

Our sales and profitability may vary in any given year, and from quarter to quarter. In order to increase sales or to enter into new markets with new products or services or due to competition we may find it necessary to decrease prices in order to be competitive. Additionally, our gross profit margin tends to fluctuate mainly due to variety and mix of products and changing suppliers prices. We may not be able to maintain current gross profit margins in the future, which would have a material adverse effect on our business.

***We depend on one bank for our credit facilities.***

We rely on the First International Bank of Israel (“Bank Beinleumi”) to provide all of the credit facilities to our subsidiaries. As of December 31, 2018, we had \$1.87 million in long term debt to Bank Beinleumi,, net of current maturities .

***Our assets are subject to a security interest in favor of Bank Beinleumi. Our failure to repay the bank loan, if required, could result in legal action against us, which could require the sale of all of our assets.***

The repayment of our debt to Bank Beinleumi is secured by a first priority floating charge on the present and future assets of the Company and its Israeli subsidiaries, and by a first priority fixed charge on their goodwill, unpaid share capital and any insurance entitlements pertaining to assets underlying these charges. In addition, the Company and its Israeli subsidiaries entered into a series of intercompany guarantees in favor of Bank Beinleumi.

If we are unable to repay the bank loan when due, the bank could foreclose on our assets in order to recover the amounts due. Any such action might require us to curtail or cease operations (See “Item 5B. Liquidity and Capital Resources” below).

***Our debt obligations may hinder our growth and put us at a competitive disadvantage.***

Our debt obligations require us to use a substantial portion of our operating cash flow to repay the principal and interest on our loans. This reduces funds available to grow and expand our business, limits our ability to pursue business opportunities and makes us more vulnerable to economic and industry downturns. The existence of debt



obligations and covenants also limits our ability to obtain additional financing on favorable terms.

*Due to restrictions in our loan agreements, we may not be able to operate our business as we desire.*

Our loan agreements contain a number of conditions and limitations on the way in which we can operate our business, including limitations on our ability to raise debt, sell or acquire assets and pay dividends. These limitations may force us to pursue less than optimal business strategies or forgo business arrangements, which could have been financially advantageous to our shareholders and us. Our debt obligations also contain various covenants, which require that we maintain certain financial ratios related to shareholders' equity and EBITDA and capital to balance sheet ratio. Our failure to comply with the restrictions and covenants contained in our loan agreements could lead to a default under the terms of these agreements (See "Item 5B. Liquidity and Capital Resources").

**Risks related to our business:**

*We depend on key personnel for the success of our business.*

Our success depends, to a significant extent, on the continued active participation of our executive officers and other key personnel. In addition, there is significant competition for employees with technical, operational and sales expertise in our industry.

In order to succeed we would need to be able to:

retain the executive officers and key personnel who have been involved in the development of our two operating divisions; and

attract and retain highly skilled personnel in various functions of our business.

Table of Contents

We cannot make assurances that we will be successful in attracting, integrating, motivating and retaining key personnel. If we are unable to retain our key personnel and attract additional qualified personnel, as and when needed, our business may be adversely affected.

***We may be unable to effectively manage our growth and expansion, and as a result, our business results may be adversely affected.***

Our goal is to grow over the next few years. The management of our growth, if any, will require the continued expansion of our operational and financial control systems, as well as a significant increase in our financial resources and in our delivery and service capabilities. These factors could place a significant strain on our resources.

Our growth increases the complexity of our operations, places significant demands on our management and our operational, financial and marketing resources and involves a number of challenges, including:

- retaining and motivating key personnel of the acquired businesses;
- assimilating different corporate cultures;
- preserving the business relationships with existing key customers and suppliers;
- maintaining uniform standards, controls, procedures and policies;
- introducing joint products, solutions and service offerings; and
- having sufficient working capital to finance growth.

In addition, our inability to meet our delivery commitments in a timely manner (as a result of unexpected increases in orders, for example) could result in losses of sales, exposure to contractual penalties, costs or expenses, as well as damage to our reputation in the marketplace.

Our inability to manage growth effectively could have a material adverse effect on our business, financial condition and results of operations.

Table of Contents

***We may expand our business through acquisitions that could result in diversion of resources and extra expenses. This could disrupt our business and adversely affect our financial condition.***

In January 2016, we completed the acquisition of the business operations of iDnext Ltd. and its subsidiary Next-Line Ltd. and in March 2019 we entered into an agreement to acquire the business of Imdecol Ltd. We may expand our services through additional acquisitions. The negotiation of acquisitions, investments or joint ventures, as well as the integration of acquired or jointly developed businesses or technologies, could divert our management's time and resources. There can be no assurance that we will be able to consummate this acquisition or successfully integrate and manage future acquisitions, if they occur.

Furthermore, once integrated, acquisitions may not achieve comparable levels of revenues, profitability or productivity which existed prior to the acquisitions or otherwise perform as expected. The occurrence of any of these events could harm our business, financial condition or results of operations.

***We may not be successful in achieving the potential benefits of the acquisition of the business operations of Imdecol Ltd.***

In March 2019, the Company entered into an agreement for the acquisition of the business operations of Imdecol Ltd. The transaction is expected to close by June 1, 2019. This acquisition is subject to a variety of risks that could seriously harm our business, financial condition, results of operations, and share price. These risks include, among others:

incurrence of unexpected expenses associated with acquisition and integration of the acquired business into our Company;

difficulties in the assimilation and integration of the acquired operations, personnel, technologies, products, and information systems;

diversion of management's attention from other business concerns;

contractual disputes;

potential loss of key employees;

incompatible business cultures;

difficulties in implementing and maintaining uniform standards, controls and policies;

the impairment of relationships with employees and customers as a result of integration of new personnel; and

potential inability to retain, integrate and motivate key management, marketing, technical sales and customer support personnel.

***We do not have collateral or credit insurance for all of our customers' debt, and our allowance for bad debts may increase.***

Our customers' debt is derived from sales to customers located primarily in Israel, India, the Far East and Europe. We do not generally require collateral; however, a certain portion of our debt of customers outside of Israel is insured against customer nonpayment through the Israeli Credit Insurance Company Ltd.

The balance of allowance for bad debt as of December 31, 2018 amounted to \$31,000 which was determined by our management to be sufficient. However, in the event of a global economic slowdown or if a local or global recession reoccurs, we may be required to record additional and significant allowances for bad debts.

Table of Contents

***A substantial part of the sales of our Supply Chain Solutions division is to the Indian market. A decline in our sales to India would have a material adverse effect on our business and financial results.***

In 2018, revenues derived from the sales of our Supply Chain Solutions division to India accounted to US \$4.2 million, or 12.9% of our total revenues. Sales to India could decline due to changes in market demand or for political reasons. Should our sales to India be subject to substantial declines, our business and financial results will be adversely affected.

***Certain customers of our Supply Chain Solutions division may cancel purchase orders they placed before the delivery.***

Supply chain programs for the sale of electronic components, including the programs offered by our Supply Chain Solutions division, are designed to accommodate the preference of customers to work with a limited number of suppliers that are able to provide a wide range of electronic components under one order. In the event we are not able to provide all of the components required by a customer, such customer could elect to terminate the entire order before its delivery. In addition, certain of our individual product orders provide a right of termination prior to delivery.

In the event substantial orders are so cancelled, there is no assurance that we will be able to sell the pre-purchased inventory at a profit, or at all. This could result in excess and obsolete inventory and could have a material adverse effect on our results of operations.

***The electronic components provided by our Supply Chain Solutions division need to meet certain industry standards and for some customers we need to be the manufacturers' authorized distributors.***

The main business of our Supply Chain Solutions division is the provision of electronic components to the aerospace and defense industry. These components need to be in compliance with Aviation Standard number 9120 which was adopted by the International Aerospace Quality Group. Noncompliance with these standards could limit our sales.

In addition, in the face of an increased number of refurbished or non-original components offered in the marketplace, certain customers have begun to insist on only purchasing components directly from authorized distributors of the manufacturers. This could impair our ability to sell components of manufacturers for which we do not serve as authorized dealers and may have a substantial adverse effect on our business.

***Our products may contain defects that may be costly to correct, delay market acceptance of our products, harm our reputation and expose us to litigation.***

Despite testing by us, errors may be found in our software products and services. If defects are discovered, we may not be able to successfully correct them in a timely manner, or at all. Defects and failures in our products could result in a loss of, or delay in, market acceptance of our products and could damage our reputation. Although our standard license agreement with our customers contains provisions designed to limit our exposure to potential product liability claims, it is possible that these provisions may not be effective or enforceable under the laws of certain jurisdictions and we could fail to realize revenues and suffer damage to our reputation as a result of, or in defense of, a substantial claim.

Table of Contents

***Our products may infringe on the intellectual property rights of others.***

Third parties may assert claims that we have violated a patent, trademark, copyright or other proprietary intellectual property right belonging to them. As is characteristic of our industry, there can be no assurance that our products do not or will not infringe on the proprietary rights of third parties, that third parties will not claim infringement by us with respect to patents or other proprietary rights or that we would prevail in any such proceedings. Any infringement claims, whether or not meritorious, could result in costly litigation or arbitration and divert the attention of technical and management personnel. Any adverse outcome in litigation alleging an infringement could require us to develop non-infringing technology or enter into royalty or licensing agreements. If, in such situations, we are unable to obtain licenses on acceptable terms, we may be prevented from selling products that infringe on such intellectual property of a third party. In addition, an unfavorable outcome or settlement regarding one or more of these matters could have a material adverse effect on our business and operating results.

***The Supply Chain Solutions division engages in a number of business activities governed by U.S. Government Laws and Regulations, which if violated, could subject the Company to civil or criminal fines and penalties.***

The Supply Chain Solutions division engages in a number of business activities governed by U.S. Government procurement laws and regulations which change frequently, including regulations relating to import-export control and technology transfer restrictions. In addition, the U.S. Foreign Corrupt Practices Act, or the FCPA, and similar anti-corruption laws in other jurisdictions, include anti-bribery provisions. If we, or our sales representatives, fail to comply with these laws and regulations, we could be subject to administrative, civil, or criminal liabilities that could have a material adverse effect on our business and results of operations. We may not always be protected in cases of the violation of the FCPA or other anti-corruption laws by our employees or third-parties acting on our behalf and such violations may have a material adverse effect on our reputation operating results and financial condition.

***We rely on certain key suppliers.***

Most of our sales rely on products of certain key suppliers, which we represent on a non-exclusive basis. 37% of our Supply Chain Solutions division purchases in the year 2018 were sourced from five key suppliers and 44% of our RFID and Mobile Solutions division purchases in the year 2018 were sourced from six other key suppliers (including a software supplier). In the year 2017, 33% of our Supply Chain Solutions division purchases were sourced from five key suppliers and 39% of our RFID and Mobile Solutions purchases were sourced from six other key suppliers.

In the event that any of our key suppliers becomes unable to fulfill our requirements in a timely manner or if we cease our business relationship with any of these suppliers, we may experience an interruption in delivery and a decrease in

our business until an alternative supplier can be procured.

***Future changes in industry standards may have an adverse effect on our business.***

New industry standards in the aviation and defense industry could cause a portion of our Supply Chain Solutions division's inventory to become obsolete and unmarketable, which would adversely affect our results of operations.

***Recent changes in Israeli law in respect of minimum wage and work and rest hours may increase our labor related expenses.***

In December 2017, the mandatory minimum wage in Israel was raised by approximately 6%, to NIS 5,300. In addition, commencing April 2018, the 43-hour workweek was shortened by one hour (at a pre-determined day), without a reduction in the monthly salary. An employee that continues to work 43 hours per week is now entitled to overtime payment. As a result, we may suffer an increase in our labor costs in Israel, which could adversely affect our profitability.

***If revenue levels for any quarter fall significantly below our expectations, our results of operations will be adversely affected.***

Our revenues in any quarter are substantially dependent on orders received and delivered in that quarter. We base our decisions regarding our operating expenses on anticipated revenue trends, and our expenses levels are relatively fixed, or require some time for adjustment. As a result, revenue levels falling significantly below our expectations will adversely affect our results of operations.



Table of Contents

***The rate of inflation in Israel may negatively impact our costs if it exceeds the rate of devaluation of the NIS against the U.S. dollar. Similarly, the U.S. dollar cost of our operations in Israel will increase to the extent increases in the rate of inflation in Israel are not offset by a devaluation of the NIS in relation to the U.S. dollar.***

A substantial amount of our revenues is denominated in U.S. dollars (“U.S. dollars” or “dollars”) or is U.S. dollar-linked. However, we incur a significant portion of our expenses, principally salaries and related personnel expenses in Israel and rent for our facilities in Israel, in NIS. As a result, we are exposed to the risk that the rate of inflation in Israel will exceed the rate of devaluation of the NIS in relation to the U.S. dollar or that the timing of this devaluation lags behind inflation in Israel. In any such event, the U.S. dollar cost of our operations in Israel will increase and our U.S. dollar-measured results of operations will be adversely affected.

Similarly, we are exposed to the risk that the NIS, after adjustment for inflation in Israel, will appreciate in relation to the U.S. dollar. In that event, the dollar-measured costs of our operations in Israel will increase and our dollar-measured results of operations will be adversely affected. In 2018, the NIS depreciated against the dollar by approximately 8.1%, while in 2017 the NIS appreciated against the dollar by 9.8%. In 2016 the NIS appreciated against the dollar by 1.5%, and in 2015 the NIS depreciated by approximately 0.3% against the U.S. dollar. In the years ended December 31, 2018 and 2017, the inflation rate in Israel was 0.8% and 0.4%, respectively. In 2016 and 2015 the annual deflation was 0.2% and 1%, respectively. Therefore, the U.S. dollar cost of our Israeli operations decreased in 2018 and 2015, and increased in 2017 and 2016. We cannot predict any future trends in the rate of inflation in Israel and whether the NIS will appreciate against the U.S. dollar or vice versa. Any increase in the rate of inflation in Israel, unless the increase is offset on a timely basis by a devaluation of the NIS in relation to the U.S. dollar, will increase our labor and other costs, which will increase the U.S. dollar cost of our operations in Israel and harm our results of operations (see “Item 5A. Results of Operation - Impact of Inflation and Currency Fluctuations” below).

***If we are unsuccessful in introducing new products, we may be unable to expand our business.***

The market for some of our products is characterized by rapidly changing technology and evolving industry standards. The introduction of products embodying new technology and the emergence of new industry standards can render existing products obsolete and unmarketable and can exert price pressures on existing products.

Our ability to anticipate changes in technology and industry standards and successfully market new and enhanced products as well as additional applications for existing products, in each case on a timely basis, will be critical in our ability to grow and remain competitive. If we are unable, for technological or other reasons, to market products that are competitive in technology and price and responsive to customer needs, our business will be materially adversely affected.

***Disruptions to our IT systems due to system failures or cyber security attacks may impact our operations, result in sensitive customer information being compromised, which would negatively materially affect our reputation and materially harm our business.***

Our servers and equipment may be subject to computer viruses, break-ins, and similar disruptions from unauthorized tampering with computer systems. Our systems have been, and are expected to continue to be, the target of malware and other cyber-attacks. Although we have invested in measures to reduce these risks, there can be no assurance that our current information technology (IT) systems are fully protected against third-party intrusions, viruses, hacker attacks, information or data theft or other similar threats. A cyber-attack that bypasses our IT security systems causing an IT security breach may lead to a material disruption of our IT business systems and/or the loss of business information. A cyber-attack on our systems or networks that impairs our IT systems could disrupt our business operations and our ability to sell our products. Any such event could have a material adverse effect on our business. To the extent that such disruptions or uncertainties result in delays or cancellations of customer orders or shipment of our products, or in theft, destruction, loss, misappropriation or release of our confidential information or our intellectual property, our business, financial condition, results of operations and prospects could be materially adversely affected.

***Our Supply Chain division has significant sales worldwide and could encounter problems if conditions change in the places where we market products.***

We have sold and intend to continue to sell products in overseas markets, including in India, the Far East and Europe. A number of risks are inherent in engaging in international transactions, including:

- possible problems in collecting receivables;
- the imposition of governmental controls, or export license requirements;
- political and economic instability in foreign companies;
- foreign currency exchange rate risk;
- trade restrictions or changes in tariffs being imposed; and
- laws and legal issues concerning foreign countries.

Should we encounter such difficulties in conducting our international operations, they may adversely affect our business condition and results of operations.



Table of Contents

***Unfavorable global economic conditions could have a material adverse effect on our business, operating results and financial condition.***

A financial and economic downturn in Israel, India or in one or more of our overseas markets may cause revenues of our customers to decrease. This may result in reductions in sales of products and services in some markets, longer sales cycles, slower adoption of new technologies and increased price competition. In addition, weakness in the end-user market could negatively affect the cash flow of our customers who could, in turn, delay paying their obligations to us. This could increase our credit risk exposure and cause delays in our recognition of revenues on future sales to these customers.

***We may be obligated to indemnify our directors and officers.***

The Company has agreements with its directors and senior officers which provide, subject to Israeli law, indemnification by the Company for its directors and senior officers for: (a) monetary liability imposed upon a director or officer in favor of a third party by a judgment, including a settlement or an arbitral award confirmed by the court, as a result of an act or omission of such person in his or her capacity as a director or officer of the Company, (b) reasonable litigation expenses, including attorney's fees, incurred by a director or officer (A) pursuant to an investigation or a proceeding commenced against him or her by a competent authority, provided that (i) it was terminated without an indictment and without having a monetary charge imposed on them in lieu of criminal proceedings (as such terms are defined in the Israeli Companies Law 1999 – 5759 (the "Israeli Companies Law")); or (ii) it was terminated without the filing of an indictment but with a monetary charge imposed on him or her in lieu of criminal proceedings for a crime that does not require proof of criminal intent; (B) or in connection with a financial sanction, as a result of an act or omission of such person in its capacity as a director or officer of the Company, (c) reasonable litigation expenses, including attorney's fees, incurred by a director or officer or imposed on him or her by a court, in a proceeding brought against him or her by or on behalf of the Company or by a third party, or in a criminal action in which he or she was acquitted, or in a criminal action which does not require criminal intent in which he was convicted, in each case relating to acts or omissions of such person in its capacity as a director or officer of the Company, (d) expenses, including reasonable litigation expenses and legal fees, incurred by such a director or officer as a result of a proceeding instituted against him in relation to (A) infringements that may result in imposition of financial sanction pursuant to the provisions of Chapter H'3 under the Israeli Securities Law 5728 – 1968 (the "Israeli Securities Law") or (B) administrative infringements pursuant to the provisions of Chapter H'4 under the Israeli Securities Law or (C) infringements pursuant to the provisions of Chapter I'1 under the Israeli Securities Law; and (e) payments to an injured party of infringement under Section 52ND(a)(1)(a) of the Israeli Securities Law. Payments pursuant to such indemnification obligation may materially adversely affect our financial condition.

***There can be no assurance that we will not be classified as a passive foreign investment company (a "PFIC").***

Based upon our current and projected income, assets and activities, we do not believe that at this time BOS is a passive foreign investment company for U.S. federal income tax purposes, but there can be no assurance that we will not be classified as such in the future. Such classification may have materially adverse tax consequences for our U.S. shareholders. One method of avoiding such tax consequences is by making a “qualified electing fund” election for the first taxable year in which the Company is a PFIC. However, such an election is conditioned upon our furnishing our U.S. shareholders annually with certain tax information. We do not presently prepare or provide such information, and such information may not be available to our U.S. shareholders if we are subsequently determined to be a PFIC. You are advised to consult with your own tax advisor regarding the particular tax consequences related to the ownership and disposition of our Ordinary Shares under your own particular factual circumstances.

*A decline in the value of our market capitalization or other factors could require us to write-down the value of our goodwill, which could have a material adverse effect on our results of operations.*

Our balance sheet contains a significant amount of goodwill and other amortizable intangible assets in long-term assets, totaling about \$4.76 million at December 31, 2018. We review goodwill annually for impairment, or more frequently when indications for potential impairment exist. We review other amortizable intangible assets for impairment when indicators for impairment exist. The volatility of our share price can cause significant changes to our market capitalization.

Table of Contents

If our market capitalization experiences a significant decline and is below the value of our Shareholders' equity, if the carrying amount of a reporting unit exceeds its fair value, or if any other quantitative or qualitative indication of impairment of goodwill arises in the future, we may be required to record impairment charges for our goodwill. Any such write-downs, if required, could result in a significant non-cash expense on our income statement, which could have a material adverse effect on our results of operations.

***There are substantial risks associated with the YA II Standby Equity Distribution Agreement, which could contribute to the decline of our share price and have a dilutive impact on our existing shareholders.***

The sale of our Ordinary Shares to YA II PN, Ltd. (or YA II) (formerly YA Global Master SPV Ltd.), pursuant to the Standby Equity Distribution Agreement, dated as May 8, 2017, (the "2017 SEDA"), (see "Item 5B – Liquidity and Capital Resources") will have a dilutive impact on our shareholders. Under the 2017 SEDA, we have the right to sell, over a period of up to 4 years, Ordinary Shares to YA II for up to a total purchase price of \$2,000,000, out of which \$1,100,000 remain available as of March 15, 2019. YA II may resell some, if not all of the shares we issue to it under the 2017 SEDA and such sales could cause the market price of our Ordinary Shares to decline.

***We may fail to maintain effective internal control over financial reporting in accordance with Section 404 of the Sarbanes-Oxley Act of 2002, which could have a material adverse effect on our operating results, investor confidence in our reported financial information, and the market price of our Ordinary Shares.***

Our efforts to comply with the requirements of Section 404 of the Sarbanes-Oxley Act of 2002, governing internal control and procedures for financial reporting have resulted in increased general and administrative expenses and a diversion of management time and attention. We expect these efforts to require the continued commitment of significant resources. We may identify material weaknesses or significant deficiencies in our assessments of our internal control over financial reporting. Failure to maintain effective internal control over financial reporting could result in investigations or sanctions by regulatory authorities, and could have a material adverse effect on our operating results, investor confidence in our reported financial information, and the market price of our Ordinary Shares.

***If our employees commit fraud or engage in other misconduct, including noncompliance with regulatory standards and requirements or insider trading, our business may experience material adverse consequences.***

During the course of our operations, our directors, executives and employees may have access to material, nonpublic information regarding our business, our results of operations or potential transactions we are considering. Despite the adoption of an Insider Trading Policy, we may not be able to prevent a director, executive or employee from trading in

our ordinary shares on the basis of, or while having access to such information.

In addition, while we have designed and operate an internal control system, we cannot provide absolute assurance that instances of fraud, if any, shall be prevented or detected.

If a director, an executive or an employee was to be investigated, or an action was to be brought against him or her for insider trading or fraud, it could have a negative impact on our reputation and our share price. Such a claim, with or without merit, could also result in substantial expenditures of time and money, and divert attention of our management team from other tasks important to the success of our operations.

Table of Contents

**Risks related to our Ordinary Shares:**

*Our share price has been and may continue to be volatile, which could result in substantial losses for individual shareholders.*

The market price of our Ordinary Shares has been and may continue to be highly volatile and subject to wide fluctuations. From January 1, 2018 through March 15, 2019, the daily closing price of our Ordinary Shares in NASDAQ has ranged from \$1.93 to \$3.94 per share. We believe that these fluctuations have been in response to a number of factors including the following, some of which are beyond our control:

variations between actual results and projections;

the limited trading volume in our stock;

changes in our bank debts; and

Nasdaq Capital Market Listing Standards non-compliance notices.

In addition, stock markets in general have from time to time experienced extreme price and volume fluctuations. This volatility is often unrelated or disproportionate to the operating performance of the affected companies. These broad market fluctuations may adversely affect the market price of our Ordinary Shares, regardless of our actual operating performance.

*The Company's shares may be delisted from the NASDAQ Capital Market if it does not meet NASDAQ's continued listing requirements.*

Over the years, the Company has received several notices from the NASDAQ Stock Market advising it of the non-compliance of its shares with continued listing requirements on the NASDAQ Capital Market.

There can be no assurance that the Company will continue to qualify for listing on the Nasdaq Capital Market. If the Company's Ordinary Shares are delisted from the Nasdaq Capital Market, trading in its Ordinary Shares could be conducted on the over-the-counter market. In addition, if the Company's Ordinary Shares were delisted from the



Nasdaq Capital Market, it would be subject to the so-called penny stock rules that impose restrictive sales practice requirements on broker-dealers who sell those securities. Consequently, de-listing, if it occurred, could affect the ability of our shareholders to sell their Ordinary Shares in the secondary market. The restrictions applicable to shares that are de-listed, as well as the lack of liquidity for shares that are traded on an electronic bulletin board, may adversely affect the market price of such shares.

**Risks related to our location in Israel:**

*Political, economic, and security conditions in Israel affect our operations and may limit our ability to produce and sell products or provide our services.*

We are incorporated under the laws of the State of Israel, where we also maintain our headquarters and our principal research and development and sales and marketing facilities. As a result, political, economic and military conditions affecting Israel directly influence us.

Table of Contents

Since its establishment in 1948, a number of armed conflicts have taken place between Israel and its neighboring countries. In recent years, these have included hostilities between Israel and Hezbollah in Lebanon, and Israel and Hamas in the Gaza Strip, both of which resulted in rockets being fired into Israel causing casualties and disruption of economic activities. Recent political uprisings and conflicts in various countries in the Middle East, including Egypt and Syria, are affecting the political stability of those countries. Any armed conflicts, terrorist activities, political instability or hostilities in the region or that involve Israel or the interruption or curtailment of trade within Israel or between Israel and its trading partners could adversely affect our business, financial condition and results of operations and could make it more difficult for us to raise capital. In addition, Israel faces threats from more distant neighbors, in particular, Iran that has threatened to attack Israel. Iran is also believed to have a strong influence among extremist groups in areas that neighbor Israel, such as Hamas in Gaza and Hezbollah in Lebanon. Additionally, the Islamic State of Iraq and Syria (ISIS), a violent jihadist group, is involved in hostilities in Iraq and Syria and its stated purpose is to take control of the Middle East, including Israel.

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 has in the past covered the reinstatement value of certain damages that were 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 operations.

To date, these matters have not had any material effect on our business and results of operations; however, the regional security situation and worldwide perceptions of it are outside our control and there can be no assurance that these matters will not negatively affect us in the future.

Furthermore, several countries and companies restrict business with Israel and Israeli companies. Restrictive laws or policies directed towards Israel or Israeli businesses may have an adverse impact on our operations, our financial results or the expansion of our business.

A number of our key personnel in Israel have standing obligations to perform periodic reserve duty in the Israel Defense Forces and are subject to be called up for active military duty at any time. If our key personnel are absent from our business for a significant period of time, we may experience disruptions in our business that could affect the development, sales or technical support of our products. As a result, we might not be able to compete in the market and our results of operations could be harmed.

*The anti-takeover effects of Israeli laws may delay or deter a change of control of the Company.*

Provisions of Israeli law may delay, prevent or make undesirable a merger or an acquisition of all or a significant portion of our shares or assets. Israeli corporate law regulates acquisitions of shares through tender offers and mergers, requires special approvals for transactions involving significant shareholders and regulates other matters that may be relevant to these types of transactions. These provisions of Israeli law could have the effect of delaying or preventing a change in control and may make it more difficult for a third party to acquire us, even if doing so would be beneficial to our shareholders. These provisions may limit the price that investors may be willing to pay in the future for our Ordinary Shares. Furthermore, Israeli tax considerations may make potential transactions undesirable to us or to some of our shareholders.

These laws may have the effect of delaying or deterring a change in control of the Company, thereby limiting the opportunity for shareholders to receive a premium for their shares and possibly affecting the price that some investors are willing to pay for the Company's securities.

***All of our directors and officers are non-U.S. residents and enforceability of civil liabilities against them is uncertain.***

All of our directors and officers reside 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 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. Israeli courts may refuse to hear a claim based on an alleged violation of U.S. 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 U.S. law is applicable to the claim. If U.S. law is found to be applicable, the content of applicable U.S. 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 U.S. or foreign court.

Table of Contents

***Your rights and responsibilities as our shareholder will be governed by Israeli law, which differ in some respects from the rights and responsibilities of shareholders of United States corporations.***

Since we are incorporated under Israeli law, the rights and responsibilities of our shareholders are governed by our articles of association and Israeli law. These rights and responsibilities differ in some respects from the rights and responsibilities of shareholders in United States-based corporations. In particular, a shareholder of an Israeli company has a duty to act in good faith towards the company and other shareholders and to refrain from abusing its power in the company, including, among other things, in voting at the general meeting 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 and approval of related party transactions that require shareholder approval. In addition, 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 a director or executive officer in the company has a duty of fairness towards the company. 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.

