

MANAGEMENT'S DISCUSSION AND ANALYSIS – QUARTERLY HIGHLIGHTS

For the three-month periods ended September 30, 2017 and 2016

[Unless specified otherwise, all amounts are expressed in Canadian dollars]

This Management's discussion and analysis ("MD&A") provides a review of NanoXplore Inc.'s operations, performance and financial position for the three-month periods ended September 30, 2017 and 2016, and should be read in conjunction with the unaudited consolidated financial statements for the three-month periods ended September 30, 2017 and 2016. The purpose of this document is to provide a first-quarter information on our activities. The information contained herein is dated as of November 27, 2017. You will find more information about us on NanoXplore's website at **www.nanoxplore.ca** and on SEDAR at www.sedar.com, including all press releases.

The financial statements have been prepared in accordance with International Financial Reporting Standards ("IFRS"). The Company has consistently applied the accounting policies used in the preparation of its IFRS financial statements, including the comparative figures. We occasionally refer to non-IFRS financial measures in the MD&A. See the Non-IFRS financial measures section for more information. The terms "we", "our", "us", "NanoXplore" or the "Company" mean NanoXplore Inc. and its subsidiaries, unless otherwise indicated.

## CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING INFORMATION

This MD&A contains certain forward-looking statements with respect to the Company. Such forward-looking statements are dependent upon a certain number of factors and are subject to risks and uncertainties. Actual results may differ from those expected. We consider the assumptions on which these forward-looking statements are based to be reasonable, but we advise the reader that these assumptions with regard to future events, many of which are beyond our control, could prove incorrect as they are subject to risks and uncertainties inherent in our activities. Management does not assume any obligation to update or revise any forward-looking statements, whether as a result of new information of future events, except when required by the regulatory authorities.

This MD&A contains forward-looking statements. When used in this MD&A, the words "may", "would", "could", "will", "intend", "plan", "anticipate", "believe", "seek", "propose", "estimate", "project", "expect" and similar expressions are intended to identify forward-looking statements. In particular, this MD&A contains forward-looking statements with respect to, among other things, business objectives, expected growth, results of operations, performance, business projects and opportunities and financial results. These statements involve known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking statements. Such statements reflect NanoXplore's then current views with respect to future events based on certain material facts and assumptions and are subject to certain risks and uncertainties, including without limitation changes in the risk factors described under the section of this Filing Statement. The forward-looking information is based on certain key expectations and assumptions made by NanoXplore, including expectations and assumptions concerning availability of capital resources, business performance, market conditions, customer demand. Although NanoXplore believes that the expectations and assumptions on which such forward-looking information is based are reasonable, undue reliance should not be placed on the forward-looking information since no assurance can be given that they will prove to be correct.

Many factors could cause NanoXplore's actual results, performance or achievements to vary from those described in this MD&A, including without limitation those listed above, those described under the section of this Filing Statement as well as the assumptions upon which they are based proving incorrect. These factors should not be construed as exhaustive. Should one or more of these risks or uncertainties materialize, or should assumptions underlying forward-looking statements prove incorrect, actual results may vary materially from those described in this MD&A as intended, planned, anticipated, believed, sought, proposed, estimated or expected, and such forward-looking statements should not be unduly relied upon. NanoXplore does not intend, and does not assume any obligation, to update these forward-looking statements except as required by law. The forward-looking statements contained in this MD&A are expressly qualified by these cautionary statements. Forward-looking information contained in this MD&A about prospective results of operations, financial position or cash flows is based on assumptions about future events, including economic conditions and proposed courses of action, based on NanoXplore's management's assessment of the relevant information currently available. Readers are cautioned that outlook information contained in this MD&A should not be used for the purposes other than for which it is disclosed herein or therein, as the case may be.

## **BUSINESS OVERVIEW**

### **COMPANY OVERVIEW**

NanoXplore Inc. and its subsidiaries (together "NanoXplore" or the "Company") is a graphene company, a manufacturer and supplier of high volume graphene powder for use in industrial markets as well as standard and custom enhanced thermoplastic products to many customers in transportation, packaging, electronics and other industrial sectors. The address of the Company's corporate office is 25, Boul. Montpellier, St-Laurent (Montreal), QC, Canada.

