

Forward-Looking Statements

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Company Overview

Specialty chemical company founded in 2011 by CEO, Dr. Soroush Nazarpour

Manufacturer and supplier of advanced components and solutions based on proprietary graphene technology

Largest graphene producer in the world, with approximately 35%* of worldwide nameplate capacity

Global company headquartered in Montreal employing approximately 400 people

8 facilities in:

- Canada
- Switzerland
- United States

Serving blue chip customers in important markets

- Transportation: Volvo Truck, Volvo Bus, Paccar, Daimler, Caterpillar
- Renewable energy: GE
- Industrial: Itron



* IDTechEx Research, Dr. Richard Collins:

Is the Tipping Point for Graphene Commercialization Approaching?

Management



Dr. Soroush Nazarpour, Ph.D President and Chief Executive Officer

Expert in the field of graphene. Coauthor of "Graphene Technology From Laboratory to Fabrication" (published by Wiley & Co in 2016). Ph.D in Nanotechnology from the University of Barcelona, Spain.



Rocco Marinaccio
Chief Operating Officer

More than 20 years of experience in operations. Previously with Martinrea International Inc. (TSX:MRE).



Luc Veilleux, CPA, CA Chief Financial Officer

Over 20 years of executive management. Financial and operational experience in manufacturing and mining industries.

Supported by a strong Board of Directors



Our Main Product: Graphene

Pure carbon consisting of carbon atoms arranged in a few-layer honeycomb lattice

 Discovered at Manchester University in 2004 (2010 Nobel Prize) Used in thermoplastic, thermoset and molded products; also available in powder **Greatly improves** mechanical properties

Excellent barrier and weatherability to UV, harsh chemicals, water, and gases

Improves thermal and electrical conductivity

Unique electromagnetic properties

Sustainable alternative to other carbon additives

Global market size expected to grow at 39% CAGR between 2020-27 to reach nearly US\$3 billion*



GRAPHITE

EXFOLIATION



GRAPHENE

* Source: "Graphene Market Size, Share & COVID-19 Impact Analysis, By Product, By End-Use", Fortune Business Insights, August 2020



Manufacturing Footprint and Process

Eight facilities in Canada, the United States and Switzerland

New state-of-the-art graphene facility in Montreal

Natural flake graphite (>100,000 layers of carbon) exfoliated via a mechanical-liquid proprietary process

• Low cost, high volume, highly scalable

Production of very consistent and high-quality graphene in volume

• 6-10 atomic layers in thickness with 96-98% purity







Montreal Graphene Facility Ramp-Up



Capacity of 4,000 tons/year

Capable of producing different grades of GrapheneBlack™

Fully automated facility

 Managed by Programmable Logic Controllers, ensuring product consistency and highest level of quality assurance

Building expansion underway

 Increase of graphene production capacity is possible by increments of 4,000 tons/year when current output is fully committed

Potential redundancy expansion at other facilities

Bring capacity closer to OEM customers locations



Graphene as a technology platform

One material for many industries



- Transportation
- Energy Storage & Batteries
- Renewable energy
- Industrial, building, and construction
- Agriculture
- Consumer Packaging
- Paints & Coatings
- Pipes & Tubes



Graphene composites for Transportation

Technology: Sheet Molding Compound (SMC)



Compressive Strength



Light weighting



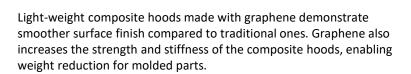
Processability



UV Resistance









Graphene coatings for Transportation

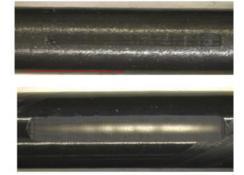
Fuel and Brake Lines













Material	Number of abrasion cycles	Improvement
Nylon/Graphene	>150,000	30X



Abrasion Resistance



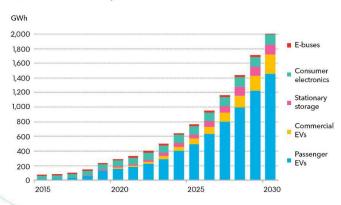
Extend Lifetime



Graphene for Lithium-ion Batteries



Annual lithium-ion battery demand



https://energycentral.com/c/ec/world-batteryproduction#:-:text=As%200f%20Dec%20201g%2C%20the,40%20million%20EV s%20b%202028.