***Our business could be impacted as a result of actions by activist shareholders or others.***

We may be subject, from time to time, to legal and business challenges in the operation of our company due to actions instituted by activist shareholders or others. Responding to such actions could be costly and time-consuming, may not align with our business strategies and could divert the attention of our Board of Directors and senior management from the pursuit of our business strategies. Perceived uncertainties as to our future direction as a result of shareholder activism may lead to the perception of a change in the direction of the business or other instability and may affect our relationships with vendors, customers, prospective and current employees and others.

On February 6, 2019, the Company received a letter from L.I.A. Pure Capital stating that Pure Capital is the owner or has voting rights with respect to shares of the Company representing more than 5% of the outstanding share capital of the Company, and requesting that the Company convene a shareholders meeting in order to replace the members of the board of directors of the Company. On March 7, 2019, the Company issued a notice of special General Meeting that is scheduled to be held on April 11, 2019. For more information please refer to Company's Proxy Statement on Form 6-K, filed with the SEC on March 7, 2019.

***As a foreign private issuer whose shares are listed on the Nasdaq Capital Market, we follow and may in the future elect to follow certain home country corporate governance practices instead of certain Nasdaq requirements.***

We are a foreign private issuer as such term is defined under U.S. federal securities laws. As a foreign private issuer, we have elected to follow certain home country corporate governance practices instead of certain requirements of the Marketplace Rules of the Nasdaq Capital Market, or the Nasdaq Marketplace Rules. We may in the future elect to follow Israeli corporate governance practices with regard to, among other things, the composition of our board of directors (“Board of Directors”), compensation of officers, director nomination procedures and quorum requirements at shareholders’ meetings. In addition, we may elect to follow Israeli corporate governance practices instead of the Nasdaq requirements to obtain shareholder approval for certain dilutive events (such as for the establishment or amendment of certain equity-based compensation plans, issuances that will result in a change of control of the company, certain transactions other than a public offering involving issuances of a 20% or more interest in the company and certain acquisitions of the stock or assets of another company). Accordingly, our shareholders may not be afforded the same protection as provided under Nasdaq’s corporate governance rules. Following our home country governance practices as opposed to the requirements that would otherwise apply to a U.S. company listed on the Nasdaq Capital Market may provide less protection than is accorded to investors of domestic issuers. See “Item 16G – Corporate Governance.”

***If we were to lose our foreign private issuer status under U.S. federal securities laws, we would incur additional expenses associated with compliance with the U.S. securities laws applicable to U.S. domestic issuers.***

As a foreign private issuer, we are exempt from the rules and regulations under the Securities Exchange Act of 1934, as amended (the “Exchange Act”), related to the furnishing and content of proxy statements, and our officers, directors, and principal shareholders are exempt from the reporting and short-swing profit recovery provisions contained in Section 16 of the Exchange Act. In addition, we are not required under the Exchange Act to file annual, quarterly and current reports and financial statements with the Securities and Exchange Commission as frequently or as promptly as domestic companies whose securities are registered under the Exchange Act.

The regulatory and compliance costs to us under U.S. securities laws, if we are required to comply with the reporting requirements applicable to a U.S. domestic issuer, may be significantly higher than the cost we currently incur as a foreign private issuer.

Table of Contents

*As a public company in the United States, we incur significant accounting, legal and other expenses as a result of listing our Ordinary Shares on the Nasdaq Capital Market, and we may need to devote substantial resources to address new compliance initiatives and reporting requirements.*

As a public company in the United States, the Exchange Act requires that we file periodic reports with respect to our business and financial condition and maintain effective disclosure controls and procedures and internal control over financial reporting. In addition, subsequent rules implemented by the SEC and the NASDAQ Stock Market may also impose various additional requirements on public companies. As a result, we incur significant accounting, legal and other expenses as a result of listing our Ordinary Shares on the Nasdaq Capital Market. These include costs associated with corporate governance requirements of the SEC and the Marketplace Rules of Nasdaq, as well as requirements under Section 404 and other provisions of the Sarbanes-Oxley Act of 2002. Any future changes in the laws and regulations affecting public companies in the United States and Israel, will result in increased costs to us as we respond to such changes. These laws, rules and regulations could make it more difficult or more costly for us to obtain certain types of insurance, including director and officer liability insurance, and we may be forced to accept reduced policy limits and coverage or incur substantially higher costs to obtain the same or similar coverage. The impact of these requirements could also make it more difficult for us to attract and retain qualified persons to serve on our Board of Directors, our board committees or as executive officers.

**Item 4: Information on the Company**

**4A. History and Development of the Company**

We were incorporated in Israel in 1990 and are subject to the Israeli Companies Law. Our executive offices, shipping and service operations are located in Israel. Our address in Israel is 20 Freiman Street, Rishon LeZion, 7535825, Israel. The Company's Ordinary Shares are currently listed on the NASDAQ Capital Market under the symbol "BOSC".

Our address in the United States is B.O.S. Better Online Solutions Ltd. c/o Ruby-tech, Inc. 147-20 184th St., Jamaica NY 11413, USA.

Our telephone number is 972-3-954-2000 and our website address is [www.boscom.com](http://www.boscom.com). Our subsidiaries' websites are: BOS-Odem Ltd ("Odem") - [www.odem.co.il](http://www.odem.co.il); BOS-Dimex Ltd. ("Dimex") - [www.dimex.co.il](http://www.dimex.co.il) and [www.idnext.co.il](http://www.idnext.co.il). The information contained on, or linked from, our websites is not a part of this report.

We operate our business through two divisions:

Supply Chain Solutions – conducted through our wholly owned subsidiary, Odem. Our Supply Chain Solutions business offers mainly electro mechanical components to customers in the defense, high technology industry and supply chain services for aviation customers that prefer to consolidate their component acquisitions through a supplier that is able to provide a comprehensive solution to their components-supply needs.

RFID and Mobile Solutions – conducted through our wholly owned subsidiary, Dimex. Our RFID and Mobile Solutions offerings form a comprehensive turn-key solution for Automatic Identification and Data Collection (AIDC), combining mobile infrastructure and a software application of manufacturers that we represent. In addition, following the acquisition in January 2016 by Dimex of the business operations of iDnext Ltd. and its subsidiary Next-Line Ltd., Dimex also offers on-site inventory count services in the fields of apparel, food, convenience and pharma, and asset tagging and counting services for corporate and governmental entities.

Table of Contents

On January 1, 2016, Dimex consummated the acquisition of the business operations of iDnext Ltd. (“iDnext”) and its subsidiary Next-Line Ltd. (“Next-Line”), for a total consideration of \$886,000. The consideration was comprised of a loan conversion in the amount of \$256,000, initially advanced as a loan to iDnext and Next-Line in December 2015 and applied towards the consideration upon the closing of the acquisition, a cash payment of \$154,000 and the issuance of 162,734 Ordinary Shares of the Company for a value of \$298,000. Additionally, Dimex has recorded a liability in the amount of \$178,000, reflecting its commitment to make additional contingent payments based on the annual operational profit of the acquired business in the calendar years 2016 and 2017. In 2016, this liability was fully written off due to insufficient operating profit of the acquired business in the year ended December 31, 2016. In the year 2017 the acquired business did not meet the profitability targets that would trigger the additional contingent payments.

On March 19, 2019 the Company signed a definitive agreement to purchase the assets of Imdecol Ltd., a global integrator and manufacturer of automatic and robotic systems that enhance the productivity of production lines. The transaction is expected to close by June 1, 2019.

The purchase price of Imdecol’s business is based on a multiple of four times the average annual operating profit of Imdecol’s business for the years 2017, 2018, 2019 and for the 12 months ended June 30, 2020.

The purchase price consists of a combination of cash and ordinary shares of BOS, payable as follows:

NIS 1 million (approximately \$280,000) was paid to Imdecol upon signing the definitive agreement. This amount was extended initially as a bridge loan, which bears interest at 10% per annum and is secured by a first degree fixed pledge and charge on the shares of the shareholders of Imdecol. At closing, the loan shall be applied towards the purchase price. The loan shall become due and payable if closing is not effected by August 31, 2019.

An additional NIS 4.5 million (approximately \$1.25 million) shall be paid to Imdecol at closing.

NIS 1.5 million (approximately \$417,000) shall be paid to Imdecol no later than August 2020, by way of issuance of BOS’s ordinary shares. The value of the ordinary shares will be determined according to their market price prior to issuance and the shares will be subject to a lock-up period until June 2022.

An additional amount in cash may be paid by August 2020, based on the performance of the Imdecol business through June 2020.



In addition, BOS will acquire Imdecol's inventory at its book value on the closing date, which is estimated at NIS 2.6 million (approximately \$720,000). BOS will pay an advance of NIS 1.5 million (approximately \$417,000) upon closing and the balance will be paid on an ongoing basis as the inventory is consumed. The cash portion of the acquisition price will be financed mainly through a combination of commercial bank loans and internal cash resources.

On February 6, 2019, the Company received a letter from L.I.A. Pure Capital stating that Pure Capital is the owner or has voting rights with respect to shares of the Company representing more than 5% of the outstanding share capital of the Company, and requesting that the Company convene a shareholders meeting in order to replace the members of the board of directors of the Company. On March 7, 2019, the Company issued a notice of special General Meeting that is scheduled to be held on April 11, 2019. For more information please refer to Company's Proxy Statement on Form 6-K, filed with the SEC on March 7, 2019.

On November 23, 2010, the Company's two U.S. subsidiaries that are part of its Supply Chain Solutions division, Lynk and its subsidiary BOS Supply Chain Solutions (Summit) Inc. ("Summit"), filed a Chapter 7 petition with the US Bankruptcy Court. In March 2011, the Lynk case was closed. In April 2014, the Summit case was closed.

#### **4B. Business Overview**

BOS manages its business in two reportable divisions: RFID and Mobile Solutions (through its subsidiary Dimex), and Supply Chain Solutions (through its subsidiary Odem).

The Company's customers represent a cross-section of industry leaders, from the avionics, defense, retail, manufacturers, government and livestock markets. The Company's Supply Chain Solutions customers include, among others, Cyient DLM Private Limited, Centum Electronics Limited and Fokker Elmo Sasmos Interconnection Systems Ltd. from the Indian market, C&O Telecom (H.K) Co., Limited from the Chinese market and Refael and the Israel Aerospace Industries from the Israeli market.. The Company's RFID and Mobile Solutions currently has all of its sales in Israel and its customers include, among others, Shufersal Ltd., Hamashbir Lazarchan Ltd., Fox Vizel Ltd., The Central Company for Sales and Distribution Ltd., Gotex Brandsand Tnuva Ltd.

In its RFID and Mobile Solutions division, the Company continues to invest in efforts to expand its product offerings.

Table of Contents

**BOS' Product Offerings**

*RFID and Mobile Solutions*

RFID (Radio Frequency Identification) refers to the use of an automatic identification method to remotely retrieve data using devices called RFID tags. An RFID tag is an object such as a pendant, bead, nail, label, micro wire or fiber, which can be applied to or incorporated into a product, animal, or person for the purpose of identification using radio waves.

BOS' RFID and Mobile Solutions division offers the integration of turnkey solutions as well as stand-alone products, including best-of-breed RFID and Automatic Identification Data Capture (AIDC) hardware, communications, equipment and industry-specific software applications. Customers can opt for a full solution comprised of hardware and software, or choose to purchase specific items as a stand-alone product or service.

The Company's RFID and Mobile Solutions division purchases AIDC equipment based on RFID and the barcode technology of leading global manufacturers. Such manufacturers include Zebra Technologies Corp., IPT Mobile Ltd., Ingram Micro Israel Ltd., DLog GmbH, Honeywell International Inc., Tadbik Ltd., Bibliotheca RFID Library Systems AG and Unique Technology Europe BV.

Specifically, the Company's RFID and Mobile Solutions division offers the following products and services:

**Hardware:**

Thermal and barcode printers;

RFID and barcode scanners and readers;

Wireless, mobile and forklift terminals;

Wireless infrastructure;

Active and passive RFID tags (HF & UHF); and

Consumables (ribbons, labels, tags)

**Software:**

Implementation and integration of a Warehouse Management System (“WMS”), which is proprietary software of Mantis Informatics S.A. that is licensed by the Company. WMS is an optimized data collection solution for logistics management in logistic centers and warehouses. The solution is based on RFID tags or bar codes, and is intended to provide customers with greater visibility into a retailer’s stock management and warehouse/logistics operations. The System enables storeroom managers to receive advanced delivery notifications and system alerts for delivery discrepancies, and provides them with the ability to locate inventory in their stockroom. It provides inventory managers with a direct communication link to the sales floor and assists them in minimizing inventory loss or theft. It also enables sales floor representatives to instantly check on the availability of a product, offer alternatives if the product is out of stock and provide the customer with up-to-date product information.

In August 2012, the Company entered into a cooperation agreement with an independent software development company for developing tailor made software solutions according to customers demand.

Table of Contents

**Systems:**

The Company provides systems for comprehensive solution for inventory/assets tracking. The system is comprised from hardware, software and integration with the customers' information system. The Company has provided systems for varied solutions which include among others:

RFID system for libraries. The system is comprised of automatic self-service stations, staff stations, security gates, and RFID tags that are affixed to the books. The system was developed by Bibliotheca and the Company is the integrator in Israel.

RFID-based system for tracking inventory in a produce packing house. The RFID system enables automatic tracking of fruit pallets from the sorting machine through the various cold storage rooms and until the truck loading. It continuously shows the location of the pallets in the various stations in the packing house and interfaces with the ERP of the packing house. The system was designed using BOS' experience and knowledge of the working processes in a packing house, and is comprised of RFID readers, RFID tags, the Company tailor-made software, and an interface with the ERP of SAP, Priority and SBO.

Automatic system for industrial packing lines, that matches between a product and its packaging. The system is designed to be deployed mainly in production lines of food producers and pharmaceutical manufacturers. The system uses machine vision readers of Cognex Corporation together with Company's software and integration.

Automatic system for production line whereby manufacturing companies can track the progress and status of items on a production line. The solution is based on RFID tags or bar codes, and is intended to provide greater visibility into a customer's manufacturing process, as well as traceability for critical parts. With this system, items entering the manufacturing plant are labeled with RFID tags or bar codes, which allow fixed readers, located along the production line, to record the product's progress through the production line stations. Mobile readers may also be used to collect data from the parts labeled with RFID tags or bar codes.

Automatic system to identify and track vehicles in a variety of transportation-related settings, such as automobile dealers, importers or distributors. By using RFID tags on their vehicles it enables companies to effectively manage, track, support and plan all day-to-day vehicle-related activities.

**Services:**

The Company's RFID and Mobile Solutions division also provides complementary services such as:

A service lab that offers maintenance and repair services to data collection equipment, as well as warehouse and on-site service plans; and

Dimex offers on-site inventory count services in the fields of apparel, food, convenience and pharma, and asset tagging and counting services for corporate and governmental entities.

In 2018, 45% of our revenues were attributed to sales generated from the Company's RFID and Mobile Solutions division.

In addition, following the acquisition of the business operations of Imdecol Ltd., which is expected to close by June 1, 2019, Dimex shall also offer automatic and robotic systems that enhance the productivity of production lines.

### *Supply Chain Solutions*

The Company's Supply Chain Solutions division provides electronic components, telecommunications equipment and components consolidation services to the aerospace, defense, medical and telecommunications industries as well as enterprise customers worldwide.

These services include:

The representation of global manufacturers and distribution of their electronics components and communications products (see below);

For aerospace customers:

Consolidation services – offering customers with one contact point for a wide range of electromechanical components of various manufacturers;

Kitting services – Performing inventory and quality control management of components entering production lines; and

Inventory management for ongoing projects, including all warehouse functions such as storage and operations.

Table of Contents

The Company's Supply Chain Solutions division represents and distributes engineering designs for sale on a non-exclusive basis to, among others, International Rectifier Inc., Sensata Technologies Inc., Integrated Power Designs, Inc., Positronic Global Connector Solutions, Netpower, Switchcraft Inc., First Sensor A.G., Fema Electronics Corporation, SGC Technologies Inc. and Civue Optotech Inc.

In 2018, 55% of our revenues were attributed to sales of the Supply Chain Solutions division.

**Marketing, Distribution and Sales**

*RFID and Mobile Solutions*

The Company markets its RFID and Mobile Solutions primarily to medium and large sized corporations in Israel through a combination of direct sales and sales agents.

*Supply Chain Solutions*

The Company markets its Supply Chain Solutions directly to customers or through distributors worldwide. The Company's sales force is comprised of direct sales teams and sales agents.

***Seasonality***

The Company's sales are subject to seasonality. The revenues of the first and fourth quarter are usually relatively higher than the revenues for the second and third quarter. The seasonality is attributable mainly to inventory counting services which generate a majority of their revenues in the fourth and first quarter of the year.

The following tables set forth the Company's revenues (in thousands of \$), by major geographic areas and by divisions, for the periods indicated below:

*Sales by major geographic areas (\$ in thousands)*

	2018	%	2017	%	2016	%
Israel	\$22,990	70	\$21,870	75	\$20,619	75
India	\$4,209	13	\$4,497	16	\$3,119	11
Far East	\$3,800	12	\$1,416	5	\$2,964	11
America	\$1,189	4	\$918	3	\$411	2
Europe	\$462	1	\$231	1	\$314	1
Total Revenues	\$32,650	100	\$28,932	100	\$27,427	100

*Sales by quarters*

	2018	%	2017	%	2016	%
Q1	\$8,291	25	\$7,064	24	\$8,067	29
Q2	\$7,552	23	\$6,716	23	\$6,308	23
Q3	\$7,714	24	\$7,227	25	\$6,275	23
Q4	\$9,093	28	\$7,925	28	\$6,777	25
Total Revenues	\$32,650	100	\$28,932	100	\$27,427	100

Table of Contents*Sales by divisions*

	2018	%	2017	%	2016	%	2015
RFID and Mobile Solutions	\$14,633	45	\$13,666	47	\$12,197	44	\$9,270
Supply Chain Solutions	\$18,205	55	\$15,495	53	\$15,291	56	\$16,336
Intercompany	\$(188 )	-	\$(229 )	-	\$(61 )	-	\$(7 )
Total Revenues	\$32,650	100	\$28,932	100	\$27,427	100	\$25,599

**Competition***RFID and Mobile Solutions*

The RFID and Mobile Solutions market is subject to rapidly changing technology and evolving standards incorporated into mobile equipment, Enterprise Resource Planning systems, computer networks and host computers. As the market grows, so does the number of competitors. A few of the competitors in Israel have greater financial, marketing and technological resources than BOS.

In Israel, the Company's main competitors in the RFID and Mobile Solutions market are eWave mobile Ltd., Dannet Advanced Technologies Ltd., Imagecode Solutions Ltd., Dangot Computers Ltd. and Globe Tag Ltd.

*Supply Chain Solutions*

The Company holds several representation agreements with major manufacturers. The representation agreements are not entered into on an exclusive basis.

The Company's Israeli competitors for distribution to the electronic industry include the publicly traded Telsys Ltd. and STG International Electronics (1981) Ltd., as well as Nisco Projects Ltd., Eastronics Ltd., Elimec Engineering Ltd. and Teder Electro Mechanical Engineering Ltd.



In the international market, the Company's competitors consist of mainly Arrow Electronics International Inc., Avnet Electronics Marketing, TTI Inc., PEI-Genesis Inc., Weco Electrical Connectors Inc., Electro Enterprises Inc., Flame Enterprise Inc., Norstan Electronics Inc., Peerless Electronics Inc. and Future Electronics.

## **Strategy**

The Company's vision is to become a leading integrator in the field of RFID and Mobile Solutions and global provider of electronic components with supply chain added value services.

The key elements of the Company's strategy are as follows:

Expand its RFID and Mobile product and solutions offerings, mainly through acquisitions of complementary solutions. This will include the sale and integration of new complementary hardware and software to its existing customer base and sales to new customers. As part of implementing our growth strategy Dimex acquired in January 2016, the business operations of iDnext Ltd. and its subsidiary Next-Line Ltd. Following this acquisition, Dimex offers on-site inventory count services in the fields of apparel, food, convenience and pharma, and asset tagging and counting services for corporate and governmental entities;

Expand the Supply Chain Solutions product offerings and sales outside of Israel and mainly into India. Sales to the Far East, including India, amounted to \$8 million and \$5.9 million in years 2018 and 2017, respectively.

Table of Contents

**Exchange Controls**

See “Item 10D. Exchange Controls.”

For other government regulations affecting the Company’s business, see “Item 5A. Results of Operations - Grants and Participation.”

**4C. Organizational Structure**

The Company’s wholly owned subsidiaries include:

In Israel:

- (1) Dimex, an Israeli corporation, representing the RFID and Mobile Solutions division;
- (2) Odem, an Israeli corporation, representing the Supply Chain Solutions division;

In the United States:

- (1) Ruby-Tech, a New York corporation, is a wholly owned subsidiary of Odem and a part of the Supply Chain Solutions division.

**4D. Property, Plants and Equipment**

Our offices are located in the following facility in Israel :

Location	Size (square meters)	Lease period
Rishon LeZion	2,121	January 2018 through April 2023

Our average monthly rental fee for the year 2018 and for the year 2017 amounted to \$16,385 and \$14,405, respectively.

In April 2018 we completed renovation works for our warehouses and lab at a new location in the same building in Rishon LeZion .Currently, we lease 2,121 square meters that include our offices and the new facilities.

**Item 4A: Unresolved Staff Comments**

Not Applicable.

**Item 5: Operating and Financial Review and Prospects**

The following management’s discussion and analysis of financial condition and results of operations should be read in conjunction with our financial statements and notes thereto. Certain matters discussed below and throughout this Annual Report are forward-looking statements that are based on our beliefs and assumptions as well as information currently available to us. Such forward-looking statements may be identified by the use of the words “anticipate”, “believe”, “do not believe”, “estimate”, “expect”, “plan”, “intend”, “projections”, “forecast”, “may”, “continue”, “should”, “pr the negative of these terms or similar expressions. Such statements reflect our current views with respect to future events and are subject to certain risks and uncertainties. While we believe such forward-looking statements are based on reasonable assumptions, should one or more of the underlying assumptions prove incorrect, or these risks or uncertainties materialize, our actual results may differ materially from those described herein.

**Overview**

BOS is a provider of turnkey AIDC mobility solutions and a global distributor of electronic components for the civil aircraft industry, defense industry and high technology equipment manufacturers.

## Table of Contents

The Company's RFID and Mobile products and services assist customers in improving the efficiency of their enterprise logistics, enhancing and automating their data collection processes and improving asset tracking.

BOS manages its business in two reportable divisions: RFID and Mobile Solutions (through its subsidiary Dimex), and Supply Chain Solutions (through its subsidiary Odem).

### *Revenues*

The Company derives its revenues mainly from the sale of products and supporting services.

In accordance with ASC Topic 605 "Revenue Recognition", until December 31, 2017 (prior to the adoption of ASC Topic 606) the Company recognized revenues from sale of products when the following fundamental criteria were met: (i) persuasive evidence of an arrangement exists; (ii) delivery has occurred or services have been rendered; (iii) the price to the customer is fixed or determinable; and (iv) collection of the resulting receivable is reasonably assured.

Revenues from service contracts were recognized ratably over the service period.

The Company applied the provisions of ASC Topic 605-25, "Revenue Recognition - Multiple-Element Arrangements", as amended. ASC Topic 605-25 provides guidance on how to account for arrangements that involve the delivery or performance of multiple products and services. For such arrangements, each element of the contract is accounted for as a separate unit when it provides the customer value on a stand-alone basis.

The Company followed the guidance in ASC 605-35, "Revenue Recognition - Construction-Type and Production-Type Contracts" ("ASC 605-35"), with respect to revenues from customized software solutions, whereby the Company applied the Completed contract method, since the Company was unable to obtain reasonable dependable estimates of the total effort required for completion. Under the completed contract method, all revenue and related costs of revenue were deferred and recognized upon completion. Provisions for estimated losses on contracts in process were recognized in the period such losses were determined.

Deferred revenues included unearned amounts received from customers (mostly for service contracts and advances from customers) but not yet recognized as revenues. Deferred revenues from service contracts were recognized over

the period of the contract and advances were recognized once the delivery of the products is done.

*Revenue recognition accounting policy applied from January 1, 2018 (following the adoption of ASC Topic 606):*

On January 1, 2018, the Company adopted ASC Topic 606, Revenue from Contracts with Customers (“ASC 606”) using the modified retrospective transition method to all contracts that were not completed on the effective date of ASC 606. Among others, the Company implemented internal controls and key system functionality to enable the preparation of financial information on adoption. The adoption of ASC 606 resulted in changes to the Company’s accounting policies for revenue recognition previously recognized under ASC 605 as detailed below. However, there were no significant changes to the timing or pattern of revenue recognition to any of the revenue streams of the Company under ASC 606 and those that were previously reported under ASC 605. Accordingly, the adoption of ASC 606 did not have material effect on the consolidated statements of operations and balance sheets.

In accordance with ASC 606, The Company determines revenue recognition through the following five steps:

Identification of the contract, or contracts, with a customer;

Identification of the performance obligations in the contract;

Determination of the transaction price;

Allocation of the transaction price to the performance obligations in the contract; and

Recognition of revenue when, or as, the Company satisfies a performance obligation.

A contract with a customer exists when all of the following criteria are met: the parties to the contract have approved it (in writing, orally, or in accordance with other customary business practices) and are committed to perform their respective obligations, the Company can identify each party’s rights regarding the distinct goods or services to be transferred (“performance obligations”), the Company can determine the transaction price for the goods or services to be transferred, the contract has commercial substance and it is probable that the Company will collect substantially all of the consideration to which it will be entitled in exchange for the goods or services that will be transferred to the customer.

The transaction price represents the amount of consideration to which the Company expects to be entitled in exchange for transferring promised goods or services to a customer. The consideration promised in a contract with a customer may include fixed amounts, variable amounts, or both. Variable consideration is included in the transaction price only

if it is not considered constrained (i.e. it is considered probable that a significant reversal in the amount of cumulative revenue recognized will not occur).

Table of Contents

Revenue is recognized when, or as, the Company satisfies a performance obligation by transferring a promised good or service to a customer. A product is transferred when, or as, the customer obtains control of that product, and a service is considered transferred as the services are received and used by the customers.

Revenues are recorded in the amount of consideration to which the Company expects to be entitled in exchange for performance obligations upon transfer of control to the customer. If a contract contains a single performance obligation, the entire transaction price is allocated to the single performance obligation. Contracts that contain multiple performance obligations such as different products or products and services the Company performs an allocation of the transaction price to each performance obligation based on a relative standalone selling price basis.

The Company records revenues net of any value added or sales tax.

In accordance with ASC 606, the Company's revenues are recognized as follows

The Company generates its revenues primarily from the sale of products such as electro mechanical components and RFID and Automatic Identification Data Capture hardware manufactured by third parties, through a direct sales to its customers. Revenues from sales of products are recognized at the point of time when the control of the product is passed on to the customer, mostly upon delivery to the customer, either at the Company premises by delivery to the customer carrier or upon delivery to the customer premises, as applicable to each contract.

Revenues from service contracts are recognized over the contract's period (for time-based services) or based on the amount of work performed (for on-site inventory count and similar services). Renewals of service support contracts create new performance obligations that are satisfied over the term with the revenues recognized ratably over the period.

For arrangements that involve the delivery or performance of multiple products or products sold with service contracts, the Company analyzes whether the goods or services that were promised to the customer are distinct. A good or service promised to a customer is considered 'distinct' if both of the following criteria are met: 1. The customer can benefit from the goods or service, either on its own (i.e. without any professional services, updates or technical support) or together with other resources that are readily available to the customer; and, 2. The Company's promise to transfer the goods or service to the customer is separately identifiable from other promises in the contract.

Revenues from service contracts sold to customers within a single contractually binding arrangement together with products, were determined to be distinct and therefore, are accounted for revenue recognition purposes, as a separate performance obligation. Accordingly, the amount attributed to the service contract is recognized over time, on a

straight-line basis over the contract's period, as the services are mostly refer to time-based support services.

Deferred revenues include unearned amounts received from customers (mostly for service contracts and advances from customers) but not yet recognized as revenues. Deferred revenues from service contracts are recognized over the period of the contract and advances are recognized once the delivery of the products is done. Deferred revenues include advanced payments from customers in the amount of \$243 as of December 31, 2018. This amount is 4. expected to be recognized during 2019, once the delivery of the products is done. In addition, deferred revenues include unearned amounts from service contracts, which are mostly for a period of three to five years, and the Company recognizes the revenues over the contract's period. As of December 31, 2018, the deferred revenues from service contracts amounted to \$408. This amount will be recognized in the years 2019 until 2021, and immaterial amounts related to software.

### *Costs and Operating Expenses*

Our costs associated with a particular project may vary significantly depending on the specific requirements of the customer, the terms of the agreement, as well as on the nature of the products. As a result, our gross profits from each project may vary significantly.