On August 29, 2017, the Company completed the three-cornered amalgamation involving Graniz Mondal Inc. ("Graniz"), the Company and 9363-0770 Québec Inc. which constituted a reverse takeover of Graniz by the Company under the policies of the TSX Venture Exchange (the "Transaction"). After the Transaction, Graniz Mondal changed its name to NanoXplore Inc. Since September 8, 2017, NanoXplore Inc. is listed on the TSX Venture Exchange and has traded under "GRA".

The Company has the following subsidiaries:

- NanoXplore GmbH, based in Germany, with an equity interest of 100% [2017 100%];
- 9334-7474 Québec Inc., based in Canada, with an equity interest of 100%. 9334-7474 Québec Inc. holds 100% of Rada Industries Ltd. ("Rada Industries").

The Company owns a 50% interest in Two Carbon Inc. ("Two Carbon"). Two Carbon is focused on research and development of graphene solutions for the footwear industry.

### KEY BUSINESS STRATEGY

NanoXplore is in the business of developing, manufacturing, and marketing graphene and graphene based proprietary polymer nanocomposite materials for a number of industries including automotive, packaging and electronic enclosures.

### **Research and Development**

NanoXplore has a very active internal research and development effort and supplements this with external collaborations at many Canadian universities and research institutes. NanoXplore is currently investing in research programs with McGill University, University of Waterloo, Institut national de la recherche scientifique (INRS-EMT), École de technologie supérieure (ETS), Centre de Technologie Minérale et de Plasturgie (CTMP), Concordia University and the National Research Council (NRC). The Company has highly qualified staff including 6 with PhD qualifications, 7 with MSc, and 4 with engineering or science degrees. Our researches are mainly related to battery and to our efforts to increase strength-to-weight ratio of materials with graphene increases energy efficiency.

NanoXplore has benefited from the support of Canada's National Research Council's (NRC's) Industrial Research Assistance Program. NRC has supported the Company in the development of its graphene products under the following projects which each ran for approximately 12 months and ended in June 2017:

- May 2016 "A Platform Technology to Produce Graphene Enhanced Epoxy Resins, Slurries, Pastes and Greases", to a maximum of \$288,000 for the period from May 26, 2016 to June 9, 2017;
- May 2015 the project called "A Platform Technology to Enhance Dispersibility of Graphene for approximately \$192,000 for the period from April 1, 2015 to March 31, 2016;
- May 2014 the project called "Production of Graphene Powders" for approximately \$132,000 for the period from April 1, 2014 to June 30, 2015.

### SDTC

Sustainable Development Technology Canada ("SDTC") is an arm's-length foundation created by the Government of Canada to promote sustainable development, and support projects that develop and demonstrate new technologies to address issues related to climate change, air quality, and clean water and soil. SDTC invests in Canadian companies that, through their innovative technologies, contribute positively to Canada by creating quality jobs, driving economic growth and protecting the environment.

Since the first quarter of financial 2018, NanoXplore began a 5-year project in collaboration with SDTC. The project will demonstrate that through the strategic application of graphene to engineering plastics, the overall performance of many vehicle components (namely trucks, buses, unmanned aerial vehicles) can be significantly improved in terms of mechanical, thermal and electrical shielding performance, while meaningfully reducing weight. This will be achieved at no cost premium to the customer. The Project's environmental benefits will be achieved through GHG savings related to light weighting of components and of the overall vehicle.

The project will cover the phases of further developing and testing of advanced lightweight engineering plastics utilizing graphene, through initial/advanced prototyping, further testing and certification, up to the market readiness efforts towards full scale production of targeted components using the lightweight plastics developed.

### Production

NanoXplore currently has four (4) patent applications regarding production of graphene and its application. Two (2) of them are already issued in US and two (2) are pending. Graphene is a novel material with a variety of outstanding properties. It is currently available in the market at various grades, with performance characteristics such as mechanical strength, and conductivity improving with fewer atomic layers. NanoXplore's patented manufacturing process provides proof of concept to allow for a low-energy, harsh chemical-free manufacture designed to achieve high-grade graphene material at a projected industry leading low cost. Today NanoXplore has capacity to produce 25 metric tonnes of graphene per year.