Additive that extends lifetime

Improves energy density, charge rate, and cycle life

Favourable trends in the battery market

- · Move toward larger cylindrical cells
- Nickel rich cathode formulation
- Silicon rich anode formulation

Our graphene battery initiative

- Over five years of R&D, internally and with partners
- Secured a strong IP portfolio for multiple applications
- Add GrapheneBlack[™] to current Li-ion chemistries to improve energy capacity and charging speeds
- Applications in electric vehicles, trucks, buses and energy storage systems
- Dedicated R&D laboratory to support a pilot line for graphene-based anodes and Li-ion batteries through a joint venture called VoltaXplore Inc.¹
- Low-cost technology enables us to potentially replace spherical graphite from Li-ion battery anodes, eliminating cost bottlenecks for commercial adoption



¹ Refer to slide 14 and a press release dated April 15, 2021 for more details

Graphene composites for Renewable Energy

Technology: Pultrusion



Windmill Blades



Graphene increases the strength and reduces the weight



Graphene for Industrial and Agricultural products



Recyclability



- Flooring parts made with 100% recycled plastics
- Graphene enables the use of recycled polypropylene without any virgin plastic
- Parts are fully recyclable at the end of life



Recent Developments

July 2021: NanoXplore graduated from the TSX-V to the TSX, GRA symbol remains

June 2021: Multiyear supply and distribution agreement with Gerdau Graphene (Brazil)

- Expands graphene applications on an industrial scale
- Targets customers mainly in the concrete and construction markets
- Further enhances NanoXplore's leading position in the global graphene market

June 2021: Agreement with Techmer PM (U.S.) to supply GrapheneBlack™

- Includes a customer-based exclusivity
- Techmer to market graphene-enhanced compounds for many applications in various industries
- Leverages NanoXplore's leading-edge technology

April 2021: Creation of VoltaXplore, a strategic joint venture with Martinrea

- Battery-based initiative to service the electric transportation and grid storage markets
- Initial demonstration facility to develop and produce electric vehicle batteries enhanced with graphene
- Successful demonstration and positive customer feedback could lead to a new 10 GWh battery cell manufacturing facility in Canada
- Combines NanoXplore's position as a world leader in graphene-enhanced materials and Martinrea's expertise as a leading manufacturer of automotive and industrial parts

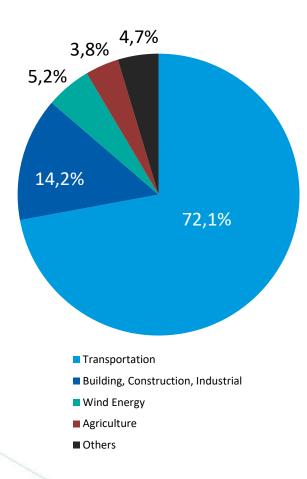
August 2021: U.S. subsidiary enters into a consent order with U.S. EPA

• NanoXplore entered into a consent order with the U.S. Environmental Protection Agency under the *Toxic Substances Control Act* (TSCA) which allows for the commercial use of its GrapheneBlack™ as an additive for thermoplastics, thermosets and rubbers, with no annual volume limitation.



Operating Results

Fiscal 2020 Sales Breakdown



REVENUE		
Periods ended March 31, 2021		
Three-month	\$18.4 M	
Nine-month	\$51.5 M	
Trailing Twelve-month	\$64.0 M	

Cash and cash equivalents of \$60.2 million as at March 31, 2021

 Reflects net proceeds of \$43.2 million from equity issued in February 2021



Analyst Coverage





Why Invest in NanoXplore?





- Largest graphene powder producer in the world (IDTechEx Research, www.idtechex.com)
- Graphene market expected to grow significantly
- Solid business relationships with large OEM customers
- Provider of sustainable solutions
- Powerful combination of experience with state-of-the-art technology and methodologies to continuously improve products
- Committed to bring the best-in-class technology and processes to customers at a lower cost without sacrificing quality
- Sound financial position



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www.nanoxplore.ca

TSX: GRA
OTCQX: NNXPF