In August 2012, we entered into a cooperation agreement with an independent software development company for the maintenance, development and support of our software solutions. The selling and marketing of the software solutions continues to be performed by our RFID and Mobile Solutions division.

Our selling and marketing expenses consist primarily of salaries and related costs, commissions earned by sales, marketing and operational personnel, facilities costs, trade show expenses, promotional expenses and overhead costs allocated to selling and marketing activities, as well as depreciation expenses and travel costs.

Our general and administrative expenses consist primarily of salaries and related costs earned by management and financial departments, professional service fees, expenses related to our directors, Nasdaq fees, investor relations and legal fees.

Our operating results are significantly affected by, among other things, the level of revenues. Our revenues in any quarter are substantially dependent on orders received and delivered in that quarter. As a result, our revenues and income (loss) may fluctuate substantially from quarter to quarter. Certain of our expenses are mainly fixed or partially fixed and any fluctuation in revenues will generate a significant variation in gross profit and net income (loss).



Table of Contents

**Critical accounting policies:**

Our discussion and analysis of our financial condition and results of operations is based on our consolidated financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States. The preparation of our financial statements in conformity with generally accepted accounting principles in the United States requires our management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. These amounts and disclosures could potentially be materially different under other assumptions and conditions. These are our management's best estimates based on experience and historical data, however, actual results could differ materially from these estimates. Our significant accounting principles are presented within Note 2 to our Consolidated Financial Statements attached to this annual report. While all the accounting policies impact the financial statements, certain policies may be viewed to be critical. Management believes that the following policies are those that are most important to the portrayal of our financial condition, results of operations and for fully understanding and evaluating our reported results:

Inventories

Impairment of long-lived assets and intangible assets subject to amortization

Goodwill

Revenue recognition

Inventories:

The inventory is valued at the lower of cost or net realizable value. Cost is determined using the moving average a. cost method. In 2018 and 2017, inventory write-offs amounted to \$52 and \$75, respectively.

Inventory write-offs and write-downs are provided to cover risks arising from slow-moving items or technological obsolescence.

b. Impairment of long-lived assets and intangible assets subject to amortization:

The Company's long-lived assets are reviewed for impairment in accordance with ASC 360-10, *Accounting for the Impairment or Disposal of Long-Lived Asset*, whenever events or changes in circumstances indicate that the carrying amount of an asset (or asset group) may not be recoverable. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset (or asset group) to the future undiscounted cash flows expected to be generated by the assets (or asset group). If such assets are considered to be impaired, the impairment to be recognized is measured as the amount by which the carrying amount of the assets exceeds their fair value.

Recoverability of intangible assets is measured by a comparison of the carrying amount of the asset to the undiscounted future cash flows expected to be generated by the asset. If intangible assets are considered to be impaired, the amount of any impairment is measured as the difference between the carrying value and the fair value of the impaired assets.

Intangible assets with finite lives are amortized using the straight-line basis over their useful lives, to reflect the pattern in which the economic benefits of the intangible assets are consumed or otherwise used up. As of December 31, 2018 the remaining intangible assets were comprised of customer relationship. (see Note 7 to the Consolidated Financial Statements for the year ended December 31, 2018).

For each of the three years ended on December 31, 2018, 2017 and 2016, no impairment losses were identified.

Table of Contents

Goodwill:

Goodwill represents excess of the costs over the net assets of businesses acquired. Under ASC 350, *Intangibles - Goodwill and Other* (“ASC 350”), goodwill is not amortized but instead is tested for impairment at least annually or between annual tests in certain circumstances, and written-down when impaired.

The Company performs its annual impairment analysis of goodwill as of December 31 of each year, or more often if indicators of impairment are present. The provisions of ASC 350 require that a two-step impairment test be performed on goodwill at the level of the reporting units. In the first step, or “Step 1”, the Company compares the fair value of each reporting unit to its carrying value. If the fair value exceeds the carrying value of the net assets, goodwill is considered not impaired, and the Company is not required to perform further testing. If the carrying value of the net assets exceeds the fair value, then the Company must perform the second step, or “Step 2”, of the impairment test in order to determine the implied fair value of goodwill. To determine the fair value used in Step 1, the Company uses discounted cash flows. If and when the Company is required to perform a Step 2 analysis, determining the fair value of its net assets and its off-balance sheet intangibles would require it to make judgments c. that involve the use of significant estimates and assumptions.

The Company operates in two operating-based segments: RFID and Mobile Solutions and Supply Chain Solutions. The Company’s goodwill is related to the RFID and Mobile Solutions segment, which represents a reporting unit as a whole.

The Company determined the fair value of such reporting unit using the Income Approach, which utilizes a discounted cash flow model, as it believes that this approach best approximates the reporting unit’s fair value at this time. The impairment test was based on a valuation performed by management with the assistance of a third party appraiser. Judgments and assumptions related to revenue, operating income, future short-term and long-term growth rates, weighted average cost of capital, interest, capital expenditures, cash flows, and market conditions are inherent in developing the discounted cash flow model. The material assumptions used for the Income Approach for 2018 were five years of projected net cash flows, WACC of 15% and a long-term growth rate of 2%. The Company considered historical rates and current market conditions when determining the discount and growth rates to use in its analyses. If these estimates or their related assumptions change in the future, the Company may be required to record impairment charges for its goodwill.

The aggregate fair value of the RFID and Mobile Solutions segment depends on various factors, some of which are qualitative and involve management judgment, including stable backlog coverage and experience in meeting operating cash flow targets.

During years 2018, 2017 and 2016 no impairment losses have been identified.

d. Revenue Recognition:

The Company derives its revenues mainly from the sale of products and supporting services.

In accordance with ASC Topic 605 “Revenue Recognition”, until December 31, 2017 (prior to the adoption of ASC Topic 606) the Company recognized revenues from sale of products when the following fundamental criteria were met: (i) persuasive evidence of an arrangement exists; (ii) delivery has occurred or services have been rendered; (iii) the price to the customer is fixed or determinable and (iv) collection of the resulting receivable is reasonably assured.

Revenues from service contracts were recognized ratably over the service period.

The Company applied the provisions of ASC Topic 605-25, “Revenue Recognition - Multiple-Element Arrangements”, as amended. ASC Topic 605-25 provides guidance on how to account for arrangements that involve the delivery or performance of multiple products and services. For such arrangements, each element of the contract is accounted for as a separate unit when it provides the customer value on a stand-alone basis.

The Company followed the guidance in ASC 605-35, “Revenue Recognition - Construction-Type and Production-Type Contracts” (“ASC 605-35”), with respect to revenues from customized software solutions, whereby the Company applied the Completed contract method, since the Company was unable to obtain reasonable dependable estimates of the total effort required for completion. Under the completed contract method, all revenue and related costs of revenue were deferred and recognized upon completion. Provisions for estimated losses on contracts in process were recognized in the period such losses were determined.

Deferred revenues included unearned amounts received from customers (mostly for service contracts, software projects and advances from customers) but not yet recognized as revenues. Deferred revenues from service contracts were recognized over the period of the contract and advances were recognized once the delivery of the products is done.

Revenue recognition accounting policy applied from January 1, 2018 (following the adoption of ASC Topic 606):

On January 1, 2018, the Company adopted ASC Topic 606, Revenue from Contracts with Customers (“ASC 606”) using the modified retrospective transition method to all contracts that were not completed on the effective date of ASC 606.

Among others, the Company implemented internal controls and key system functionality to enable the preparation of financial information on adoption. The adoption of ASC 606 resulted in changes to the Company's accounting policies for revenue recognition previously recognized under ASC 605 as detailed below. However, there were no significant changes to the timing or pattern of revenue recognition to any of the revenue streams of the Company under ASC 606 and those that were previously reported under ASC 605. Accordingly, the adoption of ASC 606 did not have material effect on the consolidated statements of operations and balance sheets.

Table of Contents

In accordance with ASC 606, The Company determines revenue recognition through the following five steps:

Identification of the contract, or contracts, with a customer;

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Determination of the transaction price;

Allocation of the transaction price to the performance obligations in the contract; and

Recognition of revenue when, or as, the Company satisfies a performance obligation.

A contract with a customer exists when all of the following criteria are met: the parties to the contract have approved it (in writing, orally, or in accordance with other customary business practices) and are committed to perform their respective obligations, the Company can identify each party's rights regarding the distinct goods or services to be transferred ("performance obligations"), the Company can determine the transaction price for the goods or services to be transferred, the contract has commercial substance and it is probable that the Company will collect substantially all of the consideration to which it will be entitled in exchange for the goods or services that will be transferred to the customer.

The transaction price represents the amount of consideration to which the Company expects to be entitled in exchange for transferring promised goods or services to a customer. The consideration promised in a contract with a customer may include fixed amounts, variable amounts, or both. Variable consideration is included in the transaction price only if it is not considered constrained (i.e. it is considered probable that a significant reversal in the amount of cumulative revenue recognized will not occur).

Revenue is recognized when, or as, the Company satisfies a performance obligation by transferring a promised good or service to a customer. A product is transferred when, or as, the customer obtains control of that product, and a service is considered transferred as the services are received and used by the customers.

Revenues are recorded in the amount of consideration to which the Company expects to be entitled in exchange for performance obligations upon transfer of control to the customer. If a contract contains a single performance obligation, the entire transaction price is allocated to the single performance obligation. Contracts that contain multiple performance obligations such as different products or products and services the Company performs an

allocation of the transaction price to each performance obligation based on a relative standalone selling price basis.

The Company records revenues net of any value added or sales tax.

In accordance with ASC 606, the Company's revenues are recognized as follows:

The Company generates its revenues primarily from the sale of products such as electro mechanical components and RFID and Automatic Identification Data Capture hardware manufactured by third parties, through a direct sales to its customers. Revenues from sales of products are recognized at the point of time when the control of the product is passed on to the customer, mostly upon delivery to the customer, either at the Company premises by delivery to the customer carrier or upon delivery to the customer premises, as applicable to each contract.

Revenues from service contracts are recognized over the contract's period (for time-based services) or based on the amount of work performed (for on-site inventory count and similar services). Renewals of service support contracts create new performance obligations that are satisfied over the term with the revenues recognized ratably over the period.

For arrangements that involve the delivery or performance of multiple products or products sold with service contracts, the Company analyzes whether the goods or services that were promised to the customer are distinct. A good or service promised to a customer is considered 'distinct' if both of the following criteria are met: 1. The customer can benefit from the goods or service, either on its own (i.e. without any professional services, updates or technical support) or together with other resources that are readily available to the customer; and, 2. The Company's promise to transfer the goods or service to the customer is separately identifiable from other promises in the contract.

Revenues from service contracts sold to customers within a single contractually binding arrangement together with products, were determined to be distinct and therefore, are accounted for revenue recognition purposes, as a separate performance obligation. Accordingly, the amount attributed to the service contract is recognized over time, on a straight-line basis over the contract's period, as the services are mostly refer to time-based support services.

Deferred revenues include unearned amounts received from customers (mostly for service contracts and advances from customers) but not yet recognized as revenues. Deferred revenues from service contracts are recognized over the period of the contract and advances are recognized once the delivery of the products is done. Deferred revenues include advanced payments from customers in the amount of \$243 as of December 31, 2018. This amount is expected to be recognized during 2019, once the delivery of the products is done. In addition, deferred revenues include unearned amounts from service contracts, which are mostly for a period of three to five years, and the Company recognizes the revenues over the contract's period. As of December 31, 2018, the deferred revenues from service contracts amounted to \$408. This amount will be recognized in the years 2019 until 2021, and immaterial amounts related to software.





Table of Contents

**Legal Contingencies**

On December 4, 2018 the lessors of the Company's facilities in Rishon Lezion filed a claim against the Company in the amount of NIS 1,800,000 (approximately \$500,000). The Company was the previous owner of these facilities and had sold them to the Lessor in May 2013. The plaintiffs claim the Company misrepresented the physical status of the sold premises. The Company rejects the claim and has filed a counterclaim of NIS 850,000 (approximately \$222,000) alleging breaches by the lessors of the lease agreement.

On April 9, 2017 D.D. Goldstein Properties and Investments Ltd., a shareholder of the Company (the "Plaintiff") filed a claim against the Company's Chairman Yosi Lahad, the Company's Co-CEO, Yuval Viner, the Company's Co-CEO and CFO, Eyal Cohen and Ms. Gabriela Jacobs, an (indirect) shareholder of the Company.

On February 17, 2019 the parties reached a settlement agreement, which received court approval, pursuant to which the claim was dismissed against a certain payment to the Plaintiff. The payment was made by the Company's insurance company, and the Company contributed the deductible in the amount of \$35,000.

**5A. Operating Results**

**Comparison of 2018 and 2017**

Consolidated revenues increased by 13% to \$32.7 million in year 2018 from \$28.9 million in year 2017. Our supply chain division saw revenue growth of 17% and the RFID & Mobile division had revenue growth of 7%. The growth of the Supply Chain division revenues was due primarily to increased sales in the Far East. The growth in the RFID and Mobile Division revenues was due to new customers.

Gross profit for 2018 was \$6.75 million (a gross margin of 20.7%) as compared to \$6.35 million (a gross margin of 21.9%) for 2017. The decrease in gross profit margin was due primarily to a decline in the gross profit margin of the RFID and Mobile Division from 26.5% in year 2017 to 23% in year 2018, as a result of competition.

Operating expenses increased to \$5.54 million in 2018 from \$5.26 million in 2017. The increase in expenses was due primarily to the following factors:

An increase of \$120,000 in the fees for the services of iDnext and Next-Line. iDnext and Next-Line provide professional services to the inventory counting unit, which is part of the RFID and Mobile Division. In January 2016, the Company bought the assets of iDnext and Next-Line. In February 2019, the Company terminated the service agreement with iDnext and Next-Line.

An increase of \$80,000 in sales and marketing expenses that was due to an increase in commissions to sales agents and employees as a result of a 13% growth in revenues in year 2018 as compared to year 2017.

Our payroll payments to employees are incurred in NIS. In order to manage the exposure to foreign currency exchange rates related to these expenses, the Company uses derivative instruments. In 2018, the NIS depreciated against the dollar by 8.1%, resulting in an increase of \$74,000 in our hedging expenses.

Financial expenses decreased to \$255,000 in year 2018 from \$297,000 in year 2017. The reduction in financial expenses, mainly in interest expenses, was due to the reduction of our bank loan balances from \$3 million (NIS 10.5 million) in December 31, 2017 to \$2.34 million (NIS 8.7 million) in December 31, 2018.

Table of Contents

Net income for year 2018 was \$990,000 as compared to net income of \$773,000 in 2017. The basic and diluted net income per share in 2018 was \$0.28, compared to basic and diluted net income per share of \$0.24 in 2017.

**Comparison of 2017 and 2016**

Consolidated revenues increased by 5% to \$28.9 million in year 2017 from \$27.4 million in year 2016. The increase is mainly related to an increase in revenues of the RFID and Mobile division from \$12.2 million in 2016 to \$13.7 million in 2017. The growth in the RFID and Mobile division is attributed mainly to inventory counting services.

Gross profit for 2017 was \$6.35 million (gross margin of 21.9%) as compared to \$5.3 million (gross margin of 19.3%) for 2016. The increase in gross profit is attributable to the increase in revenues and increase in gross profit margins in both divisions. The increase in gross profit margins in both divisions is mainly attributed to increase in sales price.

Operating expenses increased to \$5.26 million in 2017 from \$4.6 million in 2016. The increase in expenses is attributed mainly to the following factors:

We incur a significant portion of our expenses in NIS. Such costs are mainly attributed to salaries and lease of our facilities and cars. Hence, devaluation of US dollar against the NIS during year 2017 in the rate of 9.8% increased our cost of our operations by approximately \$192,000 as compared to year 2016.

General and administrative expenses of year 2016 include income in the amount of \$178,000 that are attributed to the write-off in a contingent liability related to the acquisition of the business operations of iDnext (see Note 3 to the Consolidated Financial Statements for the year ended December 31, 2017).

An increase of \$170,000 in sales and marketing expenses that was due to an increase in commissions to sales agents and employees as a result of a 6% growth in revenues in year 2017 as compared to year 2016

Financial expenses decreased to \$297,000 in year 2017 from \$339,000 in year 2016. The reduction in financial expenses, mainly in interest expenses, was due to the reduction of our bank loan balances (denominated in NIS) from \$3.1 million (NIS 12.1 million) in December 31, 2016 to \$3 million (NIS 10.5 million) in December 31, 2017.

Net income for year 2017 was \$773,000 as compared to net income of \$360,000 in 2016. The basic and diluted net income per share in 2017 was \$0.24, compared to basic and diluted net income per share of \$0.14 in 2016.

### **Variability of Quarterly Operating Results**

Our revenues and profitability may vary in any given year, and from quarter to quarter, depending on the mix of products sold. In addition, due to potential competition and other factors, we may be required to reduce prices for our products and services in the future.

Our future results will be affected by a number of factors including our ability to:

establish effective sales channels and manage them;

introduce and deliver new products on a timely basis;

anticipate accurately customer demand patterns;

## Table of Contents

manage future inventory levels in line with anticipated demand; and

successfully meet bank financial covenants.

These results may also be affected by currency exchange rate fluctuations and interest rate and economic conditions in the geographical areas in which we operate. There can be no assurance that our historical trends will continue, or that revenues, gross profit and net income in any particular quarter will not be lower than those of the preceding quarters, including comparable quarters.

### **Impact of Inflation and Currency Fluctuations**

In 2018, the NIS depreciated against the dollar by approximately 8.1%, while in 2017 the NIS appreciated against the dollar by 9.8%. In 2016 the NIS appreciated against the dollar by 1.5% and in 2015, the NIS depreciated by approximately 0.3%, against the dollar. In the year ended December 31, 2018 and 2017, the inflation rate in Israel was 0.8% and 0.4%, respectively. In 2016 and 2015, the annual deflation was 0.2% and 1%, respectively. Therefore, the U.S. dollar cost of our Israeli operations decreased in 2018 and 2015 and increased in 2017 and 2016. We cannot predict any future trends in the rate of inflation in Israel and whether the NIS will appreciate against the U.S. dollar or vice versa. Any increase in the rate of inflation in Israel, unless the increase is offset on a timely basis by a devaluation of the NIS in relation to the U.S. dollar, will increase our labor and other costs, which will increase the U.S. dollar cost of our operations in Israel and harm our results of operations.

### **Effective Corporate Tax Rate**

The Israeli corporate tax rate was 26.5% in 2015, 25% in 2016 and 24% in 2017. Effective as of January 1, 2018 the corporate tax rate is 23%.

### **Conditions in Israel**

We are incorporated under the laws of the State of Israel, where we also maintain our headquarters and our research and development and manufacturing facilities. See Item 3D. “Risk Factors – Risks Relating to Our Location in Israel” for a description of governmental, economic, fiscal, monetary or political policies or factors that have materially affected or could materially affect our operations.



Table of Contents

**5B. Liquidity and Capital Resources**

In the year ended on December 31, 2018, the Company had net income of \$990,000 as compared to \$773,000 in the year 2017 and \$360,000 in the year 2016. In the year ended December 31, 2018, the Company generated a positive cash flow from operating activities amounting to \$765,000 as compared to cash flow from operating activities amounting to \$355,000 in 2017 and a negative cash flow from operating activities amounting to \$361,000 in 2016. The Company's cash and cash equivalents amounted to \$1.4 million as of December 31, 2018. The Company had a positive working capital of \$7,637,000, \$7,342,000, and \$6,099,000 as of December 31, 2018, December 31, 2017, and December 31, 2016, respectively.

We finance our activities by different means, including short and long-term loans, cash flow from operating activities and issuance of Company shares.

Working capital requirements will vary from time-to-time and will depend on numerous factors, including but not limited to, the operating results, scope of sales and supplier and customer credit terms.

As of December 31, 2018, we had \$1.87 million in long-term debt (net of current maturities of \$467,000) and no short term bank loans.

The Company's loans from Bank Beinleumi are secured by:

first ranking fixed charge on any unpaid share capital of the Company, the goodwill of the Company, and any insurance entitlements in the Company's assets pledged thereunder; and

floating charges on all of the assets of the Company and our Israeli subsidiaries, owned now or in the future.

The Company also guarantees the liabilities of its Israeli subsidiaries to Bank Beinleumi and each of its Israeli subsidiaries guarantees the Company's liabilities to Bank Beinleumi.

We rely on Bank Beinleumi to provide all of the credit facilities to our subsidiaries. In October 2017 we replaced all our Bank Leumi credit facilities with credit facilities from Bank Beinleumi, so that currently our outstanding bank debt, is owed to Bank Beinleumi.

In February 2015, the Company entered into the 2015 SEDA with YA Global. The 2015 SEDA provides that, upon the terms and subject to the conditions set forth therein, YA Global is committed to purchase up to \$1,300,000 of the Company's Ordinary Shares over a 40-month commitment period. The Company issued 28,930 shares to YA Global as a commitment fee for this financing. The purchase price of the Ordinary Shares will be at a 7% discount off the average share trading price, calculated as described in the 2015 SEDA. The Ordinary Shares to be issued to YA Global under the 2015 SEDA will be issued pursuant to an exemption from registration under the Securities Act of 1933, as amended. Pursuant to the 2015 SEDA, the Company has an obligation to file a registration statement with the U.S. Securities and Exchange Commission covering the resale by YA Global of any shares to be issued to YA Global under the 2015 SEDA. As of March 15, 2019, \$1,195,000 has been drawn on this equity line, for which the Company issued an aggregate of 628,229 Ordinary Shares.

In May 2017, the Company entered into the 2017 SEDA with YA II. The 2017 SEDA provides that, upon the terms and subject to the conditions set forth therein, YA II is committed to purchase up to \$2,000,000 of the Company's Ordinary Shares over a 4-year commitment period. The Company issued 67,307 shares to YA Global II SPV, LLC as a commitment fee for this financing. The purchase price of the Ordinary Shares will be at a 7% discount off the average share trading price, calculated as described in the 2017 SEDA. The Ordinary Shares to be issued to YA II under the 2017 SEDA will be issued pursuant to an exemption from registration under the Securities Act of 1933, as amended. Pursuant to the 2017 SEDA, the Company has an obligation to file a registration statement with the U.S. Securities and Exchange Commission covering the resale by YA II of any shares to be issued to YA II under the 2017 SEDA. As of March 15, 2019, \$900,000 has been drawn on this equity line for which the Company has issued an aggregate of 355,048 Ordinary Shares. The Company has an effective registration statement covering the resale by YA II of up to 878,161 Ordinary Shares that the Company may sell to YA II under the 2017 SEDA (including Ordinary Shares which have been issued as of March 15, 2019).

On January 1, 2016 the Company issued 162,734 Ordinary Shares as part of the consideration in the iDnext business acquisition.

On July 18, 2018, our general meeting of shareholders approved an increase of 2,000,000 Ordinary Shares in the Company's authorized share capital, following which the Company's authorized share capital is NIS 480,000,000, divided into 6,000,000 Ordinary Shares, nominal value NIS 80.00 per Share.

We have in-balance sheet financial instruments and off-balance sheet contingent commitments. Our in-balance sheet financial instruments consist of our assets and liabilities. Our cash is held in bank accounts in U.S. dollars and NIS bearing no interest. As of December 31, 2018, our trade receivables' and trade payables' aging days were 96 and 58 days, respectively. The fair value of our financial instruments is similar to their book value. Our off-balance sheet contingent commitments consist of: (a) royalty commitments that are directly related to our future revenues, (b) lease commitments of our premises and vehicles, and (c) directors' and officers' indemnities, in excess of the proceeds received from liability insurance which we obtain.



The Company had working capital of \$7,637,000 as of December 31, 2018. It is the Company's opinion that current working capital is sufficient for the Company's ongoing operation. The Company may grow its business through acquisitions of complementary business for both divisions. In order to finance such acquisitions, the Company might need to significantly increase its debt and raise additional equity financing.

Table of Contents

**Cash Flows**

Net cash provided by operating activities was \$765,000 in 2018 and \$355,000 in 2017. Net cash used in operating activities in 2016 was \$(361,000), due to working capital requirements related to the acquisition of the business of iDnext and Next-Line.

Net cash used in investment activities in year 2018 amounted to \$796,000 and includes cost of \$500,000 related to warehouse renovation. Net cash used in investment activities in year 2017 amounted to \$344,000 and includes cost of \$138,000 related to offices renovation. Net cash used in investment activities in year 2016 amounted to \$268,000 and included payment of \$154,000 for acquisition of the business of iDnext and Next-Line business.

Net cash used in financing activities in 2018 amounted to \$92,000. Net cash provided by financing activities in 2017 and 2016 amounted to \$236,000 and \$496,000, respectively.

**5C. Research and Development**

Since August 2012 and following a cooperation agreement the Company entered into with an independent software development company for the maintenance, development and support of our software solutions, the Company has no research and development expenses. The selling and marketing of the software solutions continues to be performed by our RFID and Mobile Solutions division.

**5D. Trend Information**

BOS' vision is to become a leading Israeli integrator of RFID and Mobile solutions in Israel and a global provider of electronic components with supply chain added value services.

Committed to this vision, we anticipate that RFID and Mobile product offerings will increase, mainly through acquisitions of complementary solutions.

On March 19, 2019 the Company signed a definitive agreement to purchase the assets of Imdecol Ltd., a global integrator and manufacturer of automatic and robotic systems that enhance the productivity of production lines. The

transaction is expected to close by June 1, 2019. Through the integration with Imdecol, BOS RFID and Mobile division will significantly expand its offerings to its existing worldwide manufacturer client base.

### 5E. Off-Balance Sheet Arrangements

Not applicable.

### 5F. Tabular Disclosure of Contractual Obligations

The following table of our material contractual obligations as of December 31, 2018, summarizes the aggregate effect that these obligations are expected to have on our cash flow in the periods indicated (in U.S. thousands of dollars with the exception of per share data):

	Total	Less than 1 year	1-3 years	3-5 years	More than 5 years
Long-term loans <sup>(1)</sup>	\$2,334	\$467	\$1,401	\$466	\$ -
Accrued severance pay <sup>(2)</sup>	\$301	\$-	\$-	\$-	\$ 301
Operating lease - cars <sup>(3)</sup>	\$337	\$220	\$117	\$-	-
Purchase obligation for service and inventory	\$7,866	\$7,605	\$261	-	-
Facilities lease	\$768	\$177	\$468	\$123	\$-
Total	\$11,606	\$8,469	\$2,247	\$589	\$301

<sup>(1)</sup> In October 2017, the Company and its Israeli subsidiaries entered into an agreement with Bank Beinleumi for the provision of credit facilities in order to refinance Company's loans with Bank Beinleumi.

<sup>(2)</sup> The time for payment of the severance cannot be predicted.

<sup>(3)</sup> The Company has pre-paid the last instalment of each of the motor vehicles as a deposit.

Table of Contents**Item 6: Directors, Senior Management and Employees****6A. Directors and Senior Management**

Set forth below is information regarding our directors and senior management.

Name	Age	Position
Mr. Yosi Lahad (*)	64	Chairman of the Board of Directors
Mr. Yuval Viner	56	Co-Chief Executive Officer and Director
Mr. Avidan Zelicovsky	49	President and Director
Mr. Eyal Cohen	49	Co-Chief Executive Officer and Chief Financial Officer
Ms. Revital Cohen	42	Director
Ms. Odelia Levanon (*)	56	Director
Mr. Ziv Dekel	54	Director
Mr. Ralph Sassun (*)	49	Chairman of Audit and Compensation Committees

(\*)Member of our audit committee and compensation committee.

**Mr. Yosi Lahad** was appointed as Chairman of the Board in 2015. Mr. Lahad brings valuable experience in strategic and business development in a variety of industries and mainly in automation and robotic systems. Mr. Lahad has served as the CEO or Chairman for several technology companies from early stage to growth and has overseen several M&A transactions in the United States, Israel and China. Mr. Lahad serves as an active Board Chairman/member of JPI Group China, a consulting company for the Chinese market, of AtlasSense, a provider of innovative analytics of health information, and of NextWave Robotics. Previously, Mr. Lahad served as the Managing Director of Tadiran's operations in China and as a Division VP at ELBIT Systems. Mr. Lahad has been a faculty member/Adjunct Professor lecturing on strategy of emerging companies and innovation in a joint program of Wharton school of business at University of Pennsylvania and Tel-Aviv University. Mr. Lahad holds a BSc. in engineering from the Technion, an MSc. in engineering from the University of Texas (UTA) and an MBA from Tel Aviv University.