IP Type	Country	Number	Filing Date	Status	Description
Patent	Canada	CA2837394	19 Dec/13	Pending	Electro-Magneto-Chemical Synthesis of Few Or Multi-Layers Magnetic Graphene, And Graphene Oxide And Uses Thereof
Patent	US	9,586,825	9 Dec/14	Issued March 7, 2017	Large Scale Production of Partially Oxidized Graphene
Patent	US	9,469,542	22 Dec/15	Issued October 18, 2016	Large scale production of thinned graphite, graphene and graphite-graphene composites
Patent	US	62/275,591	4 Jan/16	Pending	Method of compounding graphene with non- conductive particles and applications thereof

The Company has successfully finished the second phase of a development program to advance this manufacturing process from lab scale (200Kg/year in 2014) to pilot scale (4 metric tonnes/ year in 2015). During the first quarter of financial 2018, NanoXplore scaled up its graphene manufacturing to a large-scale manufacturing operation (25 metrics tonnes/year). Furthermore, NanoXplore has compounding and mixing capability and produces graphene enhanced plastic master batch pellets to be used in packaging and automotive applications. During 2015 fiscal year, NanoXplore added a twin-screw extrusion to add the capability of mixing graphene with plastic to produce master batch pellets. As a result of that, NanoXplore has a capacity of 400 metric tonnes/year master batch pellet production. To accelerate the time-to-market, NanoXplore is active in downstream acquisition of plastic forming businesses. Through the acquisition, NanoXplore accesses into the existing relationship of acquired companies with their customers and has the chance to introduce graphene rapidly to them. To support this business model, NanoXplore has acquired a custom plastic injection and blow molding company, Rada Industries in June 2016. Integration of Rada Industries business in ongoing and NanoXplore hopes to access to Rada Industries' customers in order to offer graphene enhanced plastic solutions and products. NanoXplore is constantly looking into potential acquisition opportunities in plastic forming businesses in Europe and Canada.

The graphene production and master batch pellet production facility is located at 25 Montpellier Blvd, H4N 2G3 Montreal Canada, with a lease agreement from October 1<sup>st</sup> 2015 until October 1<sup>st</sup> 2020. Company's plastic forming facility is located at 181 Rue Brossard, J5B 1W9, Delson, Canada at Rada Industries location.

## **FINANCIAL HIGHLIGHTS**

The following selected financial data are derived from the Financial Statements of the Company for the following periods:

	Three-month periods ended September 30				
	2017	2016	Difference	Difference	
	\$	\$	\$	%	
Consolidated Statements of Loss					
Revenues	613,655	731,815	(118,160	) -16%	
Loss and comprehensive loss for the period	(2,363,238)	(545,727)	(1,817,511	) 333%	
Basic loss per share	(0.04)	(0.01)	(0.03	) 265%	
Consolidated Statements of Cash Flows					
Operating activities	(750,987)	(378,866)	(372,121	) 98%	
Investing activities	(161,050)	(247,137)	86,087	7 -35%	
Financing activities	8,718,075	281,782	8,436,293	3 2994%	
Net change in cash	7,806,038	(344,221)	8,150,259	9 -2368%	

	As at September 30, 2017 \$	As at June 30, 2017 \$	Difference \$	Difference %
Consolidated Statements of Financial Position				
Cash	8,227,252	421,214	7,806,03	8 1853%
Inventory	288,073	293,317	(5,244	) (2%)
Property, plant and equipment	3,448,976	3,383,184	65,792	2 2%
Total assets	12,585,360	4,736,483	7,848,87	7 166%
Operating loan	-	215,000	(215,000	) (100%)
Long-term Debt	2,132,991	2,162,705	(29,714	.) (-1%)
Total liabilities	3,496,872	3,444,842	52,03	Ó 2%
Equity	9,088,488	1,291,641	7,796,84	7 604%