**Mr. Yuval Viner** is the Company's Co-CEO, leading the Company's RFID and Mobile division and has been a member of the Board of Directors since 2015. Mr. Viner has more than 25 years of experience in integration of inventory tracking systems. He joined BOS' in 2008 as part of the Company's acquisition of the assets of Dimex Systems. Mr. Viner has been with Dimex since 1993. Mr. Viner is a graduate of the Practical Engineering Academy of Tel Aviv.

**Mr. Avidan Zelicovsky** is the President of the Company, leading the Company's Supply Chain division and has been a member of the Board of Directors since 2015. Mr. Zelicovsky has more than 20 years of experience in supply chain management, with a focus on electronic components for the aerospace, defense and high technology industry. He joined BOS as part of the Company's acquisition of Odem in November 2004. Mr. Zelicovsky has been with Odem since 1996. He holds a BA in Business Administration from the Tel Aviv College of Management and an LL.M. from the Bar-Ilan University.

**Mr. Eyal Cohen** was appointed as the Company's Chief Financial Officer in January 2007. In August 15, 2017, Mr. Cohen was appointed as the Company's Co-Chief Executive Officer, a position he holds together with Mr. Yuval Viner. From 2004 through 2006, Mr. Cohen served as the Company's controller, and prior to that held the position of Chief Financial Officer at Cellact Ltd, a technology company. From 1998 to 2001, Mr. Cohen was the controller of e-SIM Ltd., a technology company traded on NASDAQ in the past, and in the years 1995-1997 held an audit manager position in technology department of PricewaterhouseCoopers. Mr. Cohen holds a B.A. in Accounting and Business Administration from the College of Management in Tel-Aviv and is a certified public accountant in Israel and in the United States, in the state of Maine.

Table of Contents

**Ms. Revital Cohen** joined our Board of Directors in December 2017. Since 2011, Ms. Cohen has served as a consultant to enterprises that enhance the efficiency of inventory management, mainly through implementation of enhanced and innovative technology. Ms. Cohen offers a deep understanding of the logistics industry and a valuable perspective as a logistic consultant. Prior to 2011, Ms. Cohen was a senior consultant with Step Economic Consulting Ltd. She holds a BA in Sociology and Education, and an MA in Organizational Studies from the Hebrew University in Jerusalem. Ms. Cohen is a sister-in-law of Mr. Eyal Cohen, the Company's Co-CEO and CFO.

**Ms. Odelia Levanon** joined our Board of Directors in November 2015. She has more than 15 years' of experience as Chief Information Officer for leading retailers in Israel, some of which have been BOS' customer and she contributes to BOS a valuable customer perspective. Ms. Levanon served for 12 years as Chief Information officer of Mega retail (was one of the biggest food retail chain in Israel) and for 3 years as Chief Information officer of Irani Group (one of the leading fashion retail chain in Israel). Since November 2017, Ms. Levanon has been the CEO of the IUCC - Inter-University Computation Center. Ms. Levanon is a lecturer on management information systems at the Israel Academic College in Ramat Gan. Ms. Levanon holds a B.Sc. in Mathematics and Computer Sciences and an M.Sc. in Computer Sciences, both from Tel Aviv University.

**Mr. Ziv Dekel** joined our Board of Directors in June 2015. Mr. Dekel contributes valuable experience in strategic business planning and assisted BOS through the process of preparing its current strategic plan. Mr. Dekel has over 25 years of management and strategic consulting experience for a wide range of business entities in diverse industries. In 1989, Mr. Dekel joined Shaldor Strategy Counseling as an analyst, and from 2002 through 2010 served as Shaldor's CEO and Managing Partner. Mr. Dekel holds a BA in Economics and an MBA, both from Tel-Aviv University.

Mr. Ralph Sassun joined our Board of Directors in January 2019. Mr. Sassun brings extensive experience in international finance. He served as the Head of Treasury for Zim Integrated Shipping Services Ltd (TASE: ILCO) from 2010 through 2014 and as Director of Economics & Treasury for Ceragon Networks Ltd. (NASDAQ&TASE: CRNT) during 2002-2009. Currently, Mr. Sassun serves as the CFO and COO of Inovytec Medical Solutions Ltd. Mr. Sassun holds a BA and an MA in Economics and Statistics from The Hebrew University of Jerusalem, as well as an MBA from Tel-Aviv University.

**6B. Compensation**

The following table presents the total compensation paid to or accrued on behalf of all of our directors and officers as a group for the year ended December 31, 2018. Directors who are also executive officers do not receive director fees.

Salaries, Directors'	Pension, Retirement
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	fees, Service fees, Commissions and Bonus	and Similar benefits
All directors and officers as a group (then 8 persons).	\$ 805,000	\$ 89,000

Table of Contents

**Compensation Requirements under Israeli Law**

*Compensation Policy*

In December 2012, an amendment to the Israeli Companies Law, or Amendment 20, became effective, requiring public companies to appoint a compensation committee. See “Compensation Committee” below for information concerning our Compensation Committee.

Pursuant to Amendment 20, we were required to adopt a compensation policy regarding the terms of office and employment of office holders, including compensation, severance and other benefits, exemptions from liability, insurance and indemnification. The Compensation Policy must be based on the considerations, must include the provisions and needs to reference the matters which are detailed in the Israeli Companies Law. An “office holder” is defined in the Israeli Companies Law as a general manager, chief executive officer, chief business manager, deputy general manager, vice general manager, any other person assuming the responsibilities of any of the foregoing positions without regard to such person’s title, a director and a manager directly subordinate to the chief executive officer.

As required by the Israeli Companies Law, our Compensation Policy for Executive Officers and Directors (the “Compensation Policy”) was approved by our Board of Directors, after considering the recommendations of the Compensation Committee. According to the Israeli Companies Law, a compensation policy must also be approved by a majority of a company’s shareholders, provided that (i) such majority includes at least a majority of the shareholders who are not controlling shareholders and who do not have a personal interest in the matter, who are present and voting, or (ii) the non-controlling shareholders and shareholders who do not have a personal interest in the matter who were present and voted against the policy hold two percent or less of the voting power of the company (the “Compensation Majority”). Our new Compensation Policy was approved by a Compensation Majority on July 18, 2018.

The Compensation Policy must be approved by the Board of Directors and the Company’s shareholders every three years. In the event that the Compensation Policy is not approved by the Company’s shareholders, the Compensation Committee and the Board of Directors may still approve the policy, if the Compensation Committee and the Board of Directors determine, based on specified reasons and following further discussion of the matter, that the Compensation Policy is in the best interests of the Company.

Changes to existing terms of office and employment of office holders (other than directors), only requires the approval of the Compensation Committee, if the Compensation Committee determines that the revised terms are not substantially different from the existing terms.



Pursuant to Amendment 20, any arrangement between a company and an office holder (other than a director or the chief executive officer) as to his or her terms of office and employment must be in line with the company's compensation policy and requires the approval of such company's compensation committee and board of directors. However, under certain circumstances and conditions, the compensation committee and the board of directors may approve an arrangement that deviates from the company's compensation policy, provided that such arrangement is approved by the Compensation Majority of the company's shareholders. The board of directors and the compensation committee of a company may, under special circumstances and for specified reasons, approve such an arrangement even if the shareholders did not approve it, following a re-discussion of the matter in which, among other things, any shareholders' objections were examined.

#### *Directors*

Pursuant to Amendment 20, any arrangement between a company and a director as to his or her terms of office and employment must be in compliance with the Compensation Policy and requires the approval of the Compensation Committee, the board of directors and the shareholders by a simple majority.

Under the Israeli Companies Law and regulations promulgated pursuant thereto, the compensation payable to External Directors and independent directors is subject to certain further limitations.

In accordance with the approval of our shareholders in December 2017, directors who are not employees or service providers of the Company (excluding the Chairman) are entitled to receive annual compensation of NIS 29,270 (approximately \$8,150), paid on a quarterly basis, and an additional NIS 2,175 (approximately \$604) for each board and board committee meeting attended (or 60% of the attendance fee for a board meeting held via teleconference or 50% of such fee for a meeting held without convening).

Table of Contents

In addition, in December 2017 our shareholders approved a grant to each of our directors (excluding the Chairman) of options to purchase 7,500 Ordinary Shares. The options shall be granted to those directors elected or re-elected by the shareholders in December 2017, provided that three years have lapsed since the Company's previous grant of options to such director, and to future directors to be elected for the first time to the Board of Directors. The grant date will be the date of approval of appointment or reappointment of the director at the shareholders meeting. The options' exercise price is calculated as the weighted average of the closing prices of the shares on the Nasdaq Capital Market during the 20 trading days preceding the date of approval of the grant by the Board of Directors.

The options will vest and become exercisable annually over a period of three years, in three equal parts, such that one third of the options shall vest on each of the first, second and third anniversary of the grant date, provided that the director is still serving on the Company's Board of Directors at the applicable vesting date.

The maximum option term is five years from the date of grant.

Payment of the exercise price must be made in full upon exercise of the options, by cash or check or cash equivalent, or by the assignment of the proceeds of a sale of some or all of the Ordinary Shares being acquired upon exercise of options, or by any combination of the foregoing.

The options are exercisable only by the director, and may not be assigned or transferred except following approval of the Company's audit committee or compensation committee, as applicable, by will or by the laws of descent and distribution. The options shall be exercisable during the term the director holds office (up to five years) or within 60 days following termination of this position, with certain exceptions in the case of the death or disability.

The Compensation of the directors is in compliance with the Company's Compensation policy approved by the shareholders on July 18, 2018.

Under recent amendments to Regulation 5D of the Israeli Companies Regulations (Reliefs for Public Companies whose Shares are Listed on a Stock Exchange Outside of Israel), 5760-2000 ("Relief Regulations"), Israeli companies with securities listed on certain foreign exchanges, including NASDAQ, such as the Company, that satisfy certain conditions, namely, (i) meeting the applicable foreign country laws and regulations that apply to companies organized in that country relating to the appointment of independent directors and composition of audit and compensation committees; and (ii) have no controlling shareholder, are exempt from the requirement to appoint External Directors and certain other corporate governance requirements that are otherwise dictated under the Israeli Companies Law. Accordingly, on October 16, 2017, we have chosen to opt out of the requirement to appoint External Directors under the Relief Regulations and related Israeli Companies Law rules concerning the composition of the audit committee and compensation committee of the board of directors.

The Company does not have any contracts with any of its non-employee or non-consultant directors that would provide for benefits upon termination of service.

*Chairman of the Board*

In accordance with the approval of our shareholders in December 2017, the Company's Chairman is entitled to an annual cash compensation of NIS 110,000 (approximately \$31,500) in 2017 and NIS 120,000 (approximately \$34,600) in 2018. The Chairman shall not be entitled to any additional compensation for participation in Board meetings (i.e. attendance fees). Additionally, the shareholders approved the grant to the Company's Chairman of options to purchase 25,500 Ordinary Shares, subject to the reappointment of Mr. Lahad to the Board of Directors at the shareholders meeting of 2018 (at which time, three years will have lapsed since the previous grant of options to Mr. Lahad). The option terms of the Chairman's grant are as follows:

The options' exercise price is calculated as the weighted average of the closing prices of the shares on the Nasdaq Capital Market during the 20 trading days preceding the date of approval of the grant by the Board of Directors.

The options will vest and become exercisable annually over a period of three years, in three equal parts, such that one third of the options shall vest on each of the first, second and third anniversary of the grant date, provided that the Chairman is still serving on the Company's Board of Directors at the applicable vesting date.

The maximum option term is five years from the date of grant.

Payment of the exercise price must be made in full upon exercise of the options, by cash or check or cash equivalent, or by the assignment of the proceeds of a sale of some or all of the Ordinary Shares being acquired upon exercise of options, or by any combination of the foregoing.

The options are exercisable only by the Chairman, and may not be assigned or transferred except following approval of the Company's audit committee or compensation committee, as applicable, by will or by the laws of descent and distribution. The options shall be exercisable during the term the Chairman holds office (up to five years) or within 60 days following termination of this position, with certain exceptions in the case of the death or disability.

Table of Contents

*Chief Executive Officers*

Pursuant to Amendment 20, any arrangement between a company and its chief executive officer, or CEO, as to his or her terms of office and employment must be in line with the Compensation Policy and requires the approval of the compensation committee, the Board of Directors and the Company's shareholders by the Compensation Majority.

Under certain circumstances and conditions, the Compensation Committee and the Board of Directors may approve an arrangement that deviates from the Compensation Policy provided it is approved by the shareholders by the Compensation Majority. In addition, under certain circumstances, a company may be exempt from receiving the shareholders' approval with respect to the terms of office and employment of a candidate for chief executive officer if such candidate meets certain independence criteria and the compensation committee has determined for specified reasons that shareholder approval would prevent the engagement, provided that the terms are in-line with the Compensation Policy.

Set forth below is the compensation of our executives in the year ended December 31, 2018:

*Co-CEO Mr. Yuval Viner*

*Monthly Salary:*

A gross monthly base salary of NIS 44,472 (approximately \$12,066) linked to an increase in the CPI, plus customary benefits, which include managers' insurance, education fund, car expenses and long-term disability insurance.

*Bonus:*

A bonus based on achievements of the Company's 2018 targets for Net GAAP profit: one month's salary for a net profit exceeding \$600,000 and two salaries for net profit in excess of \$770,000. In view of the Company's net profit in 2018 Mr. Viner received a bonus equal to two months' salaries.

In addition, in special circumstances, the Board may grant the Co-Chief Executive Officer a bonus irrespective of the achievements of the net profit targets, provided such bonus is capped at a one month salary. On February 25, 2019, our Board approved a special bonus of one half of a monthly salary (NIS 22,236) to Mr. Viner.

The entire bonus to Mr. Viner was paid by issuance of 10,429 shares of the Company. The price per share was based on the weighted average closing price of the Company's shares on NASDAQ during the 20 trading days preceding the date of the approval of the annual financial statements of the Company.

Pursuant to our Compensation Policy, the total annual bonus for the Co-Chief Executive Officer is capped at five (5) monthly salaries. The Board of Directors may reduce any bonus payable to the Co-Chief Executive Officer by up to 20%, at its discretion.

*Options:*

On December 12, 2017, the Company's shareholders approved a grant of options to purchase 20,000 of the Company's Ordinary Shares, on the following terms:

Exercise price: the weighted average closing price of the Ordinary Shares on the NASDAQ during the 20 trading days preceding the date of the approval of the proposed grant by the shareholders of the Company, amounting to \$2.131.

Vesting schedule: the options will vest and become exercisable over a period of three years, in three equal parts, such that one third of the options shall vest on each of the first, second and third anniversary of the date of approval of the grant by the shareholders of the Company, provided that the Co-Chief Executive Officer is still holding office with the Company at the applicable vesting date.

The options shall expire on the fifth anniversary of the date of approval by the Company's shareholders of their grant.

Table of Contents

Co-CEO and CFO, Mr. Eyal Cohen:

*Monthly Salary:*

A gross monthly base salary of NIS 44,472 (approximately \$12,066) linked to an increase in the CPI, plus customary benefits, which include managers' insurance, education fund, car expenses and long-term disability insurance.

*Bonus:*

A bonus based on achievements of the Company's 2018 targets for Net GAAP profit: one salary for a net profit exceeding \$600,000 and two months' salaries for net profit in excess of \$770,000. In view of the Company's net profit in 2018 Mr. Cohen received a bonus equal to two months' salaries.

In addition, in special circumstances, the Board may grant the Co-Chief Executive Officer (and Chief Financial Officer) a bonus irrespective of the achievements of the net profit targets, provided such bonus is capped at a one month salary. On February 25, 2019, our Board approved a special bonus of one half of a monthly salary (NIS 22,236) to Mr. Cohen.

The entire bonus to Mr. Cohen was paid by issuance of 10,429 shares of the Company. The price per share was based on the weighted average closing price of the Company's shares on NASDAQ during the 20 trading days preceding the date of the approval of the annual financial statements of the Company.

As provided in our Compensation Policy, the total annual bonus for the Co-Chief Executive Officer and Chief Financial Officer is capped at five (5) monthly salaries. The Board of Directors may reduce any bonus payable to the Co-Chief Executive Officer and Chief Financial Officer by up to 20%, at its discretion.

*Options:*

On December 12, 2017, the Company's shareholders approved the grant of options to purchase 20,000 of the Company's Ordinary Shares, on the following terms:

Exercise price: the weighted average closing price of the Ordinary Shares on the NASDAQ during the 20 trading days preceding the date of the approval of the proposed grant by the shareholders of the Company, amounting to \$2.131.

Vesting schedule: the options will vest and become exercisable over a period of three years, in three equal parts, such that one third of the options shall vest on each of the first, second and third anniversary of the date of approval of the grant by the shareholders of the Company, provided that the Co-Chief Executive Officer and Chief Financial Officer is still holding office with the Company at the applicable vesting date.

The options shall expire on the fifth anniversary of the date of approval by the Company's shareholders of their grant.

Table of Contents

President Mr. Avidan Zelicovsky

Pursuant to Amendment 20, any arrangement between a company and its President, as to his or her terms of office and employment must be in line with the Compensation Policy and requires the approval of the Compensation Committee, the Board of Directors and the Company's shareholders by the Compensation Majority.

*Monthly Salary:*

A gross monthly base salary of NIS 44,472 (approximately \$12,066) linked to an increase in the CPI, plus customary benefits, which include managers' insurance, education fund, car expenses and long-term disability insurance.

*Bonus:*

A bonus based on achievements of the Company's 2018 targets for Net GAAP profit: one month's salary for a net profit exceeding \$600,000 and two months' salaries for net profit in excess of \$770,000. In view of the Company's net profit in 2018 Mr. Zelicovsky received a bonus equal to two salaries.

In addition, in special circumstances, the Board may grant the President a bonus irrespective of the achievements of the net profit targets, provided such bonus is capped at a one month salary. On February 25, 2019, our Board approved a special bonus of one monthly salary (NIS 44,472) to Mr. Zelicovsky.

*Options:*

On December 12, 2017, the Company's shareholders approved a grant of options to purchase 20,000 of the Company's Ordinary Shares, on the following terms:

Exercise price: the weighted average closing price of the Ordinary Shares on the NASDAQ during the 20 trading days preceding the date of the approval of the proposed grant by the shareholders of the Company, amounting to \$2.131.



Vesting schedule: the options will vest and become exercisable over a period of three years, in three equal parts, such that one third of the options shall vest on each of the first, second and third anniversary of the date of approval of the grant by the Company's shareholders.

The options shall expire on the fifth anniversary of the date of approval by the Company's shareholders of their grant.

For additional information on the compensation of our directors and management see our proxy statements filed with the SEC under Form 6-K on October 25 and June 4, 2018.

Table of Contents

**6C. Board Practices**

**Directors:**

Our Board of Directors is currently comprised of seven directors. The directors are elected by a simple majority at the annual shareholders' meeting, to serve until the next annual meeting of our shareholders and until their respective successors are elected and qualified. Our Articles of Association provide that the number of directors in the Company shall be determined from time to time by the annual general meeting of shareholders, provided that it shall not be less than four nor more than eleven. Our Articles of Association provide that the directors may appoint additional directors (whether to fill a vacancy or to expand the Board of Directors) so long as the number of directors so appointed does not exceed the number of directors authorized by shareholders at the annual general meeting, and such appointees shall serve until the next annual general meeting.

NASDAQ Marketplace Rules require that the board of directors of a NASDAQ-listed company have a majority of independent directors, within the meaning of NASDAQ rules. Our Board of Directors has determined that Messrs. Lahad, Dekel, Sassun and Ms. Levanon, who constitute a majority of the Board of Directors, are independent directors under the applicable Nasdaq Stock Market requirements. In accordance with Nasdaq Rules, our independent directors conduct executive sessions at least twice a year.

Our Articles of Association provide that a director may appoint, by written notice to the Company, any individual to serve as an alternate director, for up to a maximum period of one month, if the alternate director does not already serve as a member of the Board of Directors. An alternate director shall have all of the rights and obligations of the director who appointed him or her and shall be subject to all of the provisions of the Articles of Association and the Israeli Companies Law. Unless the time period or scope of any such appointment is limited by the appointing director, such appointment is effective for all purposes for a period of one month, but in any event will expire upon the expiration of the appointing director's term, removal of the alternate director at an annual general meeting, the bankruptcy of the alternate director, the conviction of the alternate director for an offense in accordance with the Israeli Companies Law, the legal incapacitation of the alternate director, the removal of the alternate director by court order or the resignation of the alternate director. Currently, no alternate directors have been appointed. A director may appoint an alternate director to serve in his place as a member of a committee of the Board of Directors, even if the alternate director currently serves as a director, as long as he does not already serve as a member of that committee.

Officers serve at the discretion of the Board or until their successors are appointed.

According to the provisions of our Articles of Association and the Israeli Companies Law, the Board of Directors convenes in accordance with the Company's requirements, and at least once every three months. Usually, our Board of

Directors convenes more often. Furthermore, our Articles of Association provide that the Board of Directors may also pass resolutions without actually convening, provided that all the directors entitled to participate in the discussion and vote on a matter that is brought for resolution agree not to convene for discussion of the matter. Resolutions passed without convening a meeting, shall be passed by an ordinary majority (just as in the case of convened meetings) and shall have the same effect as resolutions passed at a duly convened meeting.

In accordance with the requirements of the Nasdaq Stock Market, nominees for directors are recommended for election by a majority of the independent directors.

### **External Directors:**

Under the Israeli Companies Law, public companies are required to elect two External Directors who must meet specified standards of independence. External directors may not have during the two years preceding their appointment, directly or indirectly through a relative, partner, employer or controlled entity, any affiliation with (i) the company, (ii) those of its shareholders who are controlling shareholders at the time of appointment and/or their relatives, or (iii) any entity controlled by the company or by its controlling shareholders. Under recent amendments to Relief Regulations, Israeli companies with securities listed on certain foreign exchanges, including NASDAQ, such as the Company, that satisfy certain conditions, namely, (i) meeting the applicable foreign country laws and regulations that apply to companies organized in that country relating to the appointment of independent directors and composition of audit and compensation committees; and (ii) have no controlling shareholder, are exempt from the requirement to appoint External Directors and certain other corporate governance requirements that are otherwise dictated under the Israeli Companies Law. Accordingly, on October 16, 2017, we have chosen to opt out of the requirement to appoint External Directors under the Relief Regulations and related Israeli Companies Law rules concerning the composition of the audit committee and compensation committee of the board of directors.

### **Fiduciary Duties of Office Holders:**

The Israeli Companies Law codifies the fiduciary duties that “office holders,” including directors and executive officers, owe to a company. An office holder’s fiduciary duties consist of a duty of care and a duty of loyalty. The duty of care requires an office holder to act at a level of care that a reasonable office holder in the same position would employ under the same circumstances. This includes the duty to utilize reasonable means to obtain (i) information regarding the business feasibility of a given action brought for his or her approval or performed by him or her by virtue of his or her position; and (ii) all other information of importance pertaining to the foregoing actions. The duty of loyalty requires that an office holder act in good faith and for the benefit of the company, including (i) avoiding any conflict of interest between the office holder’s position in the company and any other position he or she holds or his or her personal affairs; (ii) avoiding any competition with the company’s business, (iii) refraining from exploiting any business opportunity of the company in order to receive personal gain for the office holder or others, and (iv) disclosing to the company any information or documents relating to the company’s affairs that the office holder has received by virtue of his or her position as an office holder.



Table of Contents

**Disclosure of Personal Interests of an Office Holder; Approval of Transactions with Office Holders:**

The Israeli Companies Law requires that an office holder promptly, and no later than at the first board meeting at which such transaction is considered, disclose any personal interest that he or she may have and all related material information known to him or her and any documents in his or her possession, in connection with any existing or proposed transaction relating to the company. In addition, if the transaction is an extraordinary transaction, namely, (i) a transaction other than in the ordinary course of business; (ii) a transaction that is not on market terms; or (iii) a transaction likely to have a material impact on the company's profitability, assets or liabilities, the office holder must also disclose any personal interest held by the office holder's spouse, siblings, parents, grandparents, descendants, spouse's descendants and the spouses of any of the foregoing ("relatives"), or by any corporation in which the office holder or a relative is a 5% or greater shareholder, director or general manager or in which he or she has the right to appoint at least one director or the general manager.

Under the Israeli Companies Law, all arrangements as to compensation of office holders who are not directors require approval by the board of directors, and exculpation, insurance and indemnification of, or an undertaking to, indemnify an office holder who is not a director requires both board of directors and compensation committee approval. The compensation of office holders who are directors must be approved by our Compensation Committee, Board of Directors and shareholders, in that order.

Some other transactions, actions and arrangements involving an office holder (or a third party in which an office holder has an interest) must be approved by the board of directors or as otherwise provided for in a company's articles of association, however, a transaction that is beneficial for the company's may not be approved. In some cases, such a transaction must be approved by the audit committee and by the board of directors itself, and under certain circumstances shareholder approval may be required. Generally, in all matters in which a director has a personal interest he or she shall not be permitted to vote on the matter or be present in the meeting in which the matter is considered, except in case of a transaction that is not extraordinary or for the purpose of presenting the proposed transaction, if the chairman of the audit committee or board of directors (as applicable) determines it necessary. Should a majority of the audit committee or of the board of directors have a personal interest in the matter, then: (a) all of the directors are permitted to vote on the matter and attend the meeting at which the matter is considered; and (b) the matter requires approval of the shareholders at a general meeting.

**Audit Committee:**

Under the Israeli Companies Law, the board of directors of any public company must appoint an audit committee. Our audit committee currently consists of Ralph Sassun, Odelia Levanon and Yosi Lahad. The chairperson of the audit committee is Ralph Sassun.

Under the Nasdaq Rules we are required to maintain an audit committee consisting of at least three independent directors, all of whom are financially literate and one of whom has accounting or related financial management expertise.

The Company has determined that all the members of its audit committee meet the applicable Nasdaq Capital Market and SEC independence standards.

Mr. Ralph Sassun is an audit committee financial expert as defined by the SEC rules and has the requisite financial sophistication as defined by the Nasdaq Rules.

Table of Contents

Our audit committee oversees (in addition to the Board of Directors) the accounting and financial reporting processes of the Company and audits of our financial statements, including the integrity of our financial statements, compliance with legal and regulatory requirements, our independent auditors' qualifications, independence, compensation and performance, and the performance of our internal audit function. Our audit committee is also required to (i) find deficiencies in the business management of the Company and propose to our Board of Directors ways to correct such deficiencies; (ii) determine whether certain related party actions and transactions are "material" or "extraordinary" in connection with their approval procedures; (iii) approve related-party transactions as required by Israeli law; and (iv) establish whistle blower procedures (including in respect of the protections afforded to whistle blowers). Additional duties of our audit committee are (i) to establish procedures to be followed in respect of non-extraordinary related party transactions with a controlling shareholder which may include, where applicable, the establishment of a competitive process for such transaction, under the supervision of the audit committee, or whomever it designates for this purpose, in accordance with criteria determined by the audit committee, (ii) to establish procedures for approving certain related party transactions with a controlling shareholder, which having been determined by the audit committee not to be extraordinary transactions, were also determined by the audit committee not to be negligible transactions; and (iii) such other duties as may be directed by our Board of Directors. The audit committee may consult from time to time with our independent auditors and internal auditor with respect to matters involving financial reporting and internal accounting controls.

The Company has adopted an audit committee charter which sets forth the responsibilities of the committee. A copy of this charter is available upon written request to the Company at its address in Israel.

Under the Sarbanes-Oxley Act of 2002, the audit committee is responsible for the appointment, compensation, retention and oversight of the work of the Company's external auditors. However, under Israeli law, the appointment of external auditors requires the approval of the shareholders of the Company. Accordingly, the appointment of the external auditors is approved and recommended to the shareholders by the audit committee and ratified by the shareholders. Furthermore, pursuant to the Company's Articles of Association, the Board of Directors is the organ that has the authority to determine the compensation of the external auditors; however, the Board of Directors delegated its authority to the audit committee, so that a second discussion by the Board of Directors shall not be necessary.

**Compensation Committee:**

Our Board of Directors has established a compensation committee, which offers recommendations to the Board of Directors regarding equity compensations issues (with the Board of Directors also approving compensation of our executive officers). The compensation committee also makes recommendations to our Board of Directors in connection with the terms of employment of our chief executive officer and all other executive officers.

Under the Israeli Companies Law, a company's compensation committee is responsible for: (i) making recommendations to the board of directors with respect to the approval of the compensation policy applicable to the company's office holders and any extensions thereto; (ii) providing the board of directors with recommendations with respect to any amendments or updates to the Compensation Policy and periodically reviewing the implementation thereof; (iii) reviewing and approving arrangements with respect to the terms of office and employment of office holders; and (iv) determining whether or not to exempt a transaction with a candidate for chief executive officer from shareholder approval.

Under the Nasdaq Rules, we are required to maintain a compensation committee consisting of at least two independent directors. Our compensation committee currently consists of Ralph Sassun, Yosi Lahad and Odelia Levanon. The chairperson of the compensation committee is Ralph Sassun.



Table of Contents

**Internal Auditor**

Under the Israeli Companies Law, the board of directors of a public company must appoint an internal auditor based on the recommendation of the audit committee. The role of the internal auditor is, among other things, to examine whether a company's actions comply with applicable law and orderly business procedure. Under the Israeli Companies Law, the internal auditor may not be an interested party or an office holder or a relative of an interested party or of an office holder, nor may the internal auditor be the company's independent auditor or its representative. An "interested party" is defined in the Israeli Companies Law as: (i) a holder of 5% or more of the issued share capital or voting power in a company, (ii) any person or entity who has the right to designate one or more directors or to designate the chief executive officer of the company, or (iii) any person who serves as a director or as a chief executive officer of the company.

BDO Consulting Group, BDO Ziv Haft's consulting arm, serves as our internal auditor.

**Duties of Shareholders**

Under the Israeli 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 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, have a duty to act with fairness towards the company. The Israeli 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.

#### **Israeli Securities Authority Administrative Enforcement:**

Under the Israeli Securities Law, the Israeli Securities Authority, or the ISA, may take certain administrative enforcement actions against a company or a person, including a director, officer or shareholder of a company, if performing certain transgressions designated in the Securities Law.

The ISA is also authorized to impose fines on any person or company breaching certain provisions designated under the Israeli Companies Law.

#### **6D. Employees**

As of March 15, 2019, we had 77 employees, all of whom are located in Israel. Of these 77 employees: 10 employees are in general and administrative positions, 14 employees are in marketing and sales, 16 employees are employed as technicians and 37 employees are in operating activities. In addition, the Company employs temporary employees who provide inventory counting services, in a number which fluctuates according to the particular projects, and customarily increases towards year end. We believe that our relations with our employees are satisfactory. We have not experienced a collective labor dispute or a strike.

Table of Contents

Israeli labor laws are applicable to all of our employees in Israel.

We and our employees are not parties to any collective bargaining agreements and our employees are not represented by any labor union. However, 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 Manufacturers' Association of Israel) are applicable to all Israeli employees by order of the Israeli Ministry of Labor and Welfare. These provisions principally concern the length of the work day and the work week, minimum wages for workers, contributions to pension funds, insurance for work-related accidents, procedures for dismissing employees, determination of severance pay and other conditions of employment. These provisions are modified from time to time.

Israeli labor laws subject employers to increased liability, including monetary sanctions and criminal liability, in cases of violations of certain labor laws and certain violations by contractors providing maintenance, security and cleaning services.

Our Israeli employees are covered by pension insurance policies according to law requirements. Israeli employees and employers are required to pay predetermined sums to the Israeli National Insurance Institute which amounts also include, since January 1, 1995, payments for national health insurance.

**6E. Share Ownership**

The beneficial ownership of our ordinary shares is determined in accordance with the rules of the SEC. Under these rules, a person is deemed to be a beneficial owner of a security if that person has or shares voting power, which includes the power to vote or to direct the voting of the security, or investment power, which includes the power to dispose of or to direct the disposition of the security. For purposes of the table below, we deem ordinary shares issuable pursuant to options that are currently exercisable or exercisable within 60 days as of March 15, 2019 to be outstanding and to be beneficially owned by the person holding the options or warrants for the purposes of computing the percentage ownership of that person, but we do not treat them as outstanding for the purpose of computing the percentage ownership of any other person. The percentage of ordinary shares beneficially owned is based on 3,857,790 ordinary shares outstanding as of March 15, 2019.

As of March 15, 2019, shares and options held by our officers and directors, then consisting of 8 persons, are as follows:

Name	Position
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		Number of shares and options Beneficially Owned	Percentage of Shares and options Beneficially Owned	
Mr. Yosi Lahad	Chairman of the Board of Directors	144,575	3.7	%*
Ms. Revital Cohen	Director	47,600	1.2	%
Mr. Yuval Viner	Co-Chief Executive Officer and Director	53,889	1.4	%
Mr. Eyal Cohen	Co-Chief Executive Officer and Chief Financial Officer	69,978	1.8	%
All other directors and officers (4 persons)		42,470	1.1	%

\*Includes 127,200 Ordinary Shares in respect of which Mr. Lahad, by virtue of his position as Chairman of the Board, received a proxy from D.D. Goldstein Ltd.

Table of Contents

**Share Option Plans**

The purpose of Share Option Plans is to enable us to attract and retain qualified persons as employees, officers, directors, consultants and advisors and to motivate such persons by providing them with an equity participation in the Company.

The Share Option Plans are administered by the Board of Directors, which has broad discretion, subject to certain limitations, to determine the persons entitled to receive options.

Ordinary Shares

*2003 Plan*

In May 2003 the Company's shareholders approved the adoption of the 2003 Israeli Stock Option Plan or the Plan. In December 2017, the shareholders approved an increase of the pool of shares reserved for issuances under the Plan, to 500,000 Ordinary Shares. In December 2012, the Company's shareholders approved a 10 year extension to the Plan, according to which the Board of Directors may grant options under the Plan through May 31, 2023. In July 18, 2018, the Company's shareholders approved (i) an increase of the number of Ordinary Shares available for issuance under the Plan, by 200,000 to a total of 700,000 Ordinary Shares, and the corresponding amendment of Section 7.1 of the Plan, and (ii) an amendment of the Plan allowing for the grant of Ordinary Shares in addition to options.

Under the Plan, the terms and conditions under which options are granted and the number of shares subject thereto shall be determined by the Board of Directors. The Board of Directors also has discretion to determine the nature of the consideration to be paid upon the exercise of an option under the Plan. Such consideration generally may consist of cash, or, at the discretion of the Board of Directors, cash and a recourse promissory note.

The Ordinary Shares acquired upon exercise of an option are subject to certain restrictions on transfer, sale or hypothecation. Options are exercisable and restrictions on disposition of shares lapse pursuant to the terms of the individual agreements under which such options were granted or shares issued.

The Company has elected to designate the Plan under the “capital gains” track of Section 102 of Israeli Income Tax Ordinance 5721-1961 (the “Tax Ordinance”), designed to afford qualified optionees certain tax benefits under the Tax Ordinance (a “Section 102 Plan”). Pursuant to the election made by the Company, capital gains derived by optionees arising from the sale of shares pursuant to the exercise of options granted to them under the Plan, will be subject to a flat capital gains tax rate of 25% (instead of the gains being taxed as salary income at the employee’s marginal tax rate). However, as a result of this election, the Company is not allowed to claim the amounts credited to such employees as a benefit when the related capital gains tax is payable by them, as an expense for tax purposes. The Company may change its election from time to time, as permitted by the Tax Ordinance. There are various conditions that must be met in order to qualify for these benefits, including the registration of the options in the name of a trustee (the “Trustee”) for each of the employees who is granted options. Each option, and any Ordinary Shares acquired upon the exercise of the option, must be held by the Trustee for a period commencing on the date of grant and ending no earlier than 24 months from the date of grant.

As of March 15, 2019, we had 195,680 options outstanding under the Plan (of which 32,679 are exercisable) with the following exercise prices as set forth below:

Exercise Price Per Share \$	Number of Options Outstanding
\$ 2.126	9,999
\$ 2.131	45,002
\$ 2.287	7,500
\$ 2.388	100,500
\$ 2.96	16,929
\$ 3.875	375
\$ 4.02	5,000
\$ 6.67	10,375
Total	195,680

Table of Contents

**Item 7: Major Shareholders and Related Party Transactions**

**7A. Major Shareholders**

We are not directly or indirectly owned or controlled by another corporation or by any foreign government.

The beneficial owners of more than five percent (5%) of the Company's outstanding Ordinary Shares are specified below.

The changes in holdings (excluding warrants) of the major shareholders over the last three years are detailed, to the best of our knowledge or based on the respective shareholder's public filings, in the table below:

Holdings as of:	December 31, 2016	December 31, 2017	December 31, 2018	March 15, 2019
L.I.A. Pure Capital Ltd. <sup>(1)</sup>				221,941 (5.75%)

According to a 13D/A report from March 18, 2019. Includes 50,072 Ordinary Shares owned by Next-Line and <sup>(1)</sup>112,662 Ordinary Shares owned by iDnext for which Pure Capital has been provided with an irrevocable proxy to vote. Kfir Silberman is the control shareholder of Pure Capital.

As of March 15, 2019, there were 49 record holders of Ordinary Shares, of which 5 were registered with addresses in the United States, representing approximately 89.5% of the outstanding Ordinary Shares. However, the number of record holders in the United States is not representative of the number of beneficial holders, nor is it representative of where such beneficial holders are resident since many of the Ordinary Shares are held of record by brokers and other nominees.

Table of Contents

**7B. Related Party Transactions**

**Management Services Agreement with iDnext Ltd.**

On January 1, 2016 the Company, through its wholly owned subsidiary Dimex, consummated the acquisition of the business operations of iDnext Ltd. and its subsidiary Next-Line. iDnext is controlled by Mr. Moti Harel, who was a member of the Company's Board of Directors until December 12, 2017.

Pursuant to a Management Services Agreement entered into as part of the acquisition agreement, iDnext was paid a monthly fee of NIS 33,000 (approximately \$8,500) through December 31, 2017. The Management Services Agreement expired on December 31, 2017, and a new agreement was signed on June 2018, effective as of January 1, 2018. According to the new agreement:

- a. iDnext's monthly fee increased from NIS 33,000 to NIS 53,000 and it was also entitled to a bonus of 15% from the net profits of a certain product line.
- b. Three employees of BOS Dimex became employees of iDnext, which provided their services to Dimex for a monthly fee of NIS 35,000.
- c. Mr. Harel was appointed to Dimex's Board of Directors in June 2018.

On February 10, 2019 the Company terminated the agreement with iDnext.

For further payments which the Company paid and accrued pursuant to the Management Services Agreement in 2018, see Note 18a to the Consolidated Financial Statements for the year ended December 31, 2018.

**Intercompany Payments**

During the years 2017 and 2018 the Company charged each of its subsidiaries, Odem and Dimex \$350,000 and \$350,000 respectively for their share of corporate overhead.

Since January 2016 until March 15, 2019, the Company has raised \$3.22 million, all of which were contributed to its subsidiaries and used for working capital, bank loans repayments and for acquisitions. In certain cases, the Company



pays by shares for acquisitions made by a subsidiary (for example, the iDnext acquisition).

### **Indemnity Undertakings by the Company to its Directors and Officers**

On February 18, 2003, the Company's shareholders approved indemnity undertakings to its directors and officers (including future directors and officers as may be appointed from time to time), in excess of any insurance proceeds, not to exceed, in the aggregate over the years, a total amount of \$2,500,000. On May 18, 2006, at the recommendation of the audit committee and the Board of Directors, the shareholders approved amendments to the indemnity undertakings, in light of changes to the Israeli Companies Law. On December 20, 2011, following an amendment to the Israeli Securities Law and a corresponding amendment to the Israeli Companies Law, which had authorized the Israeli Securities Authority to impose administrative sanctions against companies and their office holders for certain violations of the Israeli Securities Law or the Israeli Companies Law, the Company's shareholders approved a modified form of such indemnification agreement to ensure that the Company's directors were afforded protection to the fullest extent permitted by law, which form was approved and ratified by the Company's shareholders on October 22, 2015 and on July 18, 2018. In addition, under the new indemnification agreements, the Company exempts and releases each director from any and all liability to the Company related to any breach by each director of his duty of care to the Company, to the maximum extent permitted by law.

Table of Contents

**7C. Interests of Experts and Counsel**

Not applicable.

**Item 8: Financial Information**

**8A. Consolidated Statements and Other Financial Information**

**Consolidated Financial Statements**

See “Item 18. Financial Statements.”

**Sales Outside of Israel**

The total amount of revenues of the Company and its subsidiaries from sales out of Israel has been as follows:

Year	Export revenues	% of all revenues	
2018	\$9,660,000	30	%
2017	\$7,062,000	25	%
2016	\$6,808,000	25	%

**Legal Proceedings**

As of the date of this report the Company is involved in the following legal actions:

On December 4, 2018 the lessors of the Company’s facilities in Rishon Lezion filed a claim against the Company in the amount of NIS 1,800,000 (approximately \$500,000). The Company was the previous owner of these facilities and

had sold them to the Lessor in May 2013. The plaintiffs claim the Company misrepresented the physical status of the sold premises. The Company rejects the claim and has filed a counterclaim of NIS 850,000 (approximately \$222,000) alleging breaches by the lessors of the lease agreement.

### **Dividend Policy**

The Company does not currently have a dividend policy. The declaration and payment of any cash dividends in the future will be determined by the Board of Directors in light of the conditions existing at that time. This will include our earnings and financial condition. We may only pay cash dividends in any fiscal year, out of “profits”, as defined under Israeli law. Any cash dividend in the future out of an approved enterprise will be subject to an additional tax. Currently we have no profits from an approved enterprise; hence no provision has been made for tax on future dividends.

### **8B. Significant Changes**

Not applicable.

Table of Contents

**Item 9: The Offer and Listing**

**9A. Offer and Listing Details**

Commencing April 1996, our Ordinary Shares were traded, and our warrants, until they expired on April 2, 2000, were traded in the over-the-counter market in the United States, and quoted on what is now called the NASDAQ Capital Market under the symbol “BOSC” and “BOSCW,” respectively. In September 2000, our Ordinary Shares started to be traded on what is now called the NASDAQ Global Market. In January 2002, our shares also began trading on the TASE, under the symbol “BOSC”, pursuant to the dual-listing regulations of the Israeli Securities Authority. On May 12, 2009, we delisted our Ordinary Shares from trade on the TASE. The delisting of the Ordinary Shares from the TASE did not affect the continued listing of the Ordinary Shares on the NASDAQ Global Market under the symbol BOSC. After the delisting of the Company’s Ordinary Shares from the TASE, we are no longer subject to reporting requirements in Israel. On October 16, 2009, the Company’s Ordinary Shares were transferred to the NASDAQ Capital Market and are traded on such market under the symbol “BOSC”.

**9B. Plan of Distribution**

Not applicable.

**9C. Markets**

Our securities are traded on the NASDAQ Capital Market under the symbol “BOSC”.

**9D. Selling Shareholders**

Not applicable.

**9E. Dilution**

Not applicable.

**9F. Expenses of Issue**

Not applicable.

48

Table of Contents

**Item 10: Additional Information**

**10A. Share Capital**

Not applicable.

**10B. Memorandum and Articles of Association**

The Company's registration number at the Israeli Registrar of Companies is 52-0042565.

In March 2002 the Company adopted new articles of association ("Articles of Association"), in view of the Israeli Companies Law. Since then, certain articles of the Articles of Association have been amended.

Set forth below is a summary of certain provisions of our Memorandum of Association ("Memorandum") and Articles of Association. This summary is not complete and should be read together with our Memorandum and Articles of Association, incorporated by reference hereto.

***1. Objects of the Company:***

The Company's Memorandum (Article 2(p)) and Articles of Association (Article 2) provide that the Company may engage in any legal business.

***2. Provisions related to the directors of the Company:***

The Board of Directors may issue shares and other securities, which are convertible or exercisable into shares, up to the limit of the Company's authorized share capital.

(a) Approval of Certain Transactions under the Israeli Companies Law:

We are subject to the provisions of the Israeli Companies Law, which became effective on February 1, 2000, as amended. See Item 6C “Board Practices” above.

Borrowing powers exercisable by the Board of Directors are not specifically outlined in the Company’s Articles of Association, however, according to Article 15: “Any power of the Company which has not been vested in another organ pursuant to the Israeli Companies Law or the articles may be exercised by the Board of Directors”.

The Company’s Articles of Association do not contain provisions regarding the retirement of directors under an age limit requirement, nor do they contain a provision requiring a director to hold any Company shares in order to qualify as a Director.

Table of Contents

**3. *With regard to the rights, preferences and restrictions attaching to the Ordinary Shares, the Company's Articles of Association provide the following:***

(a) Dividends, Rights to Share in the Company's Profits and Rights to Share in any Surplus upon Liquidation

All holders of paid-up Ordinary Shares of the Company have an equal right to participate in the distribution of (i) dividends, whether by cash or by bonus shares; (ii) Company assets; and (iii) the Company's surplus assets upon winding up, all pro rata to the nominal value of the shares held by them (Articles 4.2.2, 4.2.3 and 7.3).

The Board of Directors is the organ authorized to decide upon the distribution of dividends and bonus shares (Article 26.1). The shareholders who are entitled to a dividend are the current shareholders as of the date of the resolution for the dividend or on a later date if another date is specified in the resolution on the dividend's distribution. If the Board of Directors does not otherwise determine, any dividend may be paid by way of a cheque or payment order that shall be sent by mail to the registered address of the shareholder or person entitled thereto, or in the case of registered joint shareholders to the shareholder whose name appears first in the shareholders' register in relation to the joint shareholding. Every such cheque shall be drawn up to the order of the person to whom it is being sent. The receipt of a person who on the date of the dividend's declaration is listed in the shareholders' register as the holder of any share or, in the case of joint shareholders, of one of the joint shareholders shall serve as confirmation of all the payments made in connection with such share. For the purpose of implementing any resolution pursuant to the provisions of this paragraph, the Board of Directors may settle, as it deems fit, any difficulty arising in relation to the distribution of the dividend and/or bonus shares, including determine the value for the purpose of the said distribution of certain assets and resolve that payments in cash shall be made to members in reliance upon the value thus determined, determine regulations in relation to fractions of shares or in relation to non-payment of amounts less than NIS 200.

(b) Voting Rights

All holders of paid-up Ordinary Shares of the Company have an equal right to participate in and vote at the Company's general meetings, whether ordinary or special, and each of the shares in the Company shall entitle its holder, present at the meeting and participating in the vote, himself, by proxy or through a voting instrument, to one vote (Article 4.2.1). Such voting rights may be affected in the future by the grant of any special voting rights to the holders of a class of shares with preferential rights. Shareholders may vote either in person or through a proxy or voting instrument, unless the Board of Directors prohibits voting through a voting instrument on a certain matter and stated so in the notice of the meeting (Articles 14.1 and 14.6). A resolution at the general meeting shall be passed by an ordinary majority unless another majority is specified in the Israeli Companies Law or the Company's Articles of Association (Article 14.3). For applicable provisions of the Israel Companies Law, see Item 6C "Board Practices".

(c) Election of Directors



The Company's directors are elected by the shareholders at a shareholders' meeting. The Ordinary Shares do not have cumulative voting rights with respect to the election of directors. The holders of Ordinary Shares, conferring more than 50% of the voting power present by person or by proxy at the shareholders' meeting, have the power to elect the directors. The directors elected shall hold office until the next annual meeting, or sooner if they cease to hold office pursuant to the provisions of the Company's Articles of Association. In addition, the Board of Directors may appoint a director (to fill a vacancy or otherwise) between shareholder meetings, and such appointment shall be valid until the next annual meeting or until such appointee ceases to hold office pursuant to the provisions of the Company's Articles of Association. Directors of the Company stand for reelection at every annual meeting (Article 16.2) and not at staggered intervals.

(d) Redemption

The Company may, subject to any applicable law, issue redeemable securities on such terms as determined by the Board of Directors, provided that the general meeting of shareholders approves the Board of Director's recommendation and the terms determined (Article 27).

(e) Capital Calls by the Company

The Board of Directors may only make calls for payment upon shareholders in respect of monies not yet paid for shares held by them (Article 7.2).

Table of Contents

(f) Discrimination

No provision in the Company's Articles of Association discriminates against an existing or prospective holder of securities, as a result of such shareholder owning a substantial amount of shares.

***4. Modification of Rights of Holders of Stock:***

The general meeting of shareholders may resolve to create new shares of an existing class or of a new class with special rights and/or restrictions (Article 9.1).

So long as not otherwise provided in the shares' issue terms and subject to the provisions of any law, the rights attached to a particular class of shares may be altered, after a resolution is passed by the Company and with the approval of a resolution passed at a general meeting of the holders of the shares of such class or the written agreement of all the class holders. The provisions of the Company's Articles of Association regarding general meetings shall apply, mutatis mutandis, to a general meeting of the holders of a particular class of shares (Article 10.1). The rights vested in the holders of shares of a particular class that were issued with special rights shall not be deemed to have been altered by the creation or issue of further shares ranking equally with them, unless otherwise provided in such shares' issue terms (Article 10.2).

The above mentioned conditions are not more onerous than is required by law.

***5. Annual General Meetings and Extraordinary General Meetings:***

General meetings shall be convened at least once a year at such place and time as determined by the Board of Directors but no later than 15 months from the last annual general meeting. Such general meetings shall be called "annual meetings". The Company's other meetings shall be called "special meetings" (Article 12.1). The annual meeting's agenda shall include a discussion of the Board of Directors' reports and the financial statements as required by law. The annual meeting shall appoint an auditor, appoint the directors and discuss all the other matters which must be discussed at the Company's annual general meeting, pursuant to Company's Articles or the Companies Law, as well as any other matter determined by the Board of Directors (Article 12.2).

The Board of Directors may convene a special meeting pursuant to its resolution and it must convene a general meeting if it receives a written requisition from any one of the following (hereinafter referred to as "requisition") (i) two directors or one quarter of the directors holding office; and/or (ii) one or more shareholders holding at least 5% of the

issued capital and at least 1% of the voting rights in the Company; and/or (iii) one or more shareholders holding at least 5% of the voting rights in the Company (Article 12.3). A requisition must detail the objects for which the meeting must be convened and shall be signed by the persons requisitioning it and sent to the Company's registered office. The requisition may be made up of a number of documents in an identical form of wording, each of which shall be signed by one or more of the persons requisitioning the meeting (Article 12.4). When the Board of Directors is required to convene a special meeting, it shall do so within 21 days of the requisition being submitted to it, for a date that shall be specified in the invitation and subject to the law (Article 12.5).

One or more shareholders, holding at least 1% of the voting rights in the Company are entitled to request the Board of Directors to include a certain matter in the agenda of an upcoming general meeting, provided that such matter is appropriate for discussion at general meetings.

Notice to the Company's shareholders regarding the convening of a general meeting shall be sent to all the shareholders listed in the Company's shareholders' register at least 21 days prior to the meeting and shall be published in other ways insofar as required by the law. The notice shall include the agenda, proposed resolutions and arrangements with regard to a written vote. The accidental omission to give notice of a meeting to any member, or the non-receipt of notice sent to such member, shall not invalidate the proceedings at such meeting (Article 12.6).

The shareholders entitled to participate in and vote at the general meeting are the shareholders on the date specified by the Board of Directors in the resolution to convene the meeting, and subject to the law (Article 14.1).

No discussions may be commenced at the general meeting unless a quorum is present at the time of the discussion's commencement. A quorum is the presence of at least two shareholders holding at least 33 % of the voting rights (including presence through a proxy or a voting instrument), within half an hour of the time fixed for the meeting's commencement (Article 13.1). If no quorum is present at a general meeting within half an hour of the time fixed for the commencement thereof, the meeting shall be adjourned for one week, to the same day, time and place, or to a later time if stated in the invitation to the meeting or in the notice of the meeting (Article 13.2). The quorum for the commencement of the adjourned meeting shall be any number of participants.

Table of Contents

***6. Limitations on the rights to own securities:***

There are no limitations on the rights to own the Company's securities, including the rights of non-residents or foreign shareholders to do so.

***7. Change of Control:***

Under the Israeli Companies Law, a merger is generally required to be approved by the shareholders and Board of Directors of each of the merging companies. Shareholder approval is not required if the company that will not survive is controlled by the surviving company. Additionally, the law provides some exceptions to the shareholder approval requirement in the surviving company. If the share capital of the company that will not be the surviving company is divided into different classes of shares, the separate approval of each class is also required, unless determined otherwise by the court. A majority of votes approving the merger shall suffice, unless the company (like ours) was incorporated in Israel prior to the enactment of Israeli Companies Law, in which case a majority of 75% of the voting power is needed in order to approve the merger. Additionally, unless the court determines otherwise, a merger will not be approved if it is objected to by a majority of the shareholders present at the meeting, after excluding the shares held by the other party to the merger, by any person who holds 25% or more of the other party to the merger and by the relatives of and corporations controlled by these persons. Upon the request of a creditor of either party to the proposed merger, the court may delay or prevent the merger if it concludes that there exists a reasonable concern that, as a result of the merger, the surviving company will be unable to satisfy the obligations of any of the parties of the merger. Also, a merger can be completed only after all approvals have been submitted to the Israeli Registrar of Companies and provided that 30 days have elapsed since shareholder approval was received and 50 days have elapsed from the time that a proposal for approval of the merger was filed with the Registrar by each merging company.

The Israeli Companies Law also provides that an acquisition of shares in a public company must be made by means of a tender offer if, as a result of the acquisition, the purchaser would become a holder of 25% or more of the voting power at general meetings. This rule does not apply if there is already another holder of 25% or more of the voting power at general meetings. Similarly, the Israeli Companies Law provides that an acquisition of shares in a public company must be made by means of a tender offer if, as a result of the acquisition, the purchaser would become a holder of more than 45% of the voting power of the company. This rule does not apply if someone else already holds 45% of the voting power of the company. An acquisition from a 25% or 45% holder, which turns the purchaser into a 25% or 45% holder respectively, does not require a tender offer. An exception to the tender offer requirement may also apply when the additional voting power is obtained by means of a private placement approved by the general meeting of shareholders.

Under the Israeli Companies Law, a person may not acquire shares in a public company if, after the acquisition, he will hold more than 90% of the shares or more than 90% of any class of shares of that company, unless a tender offer is made to purchase all of the shares or all of the shares of the particular class. The Israeli Companies Law also provides that as long as a shareholder in a public company holds more than 90% of the company's shares or of a class

of shares, that shareholder shall be precluded from purchasing any additional shares. If such tender offer is accepted and less than 5% of the shares of the company are not tendered, and a majority of the offeree shareholders not having a personal interest accepted the offer, all of the shares will transfer to the ownership of the acquirer. Similarly, all of the shares will transfer to the ownership of the acquirer in the event that less than 2% of the shares of the company are not tendered. The Companies Law provides for appraisal rights if any shareholder files a request in court within six months following the consummation of a full tender offer. However, the acquirer may stipulate in the tender offer that any shareholder tendering his shares will not be entitled to appraisal rights. If ownership in all of the shares is not transferred to the acquirer as described above, then the acquirer may not acquire shares in the tender offer that will cause his shareholding to exceed 90% of the outstanding shares.

Table of Contents

**8. Disclosing Share Ownership:**

The Company has no bylaw provisions governing the ownership threshold, above which shareholder ownership must be disclosed.

**10C. Material Contracts**

All material contracts have been described in detail throughout this form, wherever applicable.

**10D. Exchange Controls**

There are currently no Israeli currency control restrictions on payments of dividends or other distributions with respect to our Ordinary Shares or the proceeds from the sale of the shares, except for the obligation of Israeli residents to file reports with the Bank of Israel regarding certain transactions. However, legislation remains in effect pursuant to which currency controls can be imposed by administrative action at any time.

**10E. Taxation**

The following is a summary of the material Israeli tax consequences, Israeli foreign exchange regulations and certain Israeli government programs affecting the Company.

To the extent that the discussion is based on new tax or other legislation that has not been subject to judicial or administrative interpretation, there can be no assurance that the views expressed in the discussion will be accepted by the tax or other authorities in question. The discussion is not intended, and should not be construed, as legal or professional tax advice and is not exhaustive of all possible tax considerations.

**Israeli Tax Considerations**

The following is a general discussion only and is not exhaustive of all possible tax considerations. It is not intended, and should not be construed, as legal or professional tax advice and should not be relied upon for tax planning purposes. In addition, this discussion does not address all of the tax consequences that may be relevant to purchasers

of our ordinary shares in light of their particular circumstances, or certain types of purchasers of our ordinary shares subject to special tax treatment. Examples of this kind of investor include residents of Israel and traders in securities who are subject to special tax regimes not covered in this discussion. Each individual/entity should consult its own tax or legal advisor as to the Israeli tax consequences of the purchase, ownership and disposition of our ordinary shares.

To the extent that part of the discussion is based on new tax legislation, which has not been subject to judicial or administrative interpretation, we cannot assure that the tax authorities or the courts will accept the views expressed in this section.

The following summary describes the current tax structure applicable to companies in Israel, with special reference to its effect on us. The following also contains a discussion of the material Israeli tax consequences to holders of our ordinary shares.

#### **Special Provisions Relating to Tax Reporting in United States Dollars**

The Company and its subsidiaries, respectively, have elected to measure their taxable income and file their tax return in United States Dollars, under the Israeli Income Tax Regulations (Principles Regarding the Management of Books of Account of Foreign Invested Companies and Certain Partnerships and the Determination of Their Taxable Income), 1986.