## **Private Placement**

On August 2, 2017, the Company completed in connection with the Transaction a brokered private placement financing of subscription receipts ("Subscription Receipts") sold at a price of \$0.45 per Subscription Receipt for gross proceeds of \$9,697,082. At the closing of the Transaction, each Subscription Receipt was converted into one unit which consist of one common share of the Company and one half of one common share purchase warrant of the Company. Each warrant of the Company entitles the holder to acquire an additional Company common share at a price of \$0.70 for a period of 24 months from August 2, 2017. As consideration for the services of the broker agent rendered in connection with the private placement, the Company has agreed to pay the broker an aggregate cash fee equal to 7% of the gross proceeds of the private placement and to issue a number of broker warrants (the "Broker Warrants") equal to 7% of the number of Subscription Receipts issued pursuant to the private placement, except in respect of sales to certain purchasers identified by the Company representing \$1 million (the "President's List Subscribers") for which the Company agreed to pay a cash fee equal to 3.5% of the gross proceeds in respect of Subscription Receipts subscribed for by President's List Subscribers. Each Broker Warrant is exercisable to purchase one common share of the Company (a "Broker Warrant Share") at a price of \$0.45 per Broker Warrant Share at any time in whole or from time to time in part for a period of 24 months following the closing of the Transaction. The Broker Warrants shall be exercisable following the satisfaction of the Release Conditions.

## **REVERSE TAKEOVER RELATED TRANSACTIONS**

On August 29, 2017, the Company completed the three-cornered amalgamation involving Graniz Mondal Inc. ("Graniz"), the Company and 9363-0770 Québec Inc. which constituted a reverse takeover of Graniz by the Company under the policies of the TSX Venture Exchange (the "Transaction").

Pursuant to the Transaction, Graniz changed its name to NanoXplore Inc. On September 21, 2017, NanoXplore Inc. and Group NanoXplore Inc. merged and now operate under NanoXplore Inc.

Graniz and the Company completed the Amalgamation Agreement pursuant to which Graniz acquired all the issued and outstanding common shares of the Company. Pursuant to the terms and conditions of the Amalgamation Agreement, under which it issued 56,210,252 common shares to the Company's shareholders, reflecting an exchange ratio of 1:1 (on a post consolidation basis), at a deemed price of \$0.45 per share and thereafter continued the Company's commercial and engineering activities as NanoXplore Inc. The capital structure of NanoXplore Inc. has been unchanged from Graniz's current capital structure, other than for the issuance of the shares contemplated by the Transaction. This transaction resulted in a reverse takeover of Graniz by the Company, whereby the Company has been deemed to have acquired control of Graniz through the deemed issuance of 1,412,939 common shares (on a post consolidation basis) to Graniz's shareholders.

Prior to the closing of the Transaction, Graniz completed the consolidation of its common shares on the basis of one Graniz Post-Consolidation Share for every 15 Graniz common shares outstanding. Graniz's outstanding options have been replaced by 141,293 post consolidation new options of NanoXplore Inc. at an exercise price of \$0.45 per share.

Prior to the closing of the Transaction, the Company completed the conversion of its common shares on the basis of one to 40.0667 common shares outstanding. Related adjustments have been brought to the Company's outstanding options.

The Transaction constitutes a reverse takeover of Graniz but does not meet the definition of a business combination under IFRS 3, Business Combinations. Accordingly, the Company will account for the reverse takeover transaction in accordance with IFRS 2, Share-based Payment.

As part of the Transaction, NanoXplore Inc. also issued 755,556 common shares to former insiders of Graniz as settlement for debts and NanoXplore Inc. disposed of its option to acquire a 75% interest in the Mousseau West property, in exchange for which it was granted a release for money owed in connection thereof.

NanoXplore Inc. also issued an aggregate of 115,556 common shares to certain advisors pursuant to finder's fee agreements and following the receipt of shareholders' approval at the annual and special shareholders meeting of Graniz held on August 11, 2017.