Table of Contents

**Capital Gains Tax on Sales of Our Ordinary Shares**

Israeli law generally imposes a capital gains tax on the sale of any capital assets by residents of Israel, as defined for Israeli tax purposes, and on the sale of assets located in Israel, including shares in Israeli companies, by both residents and non-residents of Israel, unless a specific exemption is available or a tax treaty between Israel and the shareholder's country of residence provides otherwise. The law distinguishes between real gain and inflationary surplus. The inflationary surplus is a portion of the total capital gain which is equivalent to the increase of the relevant asset's purchase price which is attributable to the increase in the Israeli consumer price index or, in certain circumstances, a foreign currency exchange rate, between the date of purchase and the date of sale. The real gain is the excess of the total capital gain over the inflationary surplus.

As of January 1, 2012, the tax rate applicable to capital gains derived from the sale of shares, whether listed on a stock market or not, is 25% for Israeli individuals, unless such shareholder claims a deduction for financing expenses in connection with such shares, in which case the gain is generally taxed at a rate of 30%. Additionally, if such shareholder is considered a "substantial shareholder" at any time during the 12-month period preceding such sale, i.e., such shareholder holds directly or indirectly, including with others, at least 10% of any means of control in a company, the tax rate is 30%. However, the foregoing tax rates do not apply to: (i) dealers in securities; and (ii) shareholders who acquired their shares prior to an initial public offering (that may be subject to a different tax arrangement).

Israeli companies are subject to the corporate tax rate on capital gains derived from the sale of shares (24% in 2017 and 23% in 2018 and 2019).

In addition, shareholders that are individuals who have taxable income that exceeds threshold of NIS 640,000 in a tax year (linked to the Israeli consumer price index (or CPI)) each year, will be subject to an additional tax, referred to as High Income Tax, at the rate of 3% on their taxable income for such tax year which is in excess of such amount (NIS 641,880 for 2018 and NIS 649,560 for 2019). For this purpose taxable income will include, *inter alia*, taxable capital gains from the sale of our shares and taxable income from dividend distributions.

Non-Israeli residents are exempt from Israeli capital gains tax on any gains derived from the sale of shares of Israeli companies publicly traded on a recognized stock exchange or regulated market outside of Israel, provided that such capital gains are not derived from a permanent establishment in Israel, the shareholders are not subject to the Israeli Income Tax Law – Inflationary Adjustments, 1985, and the shareholders did not acquire their shares prior to an initial public offering. However, non-Israeli corporations will not be entitled to such exemption if Israeli residents (i) have a controlling interest of more than 25% in such non-Israeli corporation, or (ii) are the beneficiaries or are entitled to 25% or more of the revenues or profits of such non-Israeli corporation, whether directly or indirectly.



Pursuant to the treaty between the government of the United States and the government of Israel with respect to taxes on income, as amended (the “U.S.-Israel Tax Treaty”), the sale, exchange or disposition of ordinary shares by a person who (i) holds the ordinary shares as a capital asset, (ii) qualifies as a resident of the United States within the meaning of the U.S.-Israel Tax Treaty, and (iii) is entitled to claim the benefits afforded to such person by the U.S.-Israel Tax Treaty, generally, will not be subject to the Israeli capital gains tax. Such exemption will not apply if (i) such U.S. resident holds, directly or indirectly, shares representing 10% or more of our voting power during any part of the 12-month period preceding such sale, exchange or disposition, subject to certain conditions, or (ii) the capital gains from such sale, exchange or disposition can be allocated to a permanent establishment in Israel. In such case, the sale, exchange or disposition of ordinary shares would be subject to Israeli tax, to the extent applicable; however, under the U.S.-Israel Tax Treaty, such U.S. resident would be permitted to claim a credit for such taxes against the U.S. federal income tax imposed with respect to such sale, exchange or disposition, subject to the limitations in U.S. laws applicable to foreign tax credits. The U.S.-Israel Tax Treaty does not relate to U.S. state or local taxes.

In some instances where our shareholders may be liable to Israeli tax on the sale of their ordinary shares, the payment of the consideration may be subject to the withholding of Israeli tax at the source.

Table of Contents

**General Corporate Tax Structure in Israel**

The Israeli corporate tax rate was 25% and 24% in 2016 and 2017, respectively. Effective January 1, 2018 and thereafter, the corporate tax rate in Israel is 23%.

**Israeli Transfer Pricing Regulations**

Section 85A of the Tax Ordinance and the transfer pricing regulations require that all cross-border transactions carried out between related parties be conducted on an arm's length basis and be taxed accordingly.

**UNITED STATES FEDERAL INCOME TAX CONSIDERATIONS**

Subject to the limitations described herein, this discussion summarizes certain material U.S. federal income tax consequences of the purchase, ownership and disposition of our Ordinary Shares to a U.S. holder. A U.S. holder is a beneficial owner of our Ordinary Shares who is:

an individual who is a citizen or resident of the United States for U.S. federal income tax purposes;

a corporation (or other entity taxable as a corporation for U.S. federal income tax purposes) created or organized under the laws of the United States or any political subdivision thereof or the District of Columbia;

an estate, the income of which is includible in gross income for U.S. federal income tax purposes regardless of its source; or

a trust: (i) if a U.S. court 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 (ii) that is in existence on August 20, 1996 and that has in effect a valid election under applicable U.S. Treasury Regulations to be treated as a U.S. person.

A non-U.S. holder is a beneficial owner of our Ordinary Shares that is not a U.S. holder. Unless otherwise specifically indicated, this discussion does not consider the U.S. federal income tax consequences to a person that is a non-U.S. holder of our Ordinary Shares and considers only U.S. holders that will own the Ordinary Shares as capital assets

(generally for investment).

If a partnership (or any other entity treated as a partnership for U.S. federal income tax purposes) holds our Ordinary Shares, the tax treatment of the partnership and a partner in such partnership will generally depend on the status of the partner and the activities of the partnership. Such a partner or partnership should consult its tax advisor as to its tax consequences.

## Table of Contents

The discussion in this summary is based on current provisions of the Internal Revenue Code of 1986, as amended (the “Code”), current and proposed Treasury Regulations promulgated under the Code and administrative and judicial interpretations of the Code, all as currently in effect and all of which are subject to differing interpretations or to change, possibly with retroactive effect. This discussion does not address all aspects of U.S. federal income taxation that may be relevant to any particular U.S. holder based on the U.S. holder’s particular circumstances (including the potential application of the alternative minimum tax). In particular, this discussion does not address the U.S. federal income tax consequences to U.S. holders who are a bank, broker-dealers or who own, directly, indirectly or constructively, 10% or more (by voting power) of our company, real estate investment trusts, regulated investment companies, grantor trusts, S corporations, U.S. holders holding the Ordinary Shares as part of a hedging, straddle or conversion transaction, U.S. holders whose functional currency is not the U.S. dollar, U.S. holders who have elected to-market accounting, insurance companies, tax-exempt organizations, financial institutions, persons that receive Ordinary Shares as compensation for the performance of services, certain former citizens or former long-term residents of the United States and persons subject to the alternative minimum tax, who may be subject to special rules not discussed below. Additionally, this discussion does not address the possible application of U.S. federal estate or gift taxes or any aspect of state, local or non-U.S. tax laws.

**This summary of certain material U.S. federal income tax considerations is for general information only and should not be considered tax advice or relied upon for tax planning purposes. Accordingly, each U.S. holder of our Ordinary Shares is advised to consult with its tax advisor with respect to the specific U.S. federal, state, local and foreign income tax consequences to which it is subject with respect to purchasing, holding or disposing of our Ordinary Shares.**

## **U.S. Holders of Ordinary Shares**

### **Taxation of distributions on Ordinary Shares**

Subject the discussion below under “Tax consequences if we are a passive foreign investment company,” a distribution paid by us with respect to our Ordinary Shares, including the amount of any non-U.S. taxes withheld, to a U.S. holder will be treated as dividend income to the extent that the distribution does not exceed our current and accumulated earnings and profits, as determined for U.S. federal income tax purposes. Dividends that are received with respect to Ordinary Shares by U.S. holders that are individuals, estates or trusts generally will be taxed at preferential tax rates, provided that such dividends meet the requirements of “qualified dividend income.” For this purpose, qualified dividend income generally includes dividends paid by a non-U.S. corporation if certain holding period and other requirements are met and either (i) the stock of the non-U.S. corporation with respect to which the dividends are paid is “readily tradable” on an established securities market in the U.S. (e.g., the NASDAQ Global Market); or (ii) the non-U.S. corporation is eligible for benefits of a comprehensive income tax treaty with the U.S. which includes an information exchange program and is determined to be satisfactory by the U.S. Secretary of the Treasury. The United States Internal Revenue Service (“IRS”) has determined that the U.S.-Israel income tax treaty is satisfactory for this purpose. Dividends that fail to meet such requirements, and dividends received by corporate U.S. holders, are taxed at ordinary

income rates. No dividend received by a U.S. holder will be a qualified dividend (i) if the U.S. holder held the ordinary share with respect to which the dividend was paid for less than 61 days during the 121-day period beginning on the date that is 60 days before the ex-dividend date with respect to such dividend, excluding for this purpose, under the rules of Section 246(c) of the Code, any period during which the U.S. holder has an option to sell, is under a contractual obligation to sell, has made and not closed a short sale of, is the grantor of a deep-in-the-money or otherwise nonqualified option to buy, or has otherwise diminished its risk of loss by holding other positions with respect to, such ordinary share (or substantially identical securities); or (ii) to the extent that the U.S. holder is under an obligation (pursuant to a short sale or otherwise) to make related payments with respect to positions in property substantially similar or related to the ordinary share with respect to which the dividend is paid. If we were to be considered a “passive foreign investment company” or PFIC (as such term is defined in the Code) for any taxable year, dividends paid on our Ordinary Shares in such year or in the following taxable year would not be qualified dividends. See discussion below regarding our PFIC status at “Tax Consequences If We Are A Passive Foreign Investment Company.” In addition, a non-corporate U.S. holder will be able to take a qualified dividend into account in determining its deductible investment interest (which is generally limited to its net investment income) only if it elects to do so. In such case the dividend will be taxed at ordinary income rates.

Table of Contents

The amount of any distribution which exceeds the amount treated as a dividend will be treated first as a non-taxable return of capital, reducing the U.S. holder's tax basis in its Ordinary Shares to the extent thereof, and then as capital gain from the deemed disposition of the Ordinary Shares (subject to the PFIC rules discussed below). Such distributions (treated as capital gain) would not give rise to income from sources outside the United States. Corporate holders will not be allowed a deduction for dividends received in respect of the Ordinary Shares.

There is no assurance that dividends received by a U.S. holder from the Company will be eligible for the preferential tax rates mentioned above. Dividends that are not eligible for the preferential tax rates will be taxed at ordinary income rates.

Dividends paid by us in NIS will be included in the gross income of U.S. holders at the U.S. dollar amount of the dividend (including any non-U.S. taxes withheld therefrom), based upon the exchange rate in effect on the date the distribution is included in income, regardless of whether the NIS is converted into U.S. dollars. If the NIS is not converted into U.S. dollars on the date of receipt, U.S. holders will have a tax basis in the NIS for U.S. federal income tax purposes equal to that dollar value. Any subsequent gain or loss in respect of the NIS arising from exchange rate fluctuations on a subsequent conversion or any other disposition of the NIS will be treated as ordinary income or loss, and generally will be income or loss from sources within the United States for U.S. foreign tax credit purposes.

Dividends received with respect to our Ordinary Shares will constitute "portfolio income" for purposes of the limitation on the deductibility of passive activity losses and, therefore, generally may not be offset by passive activity losses. Dividends received with respect to our Ordinary Shares also generally will be treated as "investment income" for purposes of the investment interest deduction limitation contained in Section 163(d) of the Code, and generally as foreign-source passive income for U.S. foreign tax credit purposes. Subject to certain limitations, U.S. holders may elect to claim as a foreign tax credit against their U.S. federal income tax liability for any Israeli income tax withheld from distributions with respect to our Ordinary Shares which constitute dividends under U.S. income tax law. A U.S. holder that does not elect to claim a foreign tax credit may instead claim a deduction for Israeli income tax withheld, but only if the U.S. holder elects to do so with respect to all foreign income taxes in such year. If a refund of the tax withheld is available under the applicable laws of Israel or under the Israel-U.S. income tax treaty, the amount of tax withheld that is refundable will not be eligible for such credit against your U.S. federal income tax liability (and will not be eligible for the deduction against your U.S. federal taxable income). In addition, special rules may apply to the computation of foreign tax credits relating to "qualified dividend income," as defined above. The calculation of foreign tax credits and, in the case of a U.S. holder that elects to deduct foreign income taxes, the availability of deductions involve the application of complex rules that depend on a U.S. holder's particular circumstances. U.S. holders are urged to consult their own tax advisors regarding the availability to them of foreign tax credits or deductions in respect of any Israeli tax withheld or paid with respect to any dividends which may be paid with respect to our Ordinary Shares, including limitations pursuant to the U.S.-Israel income tax treaty.

**Taxation of the disposition of Ordinary Shares**

Subject to the discussion below under “Tax consequences if we are a passive foreign investment company,” upon the sale, exchange or other disposition of our Ordinary Shares (other than in certain non-recognition transactions), a U.S. holder will recognize capital gain or loss in an amount equal to the difference between the amount realized on the disposition and the U.S. holder’s tax basis in the Ordinary Shares. The gain or loss recognized on the disposition of the Ordinary Shares will be considered a long-term capital gain or loss if the U.S. holder had held the Ordinary Shares for more than one year at the time of the disposition and otherwise will generally be short-term capital gain or loss. The deductibility of capital losses is subject to limitations. Long-term capital gains of certain non-corporate shareholders are generally taxed at preferential rates. Gain or loss recognized by a U.S. holder on a sale, exchange or other disposition of Ordinary Shares generally will be treated as U.S. source income or loss for U.S. foreign tax credit purposes.

A U.S. holder that uses the cash method of accounting calculates the U.S. dollar value of the proceeds received on the sale as of the date that the sale settles. However, a U.S. holder that uses the accrual method of accounting is required to calculate the value of the proceeds of the sale as of the trade date and may therefore realize foreign currency gain or loss. A U.S. holder may avoid realizing a foreign currency gain or loss by electing to use the settlement date to determine the proceeds of sale for purposes of calculating the foreign currency gain or loss. In addition, a U.S. holder that receives foreign currency upon disposition of Ordinary Shares and converts the foreign currency into U.S. dollars after the settlement date or trade date (whichever date the U.S. holder is required to use to calculate the value of the proceeds of sale) will have foreign exchange gain or loss based on any appreciation or depreciation in the value of the foreign currency against the U.S. dollar, which will generally be U.S. source ordinary income or loss.

Table of Contents

**Net Investment Income Tax**

Non-corporate U.S. holders may be subject to an additional 3.8% surtax on all or a portion of their “net investment income”, which may include dividends on, or capital gains recognized from, the disposition of, our Ordinary Shares. In each case, the 3.8% surtax applies only to the extent the U.S. holder’s total adjusted income exceeds certain thresholds. U.S. holders are urged to consult their own tax advisors regarding the implications of the additional Net Investment Income tax on their investment in our Ordinary Shares.

**Tax consequences if we are a passive foreign investment company**

For U.S. federal income tax purposes, we will be considered a passive foreign investment company, or PFIC, if either (i) 75% or more of our gross income in a taxable year is passive income; or (ii) 50% or more of the value (determined on the basis of a quarterly average) of our assets in a taxable year produce or are held for the production of passive income. If we own (directly or indirectly) at least 25% by value of the stock of another corporation, we will be treated for purposes of the foregoing tests as owning our proportionate share of that other corporation’s assets and as directly earning our proportionate share of that other corporation’s income. If we are a PFIC, a U.S. holder must determine under which of three alternative taxing regimes it wishes to be taxed:

The “QEF” regime applies if the U.S. holder elects to treat us as a “qualified electing fund” (“QEF”) for the first taxable year in which the U.S. holder owns our Ordinary Shares or in which we are a PFIC, whichever is later, and if we comply with certain reporting requirements. A U.S. holder may not make a QEF election with respect to warrants. If the QEF regime applies, then, for each taxable year that we are a PFIC, such U.S. holder will include in its gross income a proportionate share of our ordinary earnings (which is taxed as ordinary income) and net capital gain (which is taxed as long-term capital gain), subject to a separate election to defer payment of taxes, which deferral is subject to an interest charge. These amounts would be included in income by an electing U.S. holder, whether or not such amounts are actually distributed to the U.S. holder. A U.S. holder’s basis in our Ordinary Shares for which a QEF election has been made would be increased to reflect the amount of any taxed but undistributed income. Generally, a QEF election allows an electing U.S. holder to treat any gain realized on the disposition of his Ordinary Shares as capital gain.

If a QEF election is made after the first taxable year in which a U.S. holder holds our Ordinary Shares and we are a PFIC, then special rules would apply.

Once made, the QEF election applies to all subsequent taxable years of the U.S. holder in which it holds our Ordinary Shares and for which we are a PFIC and can be revoked only with the consent of the IRS.



The “mark-to-market” regime, may be elected so long as our Ordinary Shares are “marketable stock” (e.g., “regulatory traded” on the NASDAQ Global Market). Under current law, a mark-to-market election cannot be made with respect to warrants. Pursuant to this regime, in any taxable year that we are a PFIC, an electing U.S. holder’s Ordinary Shares are marked-to-market each taxable year and the U.S. holder recognizes as ordinary income or loss an amount equal to the difference as of the close of the taxable year between the fair market value of our Ordinary Shares and the U.S. holder’s adjusted tax basis in our Ordinary Shares. Losses are allowed only to the extent of net mark-to-market gain previously included by the U.S. holder under the election for prior taxable years. An electing U.S. holder’s adjusted basis in our Ordinary Shares is increased by income recognized under the mark-to-market election and decreased by the deductions allowed under the election.

Under the mark-to-market election, in a taxable year in which we are a PFIC, any gain on the sale of our Ordinary Shares is treated as ordinary income, and any loss on the sale of our Ordinary Shares, to the extent the amount of loss does not exceed the net mark-to-market gain previously included, is treated as ordinary loss. The mark-to-market election applies to the taxable year for which the election is made and all later taxable years, unless the Ordinary Shares cease to be marketable stock or the IRS consents to the revocation of the election.

Table of Contents

If the mark-to-market election is made after the first taxable year in which a U.S. holder holds our Ordinary Shares and we are a PFIC, then special rules would apply.

A U.S. holder making neither the QEF election nor the mark-to-market election is subject to the “excess distribution” regime. Under this regime, “excess distributions” are subject to special tax rules. An excess distribution includes (i) a distribution with respect to our Ordinary Shares that is greater than 125% of the average distributions received by the U.S. holder from us over the shorter of either the preceding three taxable years or such U.S. holder’s holding period for our Ordinary Shares prior to the distribution year; and (ii) gain from the disposition of our Ordinary Shares.

Excess distributions must be allocated ratably to each day that a U.S. holder has held our Ordinary Shares. A U.S. holder must include amounts allocated to the current taxable year and any taxable year prior to the first taxable year in which we were a PFIC, in its gross income as ordinary income for that year. All amounts allocated to other taxable years of the U.S. holder would be taxed at the highest tax rate for each such year applicable to ordinary income and the U.S. holder also would be liable for interest on the deferred tax liability for each such year calculated as if such liability had been due with respect to each such year. The portions of gains and distributions that are not characterized as “excess distributions” are subject to tax in the current taxable year as ordinary income under the normal tax rules of the Code.

A U.S. person who inherits shares in a foreign corporation that was a PFIC in the hands of the decedent, is generally denied the otherwise available step-up in the tax basis of such shares to fair market value at the date of death. Instead, such U.S. holder’s basis would generally be equal to the lesser of the decedent’s basis or the fair market value of the Ordinary Shares on the date of death. Furthermore, if we are a PFIC, each U.S. holder will generally be required to file an annual report with the IRS.

Based on an analysis of our assets and income, we believe that we were not a PFIC for our taxable year ended December 31, 2018. We currently expect that we will not be a PFIC in 2019. However, PFIC status is determined as of the end of the taxable year and is dependent on a number of factors, including the relative value of our passive assets and our non-passive assets, our market capitalization and the amount and type of our gross income. There can be no assurance that we will not become a PFIC for the current taxable year ending December 31, 2019 or in a future taxable year.

If we were a PFIC, a U.S. holder could make certain elections that may alleviate certain tax consequences referred to above, and one of these elections may be made retroactively if certain conditions are satisfied. It is expected that the conditions necessary for making certain of such elections will apply in the case of our Ordinary Shares. Neither the Company nor its advisors have the duty to or will undertake to inform U.S. holders of changes in circumstances that would cause the Company to become a PFIC. The Company does not currently intend to take the action necessary for a U.S. holder to make a “qualified electing fund” election in the event the Company is determined to be a PFIC.

If we are determined to be a PFIC, the general tax treatment for U.S. holders described in this section would apply to indirect distributions and gains deemed to be realized by U.S. holders in respect of any of our subsidiaries that also may be determined to be PFICs.

If a U.S. holder owns ordinary shares during any year in which we are a PFIC and the U.S. holder recognized gain on a disposition of our ordinary shares or receives distributions with respect to our ordinary shares, the U.S. holder generally will be required to file an IRS Form 8621 (Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund) with respect to the Company, generally with the U.S. holder's federal income tax return for that year. If our Company were a PFIC for a given taxable year, then you should consult your tax advisor concerning your annual filing requirements.

**The U.S. federal income tax rules relating to PFICs are complex. U.S. holders are urged to consult their own tax advisors with respect to the acquisition, ownership and disposition of our Ordinary Shares, the consequences to them of an investment in a PFIC, any elections available with respect to our Ordinary Shares and the IRS information reporting obligations with respect to the acquisition, ownership and disposition of our Ordinary Shares.**

Table of Contents

**Tax return disclosure and backup withholding**

A U.S. holder generally is subject to information reporting and may be subject to backup withholding at a rate of 24% with respect to dividend payments made with respect to, and proceeds from the disposition of, the Ordinary Shares. Backup withholding will not apply with respect to payments made to exempt recipients, including corporations, or if a U.S. holder provides a correct taxpayer identification number, certifies that such holder is not subject to backup withholding or otherwise establishes an exemption. Backup withholding is not an additional tax. It may be claimed as a credit against the U.S. federal income tax liability of a U.S. holder or the U.S. holder may be eligible for a refund of any excess amounts withheld under the backup withholding rules, provided, in either case, that the required information is furnished to the Internal Revenue Service.

The Foreign Account Tax Compliance Act (“FATCA”) generally subjects U.S. individuals that hold certain specified foreign financial assets (which include stock of a non-U.S. corporation) to U.S. return disclosure obligations (and related penalties for failure to disclose). The definition of specified foreign financial assets includes not only financial accounts maintained in foreign financial institutions, but also, unless held in accounts maintained by a financial institution, any stock or security issued by a non-U.S. person, any financial instrument or contract held for investment that has an issuer or counterparty other than a U.S. person and any interest in a foreign entity. Such U.S. individuals are required to file IRS Form 8938 with their U.S. Federal income tax returns, unless an exception applies. Generally, U.S. holders may be subject to these reporting requirements unless their Ordinary Shares are held in an account at a domestic financial institution or certain other exceptions apply. Penalties for failure to file certain of these information returns may be substantial. In addition, in the event a holder that is required to file IRS Form 8938 does not file such form, the statute of limitations on the assessment and collection of U.S. federal income taxes of such holder for the related tax year may not close until three years after the date that the required return information is filed. Each U.S. holders should consult with its own tax advisors regarding its obligation to file an IRS Form 8938 in light of its own particular circumstances.

**Non-U.S. Holders of Ordinary Shares**

Except as provided below, a non-U.S. holder of Ordinary Shares will not be subject to U.S. federal income or withholding tax on the receipt of dividends on, and the proceeds from the disposition of, an Ordinary Share, unless that item is effectively connected with the conduct by the non-U.S. holder of a trade or business in the United States and, in the case of a resident of a country which has an income tax treaty with the United States, that item is attributable to a permanent establishment in the United States or, in the case of an individual, a fixed place of business in the United States. In addition, gain recognized by an individual non-U.S. holder on the disposition of the Ordinary Shares will be subject to tax in the United States, if such non-U.S. holder is present in the United States for 183 days or more during the taxable year of the sale and other conditions are met.

Non-U.S. holders are generally not subject to information reporting or backup withholding with respect to the payment of dividends on, or proceeds from the disposition of, Ordinary Shares, provided that the non-U.S. holder provides its taxpayer identification number, certifies to its foreign status or otherwise establishes an exemption.

A non-U.S. holder will be required to provide a certificate of non-U.S. status on an appropriate IRS Form W-8.

**10F.Dividends and Paying Agents**

Not applicable.

**10G.Statement by Experts**

Not applicable.

Table of Contents

**10H. 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 through the SEC's website at <http://www.sec.gov>.

We maintain a corporate website at [www.boscorporate.com](http://www.boscorporate.com). Information contained on, or that can be accessed through, our website does not constitute a part of this annual report on Form 20-F. We have included our website address in this annual report on Form 20-F solely as an inactive textual reference.

The documents concerning the Company that are referred to in the form may be inspected at the Company's office in Israel.

**10I. Subsidiary Information**

For information relating to the Company's subsidiaries, see "Item 4C. Organizational Structure" as well as the Company's Consolidated Financial Statements (Items 8 and 18 of this form).

**Item 11: Quantitative and Qualitative Disclosure about Market Risk**

Market risk represents the risk of changes in the value of our financial instruments caused by fluctuations in interest rates, foreign exchange rates and equity prices. We do not engage in trading market-risk instruments or purchase hedging or "other than trading" instruments that are likely to expose us to market risk, whether interest rate, commodity price or equity price risk. We have purchased forward contracts but do not use derivative financial instruments for speculative trading purposes.

**Foreign Currency Exchange Rate Risk**

We are exposed to currency transaction risks because some of our expenses are incurred in a different currency from the currency in which our revenues are received. Our most significant currency exposures are to the NIS. In periods when the U.S. dollar is significantly devaluated against the NIS, our reported results of operations may be adversely affected. The Company enters into foreign currency contracts, with financial institutions to reduce the risk of

exchange rate fluctuations. Such contracts are not designated as hedging instruments. From time to time, the Company recognizes derivative instruments as either assets or liabilities on the balance sheet at fair value.

“Derivatives and Hedging” (“ASC 815”), as amended, requires the Company to recognize all derivatives on the balance sheet at fair value. Derivatives that are not hedges must be adjusted to fair value through income (loss). If the derivative is a hedge, depending on the nature of the hedge, changes in the fair value of derivatives are either offset against the change in fair value of the hedged assets, liabilities, or firm commitments through earnings or recognized in other comprehensive income until the hedged item is recognized in earnings. The ineffective portion of a derivative’s change in fair value is immediately recognized in earnings.

The Company entered into forward contracts to hedge against the risk of changes in future cash flow from payments of payroll and related expenses denominated in Israeli Shekels. These contracts are designated as cash flows hedges, as defined by ASC 815, and are considered highly effective as hedges of these expenses. As of December 31, 2018 and 2017, and during the periods then ended, the impact on the Company’s financial statements of these forward contracts amounted to a loss of \$37,000 and income of \$148,000, respectively.

In addition, the Company has entered into forward contracts in order to hedge the exposure to variability in expected future cash flows resulting from changes in related foreign currency exchange rates. These contracts did not meet the requirement for hedge accounting. The amount recorded as financial loss related to these contracts in 2018, 2017 and 2016 was \$(13,000), \$(160,000) and \$(6,000), respectively.

Although from time to time we enter into foreign currency contracts to reduce currency transaction risk, these transactions will not eliminate translation risk or all currency risk. For information concerning risk factors related to Foreign Currency Exchange see “Item 3D - Risk Factors.”

### **Credit Risk Management**

The Company sells its products and purchases products from vendors on credit terms.

The trade receivables of the Company are derived from sales to customers located primarily in Israel, India and the Far East. The Company generally does not require collateral; however certain of the Company’s customers outside of Israel are insured against customer nonpayment through the Israeli Credit Insurance Company Ltd. and, in certain circumstances, the Company may require letters of credit, advanced payments, or other collateral.

Table of Contents

Provisions are made for doubtful debts on a specific basis and, in management's opinion, appropriately reflect the loss inherent in collection of the debts. Management bases this provision on its assessment of the risk of the debt.