# **CONSOLIDATED OPERATIONS**

		Three-month periods ended Septe					
	2017	2016	Difference	Difference			
	\$	\$	\$	%			
Revenues							
Sales of products	601,155	661,856	(60,701)	-9%			
Royalties	12,500	12,500	( · · · · · · · · · · · · · · · · · · ·	0%			
Other income	,	57,459	(57,459)	-100%			
·	613,655	731,815	(118,160)	-16%			
Expenses							
Wages and salaries	725,401	530,544	194,857	37%			
Raw materials, consumables and supplies	218,991	201,701	17,290	9%			
Research and development cost	156,063	107,850	48,213	45%			
General administration cost	125,301	182,045	(56,744)	-31%			
Energy	41,188	35,815	5,373	15%			
Rent	28,777	20,513	8,264	40%			
Insurance	13,664	3,865	9,799	254%			
Repairs and maintenance	36,634	20,982	15,652	75%			
Share-based compensation	81,128	22,532	58,596	260%			
Depreciation	81,332	81,184	148	0%			
Foreign exchange	(1,408)	15,387	(16,795)	-109%			
	1,507,071	1,222,418	284,653	23%			
Operating loss	(893,416)	(490,603)	(402,813)	82%			
Non-recurring expenses							
Listing expenses	1,443,860		1,443,860	100%			
Loss before income taxes and interests	(2,337,276)	(490,603)	(1,846,673)	376%			
Interest on long-term debt	(24,871)	(50,124)	25,253	-50%			
Share of loss of a joint venture	(1,091)	(5,000)	3,909	-78%			
Loss before income taxes	(2,363,238)	(545,727)	(1,817,511)	333%			
	_	_	_	100%			
Deferred income taxes recovery	_	_	_	100%			
Loss and comprehensive loss for the period	(2,363,238)	(545,727)	(1,817,511)	333%			

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**MANAGEMENT'S DISCUSSION AND ANALYSIS -** QUARTERLY HIGHLIGHTS FOR THE THREE-MONTH PERIODS ENDING SEPTEMBER 30, 2017 AND 2016

	Selected Quarterly Information						
		Revenue	Net loss	Basic and diluted loss per share			
Q1-2018	September 30, 2017	613,655	(2,363,238)	(0.04)			
Q4-2017	June 30, 2017	813,456	(553,282)	(0.01)			
Q3-2017	March 31, 2017	779,298	(655,257)	(0.01)			
Q2-2017	December 31, 2016	1,043,000	(371,000)	(0.01)			
Q1-2017	September 30, 2016	731,815	(545,727)	(0.01)			
Q4-2016	June 30, 2016	246,100	(675,538)	(0.01)			
Q3-2016	March 31, 2016	69,923	(424,359)	(0.01)			
Q2-2016	December 31, 2015	398,000	(58,000)	(0.00)			

## Selected Quarterly Information

### REVENUE

#### Other income

Other income for the three-month period ended September 30, 2017 were nil compared to \$57,459 during the comparative period of 2016, representing a decrease of \$57,459. The Company has benefited from the support of Canada's National Research Council in the development of its graphene products and the program ended in June 2017.

#### **OPERATING COST**

#### Salaries and employee benefits

Salaries and employee benefits expenses were \$725,401 during the three-month period ended September 30, 2017 compared to \$530,544 for the corresponding period in 2016, representing an increase of \$194,857. The increase is mainly due to bonuses that were giving to employee and officers.

#### **Research and development**

Research and Development ("R&D") expenses were \$156,063 during the three-month period ended September 30, 2017 compared to \$107,850 for the corresponding period in 2016, representing an increase of \$48,213. The main reason for R&D expenses increase is related to an increase of studies related to graphene properties. R&D cost also includes wages and salaries of researchers in the amount of \$120,205 for Q1-2018.

#### **General administration**

General administration expenses were \$125,301 during the three-month period ended September 30, 2017 compared to \$182,045 for the corresponding period in 2016, representing a decrease of \$56,744. The decrease is mainly due to a reduction of professional fees.

### Share-based compensation

Share-based compensation expenses were \$81,128 during the three-month period ended September 30, 2017 compared to \$22,532 for the corresponding period in 2016, representing an increase of \$58,596. The increase is related to an increase of stock options granted to an officer and employees.

#### Non-recurring expenses

Listing expenses amounts to \$1,443,860 for the three-month period ended September 30, 2017 compared to \$ Nil for 2016. The fees are related to the reverse takeover transactions of Graniz Mondal Inc.