The table below presents the account receivables balance by geographical market as of December 31, 2018 and December 31, 2017:

	2018	2017
Israel and others	\$6,792,000	\$7,333,000
India	\$1,060,000	\$2,190,000
Americas	\$732,000	\$104,000
Far East	\$38,000	\$138,000
Europe	\$2,000	\$39,000
	\$8,624,000	\$9,804,000

**Interest Rate Risk**

The Company's exposure to market risk for changes in interest rates is due to loans that carry variable interest.

A material change in the interest rate payable on our loans may have a material adverse effect on the Company's financial results and cash flow. In the event that interest rates associated with the Company's variable rate borrowings were to increase 100 basis points, the after tax impact on future cash flows would be a decrease of \$30,000.

**Bank Risk**

The Company manages its loans in Bank Beinleumi, which provides credit to the Company's Israeli subsidiaries. In case of the termination or expiration of our credit lines, deterioration in our relations with our bank or adverse changes in the financial position of the bank, our liquidity could be materially adversely affected.

**Item 12: Description of Securities Other than Equity Securities**



Not applicable.

62

Table of Contents

**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**

Not applicable.

**Item 15: Controls and Procedures**

(a) Disclosure controls and procedures.

The Company's Co-Chief Executive Officers and its Chief Financial Officer evaluated the effectiveness of the Company's disclosure controls and procedures (as defined in Rule 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934, as amended) as of the end of the period covered by this report. Based on that evaluation, such Co-Chief Executive Officers and Chief Financial Officer concluded that the Company's disclosure controls and procedures were effective at the reasonable level of assurance (see paragraph (e) below) as of the end of the period covered by this report.

(b) 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 Rules 13a-15(f) and 15d-15(f) of the Exchange Act. Our management, including our Chief Executive Officer and our Chief Financial Officer, conducted an evaluation of the effectiveness of our internal control over financial reporting based on the framework and criteria established in Internal Control—Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) as of the end of the period covered by this report.

Based on that evaluation, our management has concluded that our internal control over financial reporting was effective as of December 31, 2018. Notwithstanding the foregoing, there can be no assurance that our internal control over financial reporting will detect or uncover all failures of persons within the Company to comply with our internal procedures, as all internal control systems, no matter how well designed, have inherent limitations. Therefore, even those systems determined to be effective may not prevent or detect misstatements.

(c) Attestation Report of the Registered Public Accounting Firm.

This Annual Report does not include an attestation report of the Company's registered public accounting firm regarding internal control over financial reporting. Management's report was not subject to attestation by the Company's registered public accounting firm pursuant to rules of the SEC that permit the Company to provide only management's report in this Annual Report.

(d) Change in Internal Control over Financial Reporting.

There were no changes in the Company's internal controls over financial reporting that occurred during the fiscal year ended December 31, 2018, that have materially affected or are reasonably likely to materially affect these controls.

(e) Other.

The Company believes that a control system, no matter how well designed and operated, cannot provide absolute assurance that the objectives of the control system are met, and no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, with the Company have been determined. Therefore, a control system, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met. Our disclosure controls and procedures are designed to provide such reasonable assurances of achieving our desired control objectives, and our Co-Chief Executive Officers and Chief Financial Officer have concluded, as of December 31, 2018, that our disclosure controls and procedures were effective in achieving that level of reasonable assurance.

**Item 16: [Reserved]**

**Item 16A: Audit Committee Financial Expert**

The Company's Board of Directors has determined that Mr. Ralph Sassun, the chairman of the audit committee, is an "audit committee financial expert", as defined by the applicable SEC regulations.

All the members of the audit committee are “independent” under the applicable SEC and Nasdaq regulations. The experience of each member is listed under “Item 6A: Directors and Senior Management.”

Table of Contents**Item 16B: Code of Ethics**

The Company has adopted a Code of Ethics applicable to its executive officers, directors and all other employees. A copy of the code is posted on our website (<http://www.boscom.com>) and may also be obtained, without charge, upon a written request addressed to the Company's investor relations department.

**Item 16C: Principal Accountant Fees and Services**

Fahn Kanne & Co. Grant Thornton Israel ("Grant Thornton"), serves as our principal independent registered public accounting firm for the years 2017-2018. Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global ("E&Y"), has served as our independent registered public accounting firm for the years 2015-2016.

The table below summarizes the audit and other fees paid and accrued by the Company and its consolidated subsidiaries to E&Y during 2017 and to Grant Thornton during 2017 and 2018. All of such fees were pre-approved by our audit committee.

	Year Ended		Year Ended			
	December 31, 2018		December 31, 2017			
	Amount	Percentage	Amount	Percentage		
Audit Fees – Grant Thornton <sup>(1)</sup>	\$64,000	91	% \$52,000	63	%	
Audit Fees – E&Y <sup>(1)</sup>	\$-	-	% \$8,000	10	%	
Tax Fees – Grant Thornton <sup>(2)</sup>	\$3,500	5	% \$10,000	12	%	
Tax Fees – E&Y <sup>(2)</sup>	\$-	-	% \$5,000	6	%	
All Other Fees – Grant Thornton <sup>(3)</sup>	\$-	-	% \$2,000	3	%	
All Other Fees – E&Y <sup>(3)</sup>	\$3,000	4	% \$5,000	6	%	
Total	\$70,500	100	% \$82,000	100	%	

<sup>(1)</sup> Audit fees are fees for audit services for each of the years shown in this table, including fees associated with the annual audit and audit services provided in connection with other statutory or regulatory filings.

<sup>(2)</sup> Tax fees are fees for professional services rendered by our auditors for tax compliance, tax planning and tax advice on actual or contemplated transactions

<sup>(3)</sup> Other fees are fees for professional services other than audit or tax related fees.

**Audit Committee's pre-approval policies and procedures:**

The audit committee is responsible for the oversight of the independent auditors' work, including the approval of services provided by the independent auditors. These services may include audit, audit-related, tax or other services, as described above. On an annual basis the audit committee pre-approves audit and non-audit services to be provided to the Company by its auditors, listing the particular services or categories of services, and sets forth a specific budget for such services. Additional services not covered by the annual pre-approval may be approved by the audit committee on a case-by-case basis as the need for such services arises. Any services pre-approved by the audit committee must be permitted by applicable law. Once services have been pre-approved, the audit committee receives a report on a periodic basis regarding the extent of the services actually provided and the fees paid.

**Item 16D: Exemptions from the Listing Standards for Audit Committees**

Not applicable.

Table of Contents

**Item 16E: Purchases of Equity Securities by the Issuer and Affiliated Purchasers**

The Company (or anyone acting on its behalf) did not purchase any of the Company's securities in 2018.

**Item 16F: Change in Registrant's Certifying Accountant**

(a) Previous independent registered public accounting firm.

On December 12, 2017, our shareholders elected Grant Thornton as our independent registered public accounting firm, replacing E&Y. The Company's decision to terminate the engagement of E&Y as the Company's auditing accountants was approved by our shareholders following the recommendation of our Board of Directors and audit committee.

The reports of E&Y on the Company's consolidated financial statements for the fiscal year ended December 31, 2016 contained no adverse opinion or a disclaimer of opinion, nor were the reports qualified or modified as to uncertainty, audit scope or accounting principles.

During the Company's fiscal year ended December 31, 2016 and through December 12, 2017, there were no disagreements with E&Y on any matter of accounting principles or practices, financial statement disclosure, or auditing scope or procedure, which disagreements, if not resolved to the satisfaction of E&Y, would have caused it to make reference thereto in its reports on the Company's financial statements for such fiscal years.

During the Company's fiscal year ended December 31, 2016 and through December 12, 2017, there were no "reportable events", as described in Item 16F(a)(1)(V) of Form 20-F.

During the Company's two most recent fiscal years and prior to the date of their engagement, the Company did not consult with Grant Thornton regarding: (i) the application of accounting principles to a specified transaction, either completed or proposed, (ii) the type of audit opinion that might be rendered on the Company's financial statements, or (iii) any other matter that was either the subject of a disagreement or a reportable event as set forth in as described in Item 16F(a)(1)(V) of Form 20-F.

(b) New independent registered public accounting firm.

On December 12, 2017, Grant Thornton was engaged as the independent registered public accounting firm for the Company. The engagement of Grant Thornton was approved by our shareholders following the recommendation by the Board of Directors and the audit committee. During the Company's fiscal year ended December 31, 2016 and through December 12, 2017, the Company did not consult with Grant Thornton regarding any of the matters or events set forth in Item 16F(a)(1)(V) of Form 20-F.

**Item 16G: Corporate Governance**

The Company's shares are listed on the NASDAQ Capital Market. Under NASDAQ Marketplace Rule 5615(a)(3) or Rule 5615(a)(3), foreign private issuers, such as the Company, are permitted to follow certain home country corporate governance practices in lieu of the requirements of Listing Rule 5600 Series with the exception of those rules which are required to be followed pursuant to the provisions of Listing Rule 5615(a)(3).

In particular, we have elected to follow Israeli law and practice instead of the NASDAQ rules with respect to the requirement to obtain shareholder approval for the approval of certain private placements. Under Israeli law and practice, shareholder approval is not required for a private placement in a public company, whose shares are traded only outside of Israel.

**Item 16H: Mine Safety Disclosures**

Not applicable.



Table of Contents

**PART III**

**Item 17: Financial Statements**

Not applicable.

**Item 18: Financial Statements**

The following financial statements are filed as part of this Annual Report:

	<b>Page</b>
<b><u>Report of Independent Registered Public Accounting Firm</u></b>	F-2 - F-3
<b><u>Consolidated Balance Sheets</u></b>	F-4 - F-5
<b><u>Consolidated Statements of Operations</u></b>	F-6
<b><u>Consolidated Statements of Comprehensive Income</u></b>	F-7
<b><u>Statements of Changes in Shareholders' Equity</u></b>	F-8
<b><u>Consolidated Statements of Cash Flows</u></b>	F-9 - F-10
<b><u>Notes to Consolidated Financial Statements</u></b>	F-11 - F-37

**Item 19: Exhibits**

The following exhibits are filed as part of this Annual Report:

- 1.1 Memorandum of Association, as amended (incorporated by reference to the Company's Registration Statement on Form S-8 filed on November 13, 2018).
- 1.2 Articles of Association, as amended. (incorporated by reference to the Company's Registration Statement on Form S-8 filed on November 13, 2018).
- 4.1 Form of Indemnification Agreement between the Company and its officers and directors, as amended (incorporated by reference to Exhibit B of the Company's Proxy Statement on Form 6-K, filed on June 4, 2018).

- 4.2\* The Company's Israeli 2003 Share Option Plan
- 4.3 Summary of Economic Terms: Request by BOS-Odem Ltd. for NIS Loan from the First International Bank of Israel, Overdraft Terms on the Current Account at the First International Bank of Israel, Request by BOS-Dimex Ltd. for NIS Loan from the First International Bank of Israel; Letter of Undertaking to First International Bank of Israel (translated from Hebrew) (incorporated by reference to the Company Annual Report on Form 20-F filed on March 29, 2018).
- 4.4 Standby Equity Distribution Agreement with YA II PN Ltd. dated May 8, 2017 (incorporated by reference to the Company's report on Form 6-K, filed on May 9, 2017).
- 4.5 Agreement for the Sale of Business Operations by and among B.O.S. Better Online Solutions Ltd., iDnext Ltd. and Next-Line Ltd., dated as of November 24, 2015 (incorporated by reference to the Company's report on Form 6-K filed on November 30, 2015).
- 4.6 Form of Subordination Letters of the Company of BOS-Dimex Ltd. and of BOS-Odem Ltd. dated January 14, 2016 (translated from Hebrew) (incorporated by reference to the Company's Annual Report on Form 20-F filed on April 21, 2016).
- 4.7 Compensation Policy for Directors and Officers (incorporated by reference to Exhibit A of the Company's Proxy Statement on Form 6-K, filed on June 4, 2018).
- 4.8\* Asset Purchase Agreement by and between B.O.S Better Online Solutions Ltd. and Imdecol Ltd. dated March 19, 2019.
- 4.9\* Bridge Loan Agreement by between B.O.S Better Online Solutions Ltd and Imdecol Ltd. dated March 19, 2019.
- 4.10\* Pledge Agreement by and among Ben Zion Katz, Tirza Sima Katz and Ayelet Aya Hayak and B.O.S Better Online Solutions Ltd dated March 19, 2019.
- 8.1 List of subsidiaries. (incorporated by reference to the Company Annual Report on Form 20-F filed on March 29, 2018).
- 11 Code of Ethics (incorporated by reference to the Company's Annual Report on Form 20-F filed on April 14, 2014).
- 12.1\* Certification by Co-Chief Executive Officer pursuant to Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of 1934.
- 12.2\* Certification by Chief Financial Officer pursuant to Rule 13a-14(a) or Rule 15d-14(a) of the Securities Exchange Act of 1934.
- 13.1\* Certification by Co-Chief Executive Officer and Chief Financial Officer pursuant to Rule 13a-14(b) or Rule 15d-14(b) of the Securities Exchange Act of 1934.
- 15.1 Letter of Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global, former independent registered public accounting firm (incorporated by reference to the Company Annual Report on Form 20-F filed on March 29, 2018).
- 23.1\* Consent of Kost Forer Gabbay & Kasierer, a member of Ernst & Young Global.
- 23.2\* Consent of Fahn Kanne & Co. Grant Thornton Israel.
- 101\* The following financial information from the Company's Annual Report on Form 20-F for the year ended December 31, 2018, formatted in XBRL (eXtensible Business Reporting Language): (i) Consolidated Statements of Operations for the years ended December 31, 2018, 2017 and 2016; (ii) Consolidated Balance Sheets at December 31, 2018 and 2017; (iii) Consolidated Statements of Changes in Shareholders' Equity for the years ended December 31, 2018, 2017 and 2016; (iv) Consolidated Statements of Cash Flows for the years ended December 31, 2018, 2017 and 2016; and (v) Notes to Consolidated Financial Statements, tagged as blocks of text.

\*Filed herewith.

Table of Contents

**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.

B.O.S. Better Online Solutions Ltd.

/s/ Yuval Viner

Yuval Viner

Co-Chief Executive Officer

/s/ Eyal Cohen

Eyal Cohen

Co-Chief Executive Officer and Chief Financial Officer

Date: April 1, 2019

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND SUBSIDIARIES**

**CONSOLIDATED FINANCIAL STATEMENTS**

**AS OF DECEMBER 31, 2018**

**IN U.S. DOLLARS**

**INDEX**

	<b>Page</b>
<b><u>Report of Independent Registered Public Accounting Firm</u></b>	<b>F-2 - F-3</b>
<b><u>Consolidated Balance Sheets</u></b>	<b>F-4 - F-5</b>
<b><u>Consolidated Statements of Operations</u></b>	<b>F-6</b>
<b><u>Consolidated Statements of Comprehensive Income</u></b>	<b>F-7</b>
<b><u>Statements of Changes in Shareholders' Equity</u></b>	<b>F-8</b>
<b><u>Consolidated Statements of Cash Flows</u></b>	<b>F-9 - F-10</b>
<b><u>Notes to Consolidated Financial Statements</u></b>	<b>F-11 - F-37</b>

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F-1

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

Board of Directors and Shareholders

B.O.S Better Online Solutions Ltd.

Opinion on the financial statements

We have audited the accompanying consolidated balance sheets of B.O.S Better Online Solutions Ltd. and subsidiaries (the “Company”) as of December 31, 2018 and 2017, the related consolidated statements of operations, comprehensive income, changes in shareholders’ equity, and cash flows for each of the years then ended, and the related notes (collectively referred to as the “financial statements”). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2018 and 2017, and the

results of its operations and its cash flows for each of the years then ended, in conformity with accounting principles generally accepted in the United States of America.

#### Basis for opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) ("PCAOB") and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits, we are required to obtain an understanding of internal control over financial reporting 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.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

**/s/ FAHN KANNE & CO. GRANT THORNTON ISRAEL**

We have served as the Company's auditor since 2017.

Tel-Aviv, Israel

April 1, 2019

Table of Contents

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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

**To the Board of Directors and Shareholders of**

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

We have audited the accompanying consolidated statements of operations, comprehensive profit, changes in shareholders' equity and cash flows of B.O.S Better Online Solutions Ltd. ("the Company") and subsidiaries for the year 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 audit 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 consolidated financial statements referred to above present fairly, in all material respects, the consolidated results of operations and cash flows of the Company and subsidiaries for year ended December 31, 2016, in conformity with U.S. generally accepted accounting principles.

Tel-Aviv, Israel KOST FORER GABBAY & KASIERER  
March 26, 2017 A Member of Ernst & Young Global

F-3



Table of Contents**B.O.S. BETTER ONLINE SOLUTIONS LTD.****AND ITS SUBSIDIARIES****CONSOLIDATED BALANCE SHEETS****U.S. dollars in thousands**

	December 31	
	2018	2017
<b>ASSETS</b>		
<b>CURRENT ASSETS:</b>		
Cash and cash equivalents	\$1,410	\$1,533
Restricted bank deposits	332	247
Trade receivables (net of allowance for doubtful accounts of \$31 and \$75 at December 31, 2018 and 2017, respectively)	8,624	9,804
Other accounts receivable and prepaid expenses	829	898
Inventories	2,874	3,240
<u>Total</u> current assets	14,069	15,722
<b>LONG-TERM ASSETS</b>	177	220
<b>PROPERTY AND EQUIPMENT, NET</b>	1,108	651
<b>OTHER INTANGIBLE ASSETS, NET</b>	81	138
<b>GOODWILL</b>	4,676	4,676
<u>Total</u> assets	\$20,111	\$21,407

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

Table of Contents**B.O.S. BETTER ONLINE SOLUTIONS LTD.****AND ITS SUBSIDIARIES****CONSOLIDATED BALANCE SHEETS****U.S. dollars in thousands, except share and per share data**

	December 31	
	2018	2017
<b>LIABILITIES AND SHAREHOLDERS' EQUITY</b>		
<b>CURRENT LIABILITIES:</b>		
Current maturities of long-term loans	\$467	\$505
Trade payables	4,106	5,951
Employees and payroll accruals	778	822
Deferred revenues	768	798
Accrued expenses and other liabilities	313	304
<b><u>Total</u> current liabilities</b>	<b>6,432</b>	<b>8,380</b>
<b>LONG-TERM LIABILITIES:</b>		
Long-term loans, net of current maturities	1,867	2,523
Accrued severance pay	301	286
<b><u>Total</u> long-term liabilities</b>	<b>2,168</b>	<b>2,809</b>
<b>COMMITMENTS AND CONTINGENT LIABILITIES</b>		
<b>SHAREHOLDERS' EQUITY:</b>		
Share capital:		
Ordinary Shares of NIS 80.00 nominal value: Authorized; 6,000,000 and 4,000,000 shares at December 31, 2018 and 2017, respectively; Issued and outstanding: 3,553,714 and 3,356,689 shares at December 31, 2018 and 2017, respectively	75,317	70,855
Additional paid-in capital	5,369	9,415
Accumulated other comprehensive loss	(333 )	(220 )
Accumulated deficit	(68,842)	(69,832)
<b><u>Total</u> shareholders' equity</b>	<b>11,511</b>	<b>10,218</b>

<u>Total</u> liabilities and shareholders' equity	\$20,111	\$21,407
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The accompanying notes are an integral part of the consolidated financial statements.

April 1, 2019  
Date of approval of the  
financial statements

F-5

Table of Contents**B.O.S. BETTER ONLINE SOLUTIONS LTD.****AND ITS SUBSIDIARIES****CONSOLIDATED STATEMENTS OF OPERATIONS****U.S. dollars in thousands**

	<b>Year ended December 31,</b>		
	2018	2017	2016
Revenues	\$32,650	\$28,932	\$27,427
Cost of revenues	25,907	22,587	22,112
Gross profit	6,743	6,345	5,315
Operating costs and expenses:			
Sales and marketing	3,705	3,389	3,111
General and administrative	1,834	1,870	1,498
<u>Total</u> operating costs and expenses	5,539	5,259	4,609
Operating income	1,204	1,086	706
Financial expenses, net	(255 )	(297 )	(339 )
Income before taxes on income	949	789	367
Taxes on income (tax benefit)	(41 )	16	7
Net income	\$990	\$773	\$360
Basic and diluted net Income per share	\$0.28	\$0.24	\$0.14
Shares (in thousands) used in calculation of earnings per share:			
Basic	3,500	3,171	2,587
Diluted	3,500	3,171	2,593

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



Table of Contents**B.O.S. BETTER ONLINE SOLUTIONS LTD.****AND ITS SUBSIDIARIES****CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)****U.S. dollars in thousands**

	<b>Year ended December 31,</b>		
	2018	2017	2016
Net income	\$990	\$773	\$360
Cash flow hedging instruments:			
Change in unrealized gains and losses	(76 )	(93 )	(15 )
Gain (loss) in respect of derivative instruments designated for cash flow hedge, net of taxes	(37 )	148	(1 )
Other comprehensive gain (loss)	(113)	55	(16)
Comprehensive income	\$877	\$828	\$344

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

Table of Contents**B.O.S. BETTER ONLINE SOLUTIONS LTD.****AND ITS SUBSIDIARIES****STATEMENTS OF CHANGES IN SHAREHOLDERS' EQUITY**

U.S. dollars in thousands, except share data

	Ordinary Shares	Share capital and additional paid-in capital	Accumulated other comprehensive income (loss)	Accumulated deficit	Total shareholders' equity
Balance at January 1, 2016	2,192,268	\$ 77,729	\$ (259 )	\$ (70,965 )	\$ 6,505
Issuance of Ordinary Shares	570,284	1,283	-	-	1,283
Exercise of options	10,000	30	-	-	30
Issuance of ordinary shares related to acquisition	162,734	298	-	-	298
Other comprehensive loss	-	-	(16 )	-	(16 )
Share-based compensation expense	-	124	-	-	124
Net income	-	-	-	360	360
Balance at December 31, 2016	2,935,286	\$ 79,464	\$ (275 )	\$ (70,605 )	\$ 8,584
Issuance of Ordinary Shares	421,403	746	-	-	746
Other comprehensive loss	-	-	55	-	55
Share-based compensation expense	-	60	-	-	60
Net income	-	-	-	773	773
Balance at December 31, 2017	3,356,689	\$ 80,270	\$ (220 )	\$ (69,832 )	\$ 10,218
Issuance of Ordinary Shares	197,025	349	-	-	349
Other comprehensive income	-	-	(113 )	-	(113 )
Share-based compensation expense	-	67	-	-	67
Net income	-	-	-	990	990
Balance at December 31, 2018	3,553,714	\$ 80,686	\$ (333 )	\$ (68,842 )	\$ 11,511

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

F-8



Table of Contents**B.O.S. BETTER ONLINE SOLUTIONS LTD.****AND ITS SUBSIDIARIES****CONSOLIDATED STATEMENTS OF CASH FLOWS****U.S. dollars in thousands**

	<b>Year ended December 31,</b>		
	2018	2017	2016
<u>Cash flows from operating activities:</u>			
Net income	\$990	\$773	\$360
Adjustments to reconcile net income to net cash provided by (used in) operating activities:			
Depreciation and amortization	289	245	248
Gain from sale and disposal of property and equipment	-	(10 )	(14 )
Currency fluctuation of deposits and loans	(225 )	264	71
Severance pay, net	15	92	39
Share-based compensation expense	67	60	124
Issuance of shares to service provider	-	-	23
Change in fair value of contingent consideration related to acquisition	-	-	(178 )
Decrease (Increase) in trade receivables, net	1,180	(1,876)	(857 )
Decrease (Increase) in other accounts receivable and other assets	84	58	(274 )
Decrease (Increase) in inventories	366	(926 )	189
Increase (decrease) in trade payables	(1,845)	1,350	(70 )
Increase (decrease) in employees and payroll accruals, deferred revenues, accrued expenses and other liabilities	(178 )	347	(21 )
Net cash provided by (used in) operating activities	743	377	(360 )
Cash flows from investing activities:			
Purchase of property and equipment	(689 )	(368 )	(139 )
Proceeds from sale of property and equipment	-	53	15
Change in long-term bank deposits	-	-	10
Acquisition of business	-	-	(154 )
Net cash used in investing activities	(689 )	(315 )	(268 )

Cash flows from financing activities:

Proceeds from issuance of shares, net	377	606	1,260
Proceeds from exercise of options	-	-	30
Proceeds from long-term loans	-	2,976	3,680
Repayment of long-term loans	(469 )	(3,346)	-
Repayment of short and long-term loans	-	-	(4,474)
Net cash provided by (used in) financing activities	(92 )	236	496
Increase (decrease) in cash, cash equivalents, and restricted cash	(38 )	298	(132 )
Cash, cash equivalents, and restricted cash at the beginning of the year	1,780	1,482	1,614
Cash, cash equivalents, and restricted cash at the end of the year	\$1,742	\$1,780	\$1,482

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

Table of Contents**B.O.S. BETTER ONLINE SOLUTIONS LTD.****AND ITS SUBSIDIARIES****CONSOLIDATED STATEMENTS OF CASH FLOWS****U.S. dollars in thousands**

	<b>Year ended December 31,</b>		
	2018	2017	2016
<u>Supplemental disclosure of cash flow activities:</u>			
(a) Net cash paid during the year for:			
Interest	\$91	\$161	\$190
Taxes	\$15	\$7	\$12
(b) Non-cash activities:			
Prepaid expenses related to 2017 SEDA (see Note 14a(2))	\$28	\$-	\$-
(a) Acquisition of iDnext Ltd. And Next-Line Ltd.:			
Fair value of net tangible assets acquired at acquisition date	\$-	\$-	\$80
Fair value of net intangible assets acquired at acquisition date	\$-	\$-	\$806
Less- amount acquired by converting loan into shares	\$-	\$-	\$(256)
Less-Contingent consideration on account of acquisition	\$-	\$-	\$(178)
Less- amount acquired by issuance of shares	\$-	\$-	\$(298)
Net cash used to pay for Acquisition of iDnext Ltd. and Next-Line Ltd.	\$-	\$-	\$154

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

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 1:- GENERAL**

a. B.O.S. Better Online Solutions Ltd. (“BOS” or the “Company”) is an Israeli corporation.

The Company’s shares are listed on NASDAQ under the ticker BOSC.

b. The Company has two operating segments: the RFID and Mobile Solutions segment, and the Supply Chain Solutions segment (see Note 17).

The Company’s wholly-owned subsidiaries include:

1. BOS-Dimex Ltd., (“BOS-Dimex”), is an Israeli company that provides comprehensive turn-key solutions for Automatic Identification and Data Collection (AIDC), combining a mobile infrastructure with software application of manufacturers that we represent. In addition, following the acquisition in January 2016 by BOS-Dimex of the business operations of iDnext Ltd. and its subsidiary Next-Line Ltd., BOS-Dimex also offers on-site inventory count services in the fields of apparel, food, convenience and pharma, asset tagging and counting services for corporate and governmental entities. BOS-Dimex comprises the RFID and Mobile Solutions segment.

2. BOS-Odem Ltd. (“BOS-Odem”), an Israeli company, is a distributor of electronic components to customers in the defense high technology industry and a supply chain service provider for aviation customers that seek a comprehensive solution to their components-supply needs. BOS-Odem is part of the Supply Chain Solutions segment; and

3. Ruby-Tech Inc., a New York corporation, a wholly-owned subsidiary of BOS-Odem and a part of the Supply Chain Solutions segment.

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES**

The consolidated financial statements are prepared in accordance with the United States generally accepted accounting principles (“U.S. GAAP”).

a. Use of estimates:

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. The most significant assumptions are used in determining values of goodwill and identifiable intangible assets, revenues and the net realizable value of inventory. Actual results could differ from those estimates.

b. Financial statements in U.S. dollars:

A substantial portion of the Company’s revenues is denominated in U.S. dollars (“dollars”). The Company’s management believes that the dollar is the primary currency of the economic environment in which the Company operates. Thus, the functional and reporting currency of the Company is the dollar. Accordingly, monetary accounts maintained in currencies other than the dollar are re-measured into dollars in accordance with Financial Accounting Standards Board (“FASB”) Accounting Standards Codification (“ASC”) 830, *Foreign Currency Matters*. All transactions gains and losses from the measurement of monetary balance sheet items are reflected in the statement of operations as financial income or expenses as appropriate.

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

c.Principles of consolidation:

The consolidated financial statements include the accounts of the Company and its subsidiaries. Intercompany transactions and balances, including profits from intercompany sales not yet realized outside the Company, have been eliminated upon consolidation.

d.Cash equivalents:

Cash equivalents are short-term highly liquid investments with original maturities of less than three months from date of purchase.

e.Restricted bank deposits:

Restricted bank deposits are deposits related to forward contracts with banks. Restricted deposits are presented at their cost. For presentation of statement of cash flows purposes, restrict cash balances are included with cash and cash equivalents, when reconciling the reported period total amounts.