## FINANCIAL POSITION, LIQUIDITY AND CAPITAL RESOURCES

## **CONSOLIDATED FINANCIAL POSITION**

	As at September	As at June 30, 2017	Difference	
	30, 2017	·	¢	
	\$	\$	\$	Main reasons for significant differences
Assets				
Cash	8,227,252	421,214	7,806,038	The Company completed a private placement for gross proceeds of \$9.7M.
Accounts receivable	428,149	462,322	(34,173)	
Inventory	288,073	293,317	(5,244)	
Investment in a joint venture	60,217	61,308	(1,091)	
Property, plant and equipment	3,448,976	3,383,184	65,792	Increase due to purchase of equipment related to scale-up of production
Other assets	132,693	115,138	16,804	
Total assets	12,585,360	4,736,483	7,848,877	
Liabilities and shareholders' eq Liabilities Current liabilities	1,050,000	753,256	296,744	Increase mainly due to the reverse takeover related costs
Operating loan	_	215,000	(215,000)	Repayment of the operating loan
Long-term debt	2,132,991	2,162,705	(29,714)	
Deferred income taxes liabilities	313,881	313,881	(20,117)	
Total liabilities	3,496,872	3,444,842	52,030	
Equity				
Share capital	14,969,669	5,705,879	9,263,790	The Company completed a private placement
Reserve	1,119,647	223,352	896,295	Increase due to the issuance of warrants and options granted to officers, employees and advisors in connection with the reverse takeover transaction and completion of a private placement
Deficit	(7,000,828)	(4,637,590)	(2,363,238)	Losses of the first quarter 2018
Total equity	9,088,488	1,291,641	7,796,847	
Total equity and liabilities	12,585,360	4,736,483	7,848,877	

## **CASH FLOW**

	Three-month periods ended September 30				
	2017 2016		Difference	Difference	
	\$	\$	\$	%	
Consolidated Statements of Cash Flows					
Operating activities	(750,987)	(378,866)	(372,121	) 98%	
Investing activities	(161,050)	(247,137)	86,087	-35%	
Financing activities	8,718,075	281,782	8,436,293	3 2994%	
Net change in cash	7,806,038	(344,221)	8,150,259	-2368%	

### **Operating activities**

The negative variance in operating activities cash flows during the three-month period is primarily due to an increase of the net loss for the quarter of \$2,363,238 compared to \$545,727 or 2016 offset by non-cash item which consisted mainly of the listing expenses of \$1,126,798 paid by equity.

### **Investing Activities**

Cash flows used in investing activities during the three-month periods of 2017 and 2016 are mainly related to property, plant and equipment regarding our ramp-up project to produce 25 metrics tons of graphene a year.

### **Financing activities**

Cash flows generated in financing activities during the three-month period is mainly due the completion by the Company of a brokered private placement financing of subscription receipts sold at a price of \$0.45 per subscription receipt for gross proceeds of \$9,697,082 (See Financial Highlight discussion).

### LIQUIDITY AND CAPITAL RESOURCES

The graphene business is in the development stage and as result the Company has minimal source of operating revenue from those operations and is dependent on external financing to fund its continued development program. The Company main sources of funding have been the issuance of equity securities for cash, debt, funds from the government of Quebec with respect to R&D tax credit and from the federal government with respect to R&D tax credit and the Industrial Research Assistance Program.

## FINANCING

As at November 27, 2017, the Corporation had several types of financing, consisting primarily of a credit facility and long-term debts.

Two wholly-owned subsidiaries of the Company, 9334-7474 Québec Inc. and Industries Rada (together "Group Rada"), signed a credit facility agreement with the Toronto-Dominion Bank which authorized Group Rada to a maximum operating loan of \$350,000, subject to a borrowing base calculation, which is primarily based on eligible accounts receivable and inventory balances. The credit facility has been amended on September 14, 2016 and renewed on March 30, 2017. The operating loan bears interest at Canadian prime rate plus 1.50%. The operating loan is subject to financial and non-financial covenants. As at September 30, 2017, all applicable covenants are respected, and the credit facility was undrawn.

Group Rada also signed a reducing mortgage term loan with the Toronto-Dominion Bank, bearing interest at 3.36% per annum, maturing in June 2022 and payable in monthly instalments of \$7,132 (principal and interest).

9334-7474 Québec Inc. signed also a term loan with Investissement Québec, bearing interest at Canadian prime rate plus 3.14%, payable in monthly principal installments of \$8,335 maturing in December 2026.

#### **Financial Instruments and Risk Management**

For a detailed description of the financial instruments and risk management associated with the Company and its activities, please refer to the annual consolidated financial statements of June 30, 2017. These identified financial instruments and risks are consistent through the periods.

#### **Off-Balance Sheet Arrangements**

As of the date of this MD&A, the Company did not have any off-balance sheet arrangements, except for an operating lease signed from October 1<sup>st</sup> 2015 until October 1<sup>st</sup> 2020.

#### **Outstanding Shares**

As at November 27, 2017, the Company has:

- 81,388,431 common shares issued and outstanding;
- 1,748,826 options outstanding with expiry dates ranging between January 2, 2020 and September 7, 2022 with exercise price of \$0.45. If all the options were exercised, 1,748,826 shares would be issued for proceeds of \$786,972;
- 11,605,718 warrants and broker warrants outstanding with expiry date ranging between August 2 and 29, 2019 with
  exercise price between \$0.45 and \$0.70. If all the warrants were exercised, 11,605,718 shares would be issued for
  proceeds of \$7,790,937.

## **RELATED PARTY TRANSACTIONS**

For a detailed description of all related party transactions, please refer to the Note 10 "Related party transactions" in the unaudited condensed interim financial statements for the three-month period ended September 30, 2017 and 2016.

## **RISKS AND UNCERTAINTIES**

The operations of the Company are speculative due to the high-risk nature of its business, which is the acquisition, financing, technology and manufacturing. These risk factors could materially affect the Company's future operating results and could cause actual events to differ materially from those described in forward–looking information relating to the Company.

For a detailed description of risks and uncertainties, refer to the annual consolidated financial statements of June 30, 2017.

## SUBSEQUENT EVENT

For a detailed description of all subsequent event, please refer to the Note 11 "Subsequent Event" in the unaudited condensed interim financial statements for the three-month period ended September 30, 2017 and 2016.

## **CRITICAL ACCOUNTING JUDGMENTS AND ESTIMATES**

For a detailed description of the critical accounting judgments and estimates associated with the Company and its activities, please refer to the Note 3 "Critical accounting judgments and estimates" in the audited financial statements for the years ended June 30, 2017 and 2016. The Company was not required to make significant judgments, estimates and assumptions in areas other than those mentioned in the audited financial statements for the years ended June 30, 2017 and 2016.

## FUTURE CHANGES IN ACCOUNTING POLICIES

The standards and amendments to existing standards have been published, and their adoption is mandatory for future accounting periods. Refer to the unaudited condensed interim financial statements for the three-month period ended September 30, 2017 and 2016 for the details of these standards and amendments.

## **CONTROLS AND PROCEDURES**

The information provided in this MD&A, including the financial statements, is the responsibility of management. In the preparation of these statements, estimates are sometimes necessary to make a determination of future values for certain assets or liabilities. Management believes such estimates have been based on careful judgments and have been properly reflected in the accompanying financial statements.

The Board of Directors oversees management's responsibility for financial reporting and internal control systems. This Board of directors discuss quarterly with management and annually with the independent auditors to review the scope and results of the annual audit and to review the year-to-date financial statements and related financial reporting and internal control matters before the financial statements are approved by the Board of Directors and submitted to the shareholders.

In contrast to the certificate required under National Instrument 52-109 Certification of Disclosure in Issuers' Annual and Interim Filings ("NI 52-109"), the Venture Issuer Basic Certificate does not include representations relating to the establishment and maintenance of disclosure controls and procedures ("DC&P") and internal control over financial reporting ("ICFR"), as defined in NI 52-109. In particular, the certifying officers filing this certificate are not making any representations relating to the establishment and maintenance of:

- controls and other procedures designed to provide reasonable assurance that information required to be disclosed by the Company in its annual filings, interim filings or other reports filed or submitted under securities legislation is recorded, processed, summarized and reported within the time periods specified in securities legislation; and
- a process to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with the Company's GAAP

The Company's certifying officers are responsible for ensuring that processes are in place to provide them with sufficient knowledge to support the representations they are making in this certificate. Investors should be aware that the design and implementation of such processes by those responsible for a venture issuer are subject to cost limitation. DC&P and ICFR as defined in NI 52-109 may result in additional risks to the quality, reliability, transparency and timeliness of interim and annual filings and other reports provided under securities legislation.

The Board of Directors has approved the Financial statements.