	December 31	
	2018	2017
Cash and cash equivalents	\$1,410	\$1,533
Restricted bank deposits	332	247

Total cash, cash equivalents, and restricted cash shown in the statement of cash flows     \$1,742   \$1,780

f. Inventories:

The inventory is valued at the lower of cost or net realizable value. Cost is determined using the moving average cost method. In 2018 and 2017, inventory write-offs amounted to \$52 and \$75, respectively.

Inventory write-offs and write-downs are provided to cover risks arising from slow-moving items or technological obsolescence.

g. Property and equipment, net:

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

	%	
Computers and software	20 - 33	(Mainly 33)
Office furniture and equipment	6 - 15	(Mainly 6)
Leasehold improvements	Over the shorter of the period of the lease or the life of the assets	
Motor vehicles	15	

h. Business combination:

The consolidated financial statements include the operations of an acquired business from the date of the acquisition's consummation. Acquired businesses are accounted for using the acquisition method of accounting in accordance with ASC No. 805, "Business Combinations", which requires, among other things, that most assets acquired and liabilities assumed be recognized at their estimated fair values as of the acquisition date. Transaction costs are expensed as incurred. Any excess of the consideration transferred over the assigned values of the net assets acquired is recorded as goodwill. Contingent consideration incurred in a business combination is included as part of the acquisition price and recorded at a probability weighted assessment of its fair value as of the acquisition date. The fair value of the contingent consideration is re-measured at each reporting period, with any adjustments in fair value recognized in earnings.

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

i. Impairment of long-lived assets and intangible assets subject to amortization:

The Company's long-lived assets are reviewed for impairment in accordance with ASC 360-10, *Accounting for the Impairment or Disposal of Long-Lived Asset*, whenever events or changes in circumstances indicate that the carrying amount of an asset (or asset group) may not be recoverable. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset (or asset group) to the future undiscounted cash flows expected to be generated by the assets (or asset group). If such assets are considered to be impaired, the impairment to be recognized is measured as the amount by which the carrying amount of the assets exceeds their fair value.

Recoverability of intangible assets is measured by a comparison of the carrying amount of the asset to the undiscounted future cash flows expected to be generated by the asset. If intangible assets are considered to be impaired, the amount of any impairment is measured as the difference between the carrying value and the fair value of the impaired assets.

Intangible assets with finite lives are amortized using the straight-line basis over their useful lives, to reflect the pattern in which the economic benefits of the intangible assets are consumed or otherwise used up. As of December 31, 2018 the remaining intangible assets were comprised of customer relationship (see Note 7).

For each of the three years ended on December 31, 2018, 2017 and 2016, no impairment losses were identified.

j. Goodwill:



Goodwill represents excess of the costs over the net assets of businesses acquired. Under ASC 350, *Intangibles - Goodwill and Other* (“ASC 350”), goodwill is not amortized but instead is tested for impairment at least annually or between annual tests in certain circumstances, and written-down when impaired.

The Company performs its annual impairment analysis of goodwill as of December 31 of each year, or more often if indicators of impairment are present. The provisions of ASC 350 require that a two-step impairment test be performed on goodwill at the level of the reporting units. In the first step, or “Step 1”, the Company compares the fair value of each reporting unit to its carrying value. If the fair value exceeds the carrying value of the net assets, goodwill is considered not impaired, and the Company is not required to perform further testing. If the carrying value of the net assets exceeds the fair value, then the Company must perform the second step, or “Step 2”, of the impairment test in order to determine the implied fair value of goodwill. To determine the fair value used in Step 1, the Company uses discounted cash flows. If and when the Company is required to perform a Step 2 analysis, determining the fair value of its net assets and its off-balance sheet intangibles would require it to make judgments that involve the use of significant estimates and assumptions.

The Company operates in two operating-based segments: RFID and Mobile Solutions and Supply Chain Solutions. The Company’s goodwill is related to the RFID and Mobile Solutions segment, which represents a reporting unit as a whole.

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

The Company determined the fair value of such reporting unit using the Income Approach, which utilizes a discounted cash flow model, as it believes that this approach best approximates the reporting unit's fair value at this time. The impairment test was based on a valuation performed by management with the assistance of a third party appraiser. Judgments and assumptions related to revenue, operating income, future short-term and long-term growth rates, weighted average cost of capital, interest, capital expenditures, cash flows, and market conditions are inherent in developing the discounted cash flow model. The material assumptions used for the Income Approach for 2018 were five years of projected net cash flows, WACC of 15% and a long-term growth rate of 2%. The Company considered historical rates and current market conditions when determining the discount and growth rates to use in its analyses. If these estimates or their related assumptions change in the future, the Company may be required to record impairment charges for its goodwill.

The aggregate fair value of the RFID and Mobile Solutions segment depends on various factors, some of which are qualitative and involve management judgment, including stable backlog coverage and experience in meeting operating cash flow targets.

During years 2018, 2017 and 2016 no impairment losses have been identified.

k. Severance pay:

The Company's liability for severance pay for its Israeli employees is calculated pursuant to the Israeli Severance Pay Law - 1963 (the "Israeli Severance Pay Law"), based on the most recent salary of the employees multiplied by the number of years of employment as of the balance sheet date. Employees employed for a period of more than one year are entitled to one month's salary for each year of employment or a portion thereof. The Company's liability for its Israeli employees is mostly covered by insurance or pension policies designed solely for distributing severance pay.

Most of the Company's employees are subject to Section 14 of the Israeli Severance Pay Law. The Company's contributions towards severance pay, for Israeli employees subject to this section, have replaced its severance obligation. Upon contribution of the full amount of the employee's monthly salary for each year of service, no additional calculations are conducted between the parties regarding the matter of severance pay and no additional payments are required to be made by the Company to the employee in respect of severance pay. Further, the related obligation and amounts deposited on behalf of the employee for such obligation are not stated on the balance sheet, as the Company is legally released from the obligation to employees once the deposit amounts have been paid.

Severance expenses for years 2018, 2017 and 2016 amounted to \$210, \$ 451 and \$ 240, respectively.

#### 1. Revenue recognition:

The Company derives its revenues mainly from the sale of products and supporting services.

In accordance with ASC Topic 605 "Revenue Recognition", until December 31, 2017 (prior to the adoption of ASC Topic 606) the Company recognized revenues from sale of products when the following fundamental criteria were met: (i) persuasive evidence of an arrangement exists; (ii) delivery has occurred or services have been rendered; (iii) the price to the customer is fixed or determinable and (iv) collection of the resulting receivable is reasonably assured.

Revenues from service contracts were recognized ratably over the service period.

The Company applied the provisions of ASC Topic 605-25, "Revenue Recognition - Multiple-Element Arrangements", as amended. ASC Topic 605-25 provides guidance on how to account for arrangements that involve the delivery or performance of multiple products and services. For such arrangements, each element of the contract is accounted for as a separate unit when it provides the customer value on a stand-alone basis.

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

The Company followed the guidance in ASC 605-35, “Revenue Recognition - Construction-Type and Production-Type Contracts” (“ASC 605-35”), with respect to revenues from customized software solutions, whereby the Company applied the Completed contract method, since the Company was unable to obtain reasonable dependable estimates of the total effort required for completion. Under the completed contract method, all revenue and related costs of revenue were deferred and recognized upon completion. Provisions for estimated losses on contracts in process were recognized in the period such losses were determined.

Deferred revenues included unearned amounts received from customers (mostly for service contracts and advances from customers) but not yet recognized as revenues. Deferred revenues from service contracts were recognized over the period of the contract and advances were recognized once the delivery of the products is done.

Revenue recognition accounting policy applied from January 1, 2018 (following the adoption of ASC Topic 606):

On January 1, 2018, the Company adopted ASC Topic 606, Revenue from Contracts with Customers (“ASC 606”) using the modified retrospective transition method to all contracts that were not completed on the effective date of ASC 606. Among others. The Company implemented internal controls and key system functionality to enable the preparation of financial information on adoption. The adoption of ASC 606 resulted in changes to the Company’s accounting policies for revenue recognition previously recognized under ASC 605 as detailed below. However, there were no significant changes to the timing or pattern of revenue recognition to any of the revenue streams of the Company under ASC 606 and those that were previously reported under ASC 605. Accordingly, the adoption of ASC 606 did not have material effect on the consolidated statements of operations and balance sheets.

In accordance with ASC 606, The Company determines revenue recognition through the following five steps:

Identification of the contract, or contracts, with a customer;

Identification of the performance obligations in the contract;

Determination of the transaction price;

Allocation of the transaction price to the performance obligations in the contract; and

Recognition of revenue when, or as, the Company satisfies a performance obligation.

A contract with a customer exists when all of the following criteria are met: the parties to the contract have approved it (in writing, orally, or in accordance with other customary business practices) and are committed to perform their respective obligations, the Company can identify each party's rights regarding the distinct goods or services to be transferred ("performance obligations"), the Company can determine the transaction price for the goods or services to be transferred, the contract has commercial substance and it is probable that the Company will collect substantially all of the consideration to which it will be entitled in exchange for the goods or services that will be transferred to the customer.

The transaction price represents the amount of consideration to which the Company expects to be entitled in exchange for transferring promised goods or services to a customer. The consideration promised in a contract with a customer may include fixed amounts, variable amounts, or both. Variable consideration is included in the transaction price only if it is not considered constrained (i.e. it is considered probable that a significant reversal in the amount of cumulative revenue recognized will not occur).

Revenue is recognized when, or as, the Company satisfies a performance obligation by transferring a promised good or service to a customer. A product is transferred when, or as, the customer obtains control of that product, and a service is considered transferred as the services are received and used by the customers.

Revenues are recorded in the amount of consideration to which the Company expects to be entitled in exchange for performance obligations upon transfer of control to the customer. If a contract contains a single performance obligation, the entire transaction price is allocated to the single performance obligation. Contracts that contain multiple performance obligations such as different products or products and services the Company performs an allocation of the transaction price to each performance obligation based on a relative standalone selling price basis.

The Company records revenues net of any value added or sales tax.

F-15

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

In accordance with ASC 606, the Company's revenues are recognized as follows:

The Company generates its revenues primarily from the sale of products such as electro mechanical components and RFID and Automatic Identification Data Capture hardware manufactured by third parties, through a direct sales to its customers. Revenues from sales of products are recognized at the point of time when the control of the product is passed on to the customer, mostly upon delivery to the customer, either at the Company premises by delivery to the customer carrier or upon delivery to the customer premises, as applicable to each contract.

Revenues from service contracts are recognized over the contract's period (for time-based services) or based on the amount of work performed (for on-site inventory count and similar services). Renewals of service support contracts create new performance obligations that are satisfied over the term with the revenues recognized ratably over the period.

For arrangements that involve the delivery or performance of multiple products or products sold with service contracts, the Company analyzes whether the goods or services that were promised to the customer are distinct. A good or service promised to a customer is considered 'distinct' if both of the following criteria are met: 1. The customer can benefit from the goods or service, either on its own (i.e. without any professional services, updates or technical support) or together with other resources that are readily available to the customer; and, 2. The Company's promise to transfer the goods or service to the customer is separately identifiable from other promises in the contract.

Revenues from service contracts sold to customers within a single contractually binding arrangement together with products, were determined to be distinct and therefore, are accounted for revenue recognition purposes, as a separate performance obligation. Accordingly, the amount attributed to the service contract is recognized over time, on a straight-line basis over the contract's period, as the services are mostly refer to time-based support services.

Deferred revenues include unearned amounts received from customers (mostly for service contracts and advances from customers) but not yet recognized as revenues. Deferred revenues from service contracts are recognized over the period of the contract and advances are recognized once the delivery of the products is done. Deferred revenues include advanced payments from customers in the amount of \$243 as of December 31, 2018. This amount is 4. expected to be recognized during 2019, once the delivery of the products is done. In addition, deferred revenues include unearned amounts from service contracts, which are mostly for a period of three to five years, and the Company recognizes the revenues over the contract's period. As of December 31, 2018, the deferred revenues from service contracts amounted to \$408. This amount will be recognized in the years 2019 until 2021, and immaterial amounts related to software.

m. Income taxes:

The Company and its subsidiaries account for income taxes in accordance with ASC 740, Income Taxes ("ASC 740"). ASC 740 prescribes the use of the liability method whereby deferred tax assets and liability account balances are determined based on the differences between the financial reporting and the 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 and its subsidiaries provide a valuation allowance, if necessary, to reduce deferred tax assets to the amounts that are more likely than not to be realized. Interest expense and potential penalties related to income taxes are included in the tax expense line of the Company's Consolidated Statements of Operations.

The Company implements a two-step approach to recognizing and measuring uncertain tax positions accounted for in accordance with ASC 740. The first step is to evaluate the tax position for recognition by determining if the weight of available evidence indicates it is more likely than not that the position will be sustained on audit, including resolution of related appeals or litigation processes, if any. The second step is to measure the tax benefit as the largest amount which is more than 50% likely of being realized upon ultimate settlement.

n. Concentrations of credit risk and allowance for doubtful accounts :

Financial instruments that potentially subject the Company to concentrations of credit risk consist principally of cash and cash equivalents, bank deposits, trade receivables, other accounts receivable and foreign currency derivative contracts.

The trade receivables of the Company are derived from sales to customers located primarily in Israel, the Far East, Europe and America. The Company generally does not require collateral;



Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

however a significant part of the Company's customers outside of Israel are insured against customer nonpayment, through the Israeli Credit Insurance Company Ltd. In certain circumstances, the Company may require letters of credit, other collateral, additional guarantees or advanced payments. An allowance for doubtful accounts is determined with respect to specific debts that are doubtful of collection. The expenses (income) related to the allowance for doubtful accounts for the years ended December 31, 2018, 2017 and 2016, is \$17, \$27 and \$10, respectively.

o. Contingencies

The Company and its subsidiaries are involved in certain legal proceedings that arise from time to time in the ordinary course of their business and in connection with certain agreements with third parties. Except for income tax contingencies, the Company records accruals for contingencies to the extent that the management concludes that the occurrence is probable and that the related liabilities are estimable. Legal expenses associated with contingencies are expensed as incurred.

p. Derivative financial instruments:

ASC 815 requires the presentation of all derivatives as either assets or liabilities on the balance sheet and the measurement of those instruments at fair value. For derivative instruments that are designated and qualify as a cash flow hedge (i.e., hedging the exposure to variability in expected future cash flows that is attributable to a particular risk), the effective portion of the gain or loss on the derivative instrument is reported as a component of other comprehensive income ("OCI") and reclassified into earnings in the same period or periods during which the hedged transaction affects earnings. The remaining gain or loss on the derivative instrument in excess of the cumulative change in the present value of future cash flows of the hedged item, if any, is recognized in current earnings during the period of change. See Note 10 for disclosure of the derivative financial instruments in accordance with such pronouncements.

For other derivatives which do not qualify for hedge accounting, or which have not been designated as hedging instruments, are recognized in the balance sheet at their fair value, with changes in the fair value carried to the statements of income as incurred in financing income (expenses), net.

q. Basic and diluted net income per share:

Basic net income per share is calculated based on the weighted average number of Ordinary Shares outstanding during each year. Diluted net income per share is calculated based on the weighted average number of Ordinary Shares outstanding during each year, plus the potential dilution to Ordinary Shares considered outstanding during the year, in accordance with ASC 260, *Earning per Share*.

The total number of Ordinary Shares related to outstanding options and warrants that was excluded from the calculations of diluted net earnings per share, since they would have an anti-dilutive effect, was 294,250, 314,125 and 283,670 for the years ended December 31, 2018, 2017, and December 31, 2016, respectively.

r. Accounting for share-based compensation:

The Company accounts for equity-based compensation in accordance with ASC 718, *Stock Compensation* (“ASC 718”), which requires the recognition of compensation expenses based on estimated fair values for all equity-based awards made to employees and directors.

ASC 718 requires companies to estimate the fair value of equity-based payment awards on the date of grant using an option pricing model. The value of the portion of the award that is ultimately expected to vest is recognized as an expense over the requisite service periods in the Company’s consolidated statements of operations.

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

The Company recognizes compensation expenses for the value of its awards granted based on the straight-line method over the requisite service period of each of the awards, net of estimated forfeitures. ASC 718 requires forfeitures to be estimated at the time of grant and revised, if necessary, in subsequent periods if actual forfeitures differ from those estimates. Estimated forfeitures are based on actual historical pre-vesting forfeitures. The Company considers many factors when estimating forfeitures, including employee class and historical experience.

The Company estimates the fair value of stock options granted using the Black-Scholes option pricing model. The option-pricing model requires a number of assumptions, of which the most significant are expected stock price volatility and the expected option term. Expected volatility was calculated based upon actual historical stock price movements over the most recent periods ending on the date of grant, equal to the expected option terms. The expected option term represents the period that the Company's stock options are expected to be outstanding and was determined based on the simplified method permitted by the SEC's Staff Accounting Bulletin ("SAB") No.107 and extended by SAB 110 as the average of the vesting period and the contractual term. The Company currently uses the simplified method as adequate historical experience is not available to provide a reasonable estimate.

The risk-free interest rate is based on the yield from U.S. Treasury zero-coupon bonds with an equivalent term. The Company has historically not paid dividends and has no foreseeable plans to pay dividends.

The fair value for options granted in years 2018, 2017 and 2016 was estimated on the date of grant using the Black-Scholes option pricing model with the following weighted average assumptions:

Year ended December 31,		
2018	2017	2016

Risk-free interest	2.73%	2.05%	1.09%
Dividend yields	0	0	0
Volatility	55%	57%	85%
Expected option term	3.5 years	3.5 years	3.5 years
Forfeiture rate	0%	0%	0%

The Company applies ASC 505-50, Equity-Based Payments to Non-Employees (“ASC 505”) with respect to options and warrants issued to non-employees, which requires the use of option valuation models to measure the fair value of the options and warrants at the measurement date.

s. Fair value of measurements:

The Company measures fair value and discloses fair value measurements for financial and non-financial assets and liabilities.

The Company also measures certain non-financial assets, consisting mainly of goodwill and intangible assets at fair value on a nonrecurring basis. These assets are adjusted to fair value when they are considered to be impaired (see Note 7). As of December 31, 2018 the Company measured the fair value of goodwill with a total carrying amount of US\$ 4.7 million that is allocated to one reporting unit. The evaluation provided that there is no need to recognize impairment. The fair value measurement of the non-financial assets is classified as level 3.

The Company applies ASC 820, Fair Value Measurements and Disclosures (“ASC 820”), pursuant to which fair value is defined as the price that would be received in consideration for the sale of an asset or paid for the transfer of 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 of the Company.

Unobservable inputs are inputs that the Company assumes market participants would use in pricing the asset or liability developed based on the best information available under the circumstances.

In accordance with ASC 820, derivative contracts are classified within Level 2 as the valuation inputs are based on quoted prices and market observable data of similar instruments.



Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

The Company's financial liabilities and assets measured at fair value on a recurring basis, consisted of derivatives (foreign currency forward contracts and hedging contracts) which were classified within Level 2 and amounted to \$ 87 and \$ 30 liability as of December 31, 2018 and 2017, respectively.

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

- Level 1 Quoted prices (unadjusted) in active markets for identical assets or liabilities that the Company can 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.  
-

The carrying amounts of cash and cash equivalents, restricted cash, restricted bank deposits, other accounts receivable, trade payables, and other accounts payable and accrued expenses approximate their fair values due to the short-term maturities of such instruments.

t. New and recent accounting pronouncements:

**Accounting Standards Update 2014-09, "Revenue from Contracts with Customers"**

Commencing January 1, 2018 the Company adopted Accounting Standard Update 2014-09, Revenue from Contracts with Customers (Topic 606) (“ASU 2014-09”) using the modified retrospective transition method to all contracts that were not completed on the effective date of ASC 606.

ASU 2014-09 outlines a single comprehensive model to use in accounting for revenue arising from contracts with customers and supersedes most current revenue recognition guidance, including industry-specific guidance. ASU 2014-09 also requires entities to disclose sufficient information, both quantitative and qualitative, to enable users of financial statements to understand the nature, amount, timing and uncertainty of revenue and cash flows arising from contracts with customers.

An entity should apply the amendments in ASU 2014-09 using one of the following two methods: 1. Retrospectively to each prior reporting period presented with a possibility to elect certain practical expedients, or, 2. Retrospectively with the cumulative effect of initially applying ASU 2014-09 recognized at the date of initial application. If an entity elects the latter transition method, it also should provide certain additional disclosures.

During 2016, the FASB issued several Accounting Standards Updates (“ASUs”) that focus on certain implementation issues of the new revenue recognition guidance including Narrow-Scope Improvements, Practical Expedients and technical corrections.

In accordance with an amendment to ASU 2014-09, introduced by Accounting Standard 2015-14, “Revenue from contracts with Customers – Deferral of the Effective Date”, for a public entity, the amendments in ASU 2014-09 became effective for annual reporting periods beginning after December 15, 2017, including interim periods within that reporting period (fiscal year 2018 for the Company).

The Company evaluated the impact of ASU 2014-09 on its revenue streams and selling contracts, if any, and on its financial reporting and disclosures and on the business processes, controls and systems. Based on such evaluation, management has determined that the adoption of ASU 2014-09 did not have a significant impact on its consolidated financial statements.

See also NOTE 21 above.

**Accounting Standards Update 2016-02, “Leases (Topic 842): Section A – Leases: Amendments to the FASB Accounting Standards Codification; Section B – Conforming Amendments Related to Leases: Amendments to the FASB Accounting Standards Codification; Section C – Background Information and Basis for Conclusions”**

In February, 2016, the FASB issued its new lease accounting guidance in Accounting Standards Update (ASU) No. 2016-02, Leases (Topic 842).

Under the new guidance, lessees will be required to recognize the following for all leases (with the exception of short-term leases) at the commencement date: 1. A lease liability, which is a lessee's obligation to make lease payments arising from a lease, measured on a discounted basis; and, 2. A right-of-use asset, which is an asset that represents the lessee's right to use, or control the use of, a specified asset for the lease term.

F-19



Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

Under the new guidance, lessor accounting is largely unchanged. Certain targeted improvements were made to align, where necessary, lessor accounting with the lessee accounting model and Topic 606, Revenue from Contracts with Customers. The new lease guidance simplified the accounting for sale and leaseback transactions primarily because lessees must recognize lease assets and lease liabilities. Lessees will no longer be provided with a source of off-balance sheet financing.

Public business entities should apply the amendments in ASU 2016-02 for fiscal years beginning after December 15, 2018, including interim periods within those fiscal years (i.e., January 1, 2019, for a calendar year Company). Early application is permitted for all public business entities upon issuance.

In July 2018, the FASB issued amendments in ASU 2018-11, which provide a transition election to not restate comparative periods for the effects of applying the new standard. This transition election permits entities to change the date of initial application to the beginning of the earliest comparative period presented, or retrospectively at the beginning of the period of adoption through a cumulative-effect adjustment.

The Company expects to adopt the new standard on January 1, 2019 and to use the effective date as the date of initial application. Consequently, the effect of the adoption will be reflected through a cumulative-effect adjustment, financial information for comparative periods will not be updated and the disclosures required under the new standard will not be provided for dates and periods before January 1, 2019.

The new standard provides a number of optional practical expedients in transition some of which, if elected, are required to be applied as a package (package of practical expedients) while other expedients can be applied on a stand-alone basis. Such package permits the Company not to reassess its prior conclusions regarding lease

identification, lease classification and initial direct costs under the new standard. the company currently believes that the most significant impact will be reflected in: (i) the recognition of right-of-use assets and lease liabilities on the company's balance sheet for its operating leases of facilities and motor vehicles, and (ii) the requirement to provide significant new disclosures regarding leasing activities. The Company, however, does not expect a material impact to its consolidated statements of income and consolidated statements of cash flow.

Following adoption of the new standard, the Company expects to recognize additional operating liabilities in an estimated amount of \$879, with corresponding right-of-use assets of approximately the same amount based on the present value of the remaining minimum rental payments under current leasing standards for existing operating leases.

The new standard also provides practical expedients for an entity's ongoing accounting. The company expects to elect the short-term lease recognition exemption for all leases that qualify. This means, for those leases, right-of-use assets or lease liabilities will not be recognized (including right-of-use assets or lease liabilities for existing short-term leases of those assets in transition).

**Accounting Standards Update 2016-13, "Financial Instruments – Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments"**

In June 2016, the FASB issued ASC Update 2016-13, "Financial Instruments – Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments."

ASC Update 2016-13 revised the criteria for the measurement, recognition, and reporting of credit losses on financial instruments to be recognized when expected. This update is effective for fiscal years beginning after December 15, 2019, including the interim periods within those years, with early adoption permitted for fiscal years beginning after December 15, 2018, including interim periods within those years.

The Company is in the process of evaluating the effect that ASU 2016-13 will have on the results of operations and financial statements, if any.

**Accounting Standards Update 2017-04 "Intangibles - Goodwill and Other (Topic 350): Simplifying the Test for Goodwill Impairment"**

In January 2017, the FASB issued ASC Update 2017-4, "Intangibles - Goodwill and Other (Topic 350): Simplifying the Test for Goodwill Impairment."

F-20

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

To simplify the subsequent measurement of goodwill, the amendments eliminate Step 2 from the goodwill impairment test. The annual, or interim, goodwill impairment test is performed by comparing the fair value of a reporting unit with its carrying amount. An impairment charge should be recognized for the amount by which the carrying amount exceeds the reporting unit's fair value; however, the loss recognized should not exceed the total amount of goodwill allocated to that reporting unit. In addition, income tax effects from any tax deductible goodwill on the carrying amount of the reporting unit should be considered when measuring the goodwill impairment loss, if applicable.

The amendments also eliminate the requirements for any reporting unit with a zero or negative carrying amount to perform a qualitative assessment and, if it fails that qualitative test, to perform Step 2 of the goodwill impairment test. An entity still has the option to perform the qualitative assessment for a reporting unit to determine if the quantitative impairment test is necessary.

The amendments should be applied on a prospective basis. The nature of and reason for the change in accounting principle should be disclosed upon transition.

A public business entity that is a U.S. Securities and Exchange Commission (SEC) filer should adopt the amendments for its annual or any interim goodwill impairment tests in fiscal years beginning after December 15, 2019.

Early adoption is permitted for interim or annual goodwill impairment tests performed on testing dates after January 1, 2017.

The Company is evaluating the impact of ASU 2017-4 on its goodwill impairment valuation.

**Accounting Standards Update 2017-12 “Derivatives and Hedging (Topic 815): Targeted Improvements to Accounting for Hedging Activities”**

In August 2017, the FASB issued ASC Update 2017-12, “Derivatives and Hedging (Topic 815): Targeted Improvements to Accounting for Hedging Activities. (ASU 2017-12)”

ASU 2017-12, amends the hedge accounting recognition and presentation requirements in ASC 815 in order to (1) improve the transparency and understandability of information conveyed to financial statement users about an entity’s risk management activities by better aligning the entity’s financial reporting for hedging relationships with those risk management activities and (2) reduce the complexity of and simplify the application of hedge accounting by preparers.

ASU 2017-12 eliminates the concept of separately recognizing periodic hedge ineffectiveness for cash flow and net investment hedges. Accordingly, the impact of both the effective and ineffective components of a hedging relationship will be recognized in the same financial reporting period and in the same income statement line item. Also, the guidance in ASU 2017-12 includes certain targeted improvements to existing guidance on quantitative and qualitative assessments of initial and ongoing hedge effectiveness.

The transition guidance in ASU 2017-12 requires an entity to apply the amendments using a modified retrospective approach to hedging relationships that exist as of the date of adoption by recording a cumulative-effect adjustment to the opening balance of retained earnings as of the most recent period presented. Entities must apply the new and modified disclosure requirements prospectively from the date of adoption.

For public business entities, the guidance in ASU 2017-12 is effective for fiscal years beginning after December 15, 2018 and for interim periods within those fiscal years. For all other entities, the guidance is effective for fiscal years beginning after December 15, 2019 and for interim periods within fiscal years beginning after December 15, 2020. Early application of the guidance is permitted, including in an interim reporting period. If adopting the guidance in an interim reporting period, an entity must reflect the effect of the adoption as of the beginning of the fiscal year that includes the interim reporting period in which the guidance is adopted.

Table of Contents

**B.O.S. BETTER ONLINE SOLUTIONS LTD.**

**AND ITS SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**U.S. dollars in thousands, except share and per share data**

**NOTE 2:- SIGNIFICANT ACCOUNTING POLICIES (Cont.)**

The Company is evaluating the impact of the amendments on its consolidated financial statements. Based on the current level of the hedging activities of the company, it is expected that ASU 2017-12 will not have a significant impact on the results of operations and financial statements.

**Accounting Standards Update 2018-07 “Compensation—Stock Compensation (Topic 718): Improvements to Nonemployee Share-Based Payment Accounting&rd**