

# Graphene 3D Lab Inc.



Graphene  
Lab Inc.

## Investor Presentation

Q1-2016

**TSX-V:GGG**  
**OTCQB: GPHBF**



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## About Graphene 3D Lab Inc.

- ⦿ Graphene 3D develops, manufactures and markets proprietary advanced functional composites
- ⦿ Enhanced sales revenues reflecting growth in multiple product lines
- ⦿ Completed its public listing in 2014
- ⦿ Recently closed acquisition of Graphene Laboratories Inc. thus enhancing and diversifying product opportunities
- ⦿ Established customer base: nearly 10,000 clients worldwide\* including; NASA, Ford Motor Co., GE., Apple, Xerox, Samsung, Stanford University and almost every Fortune 500 tech company
- ⦿ Strong and expanding IP portfolio

### Portfolio of Advanced Materials

Materials for 3D Printing

Industrial graphene-enhanced composites

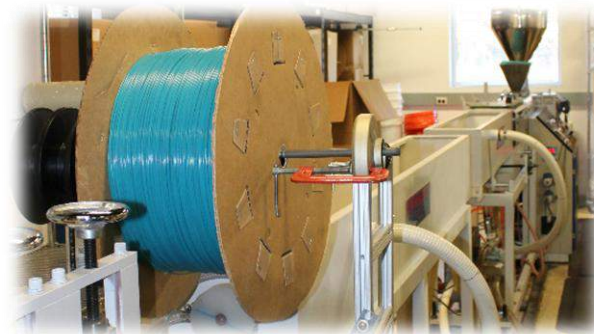
Custom and specialty R&D Advanced Materials





## Technological Leadership

- ⦿ The Company is a recognized global leader in the commercialization of graphene nanomaterials
- ⦿ Renowned scientific team specializing in enhanced graphene applications and manufacturing
- ⦿ Well-equipped R&D and production facility in Calverton, NY
- ⦿ Proprietary fully scalable technology for graphene production
- ⦿ One of the first companies to offer graphene-enhanced products to end customers





## What is Graphene?

Graphene is a revolutionary material much like plastic in the 1950s.

Graphene is a single atomic layer of carbon atoms that is a million times thinner than paper, stronger than a diamond and more conductive than copper. Its applications are varied and becoming widely recognized.

Graphene is non toxic, mechanically strong and is a superb conductor of electricity and heat.



**Nobel Prize, 2010**



# Materials for 3D Printing

3D Printing

## Key Milestones Achieved

- ⦿ Successfully released the first specialty filament and launched e-commerce website
- ⦿ Built and brought online the manufacturing facility
- ⦿ Developing the technology to create the first 3D printed battery
- ⦿ Materials portfolio include:
  - ⦿ magnetic
  - ⦿ photochromic
  - ⦿ thermochromic
  - ⦿ water soluble
- ⦿ Added multiple distributors of our filaments in North America and Asia
- ⦿ Sales are growing





## Graphene-Enhanced Composites

Many traditional manufacturers are eager to implement graphene in their products to make these products

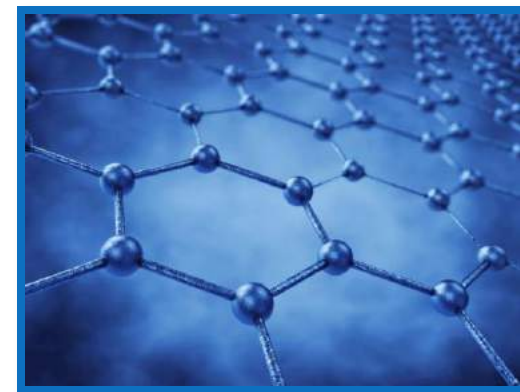
- ⦿ Lighter
- ⦿ Stronger, stiffer
- ⦿ Thinner
- ⦿ Thermally conductive
- ⦿ Electrically conductive

The Company is engaged in R&D with these manufacturers helping them to incorporate graphene in their products.

### Focus Markets

- ⦿ Sport ware/equipment
- ⦿ Advanced construction materials
- ⦿ Custom electronics
- ⦿ Aerospace
- ⦿ Automotive
- ⦿ Military

## Industrial Graphene Enhanced Materials





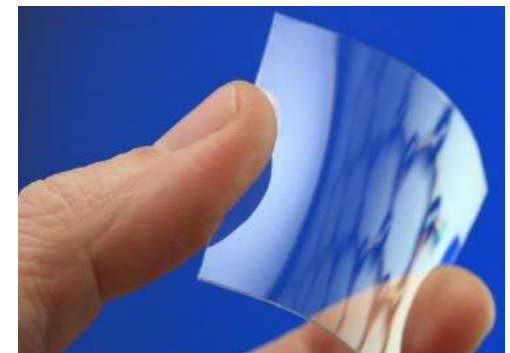


## Recent Acquisition of Graphene Laboratories, Inc.

## R&D and Custom Materials

### Added value

- ⦿ Gives immediate access to rapidly growing market
- ⦿ Adds immediate “7 figure” revenue via sales of R&D materials
- ⦿ Makes Graphene 3D a global leader in the emerging science of graphite to graphene manufacturing
- ⦿ Expanded R&D capabilities and equipment
- ⦿ Strengthened IP portfolio
- ⦿ Adds existing business in the design, manufacturing and sales of graphene and other nano-composite material enhanced polymer, in expanded markets beyond the 3D printing industry
- ⦿ Adds multiple active large scale business opportunities







# Graphite to Graphene Conversion

- Graphene 3D Lab possesses a technology of scalable manufacturing of graphene nanoplatelets
- This technology is based on splitting of graphite crystals followed by a proprietary method of extraction of graphene nanoplatelets
- The method is energy efficient, does not produce toxic waste
- Much more efficient and much less expensive method of graphene production on a global scale

## Full Control of Supply Chain



✓ - IP PROTECTION



## Putting Investors' Money to Work

- ⦿ Develop a new Graphene Management Facility— to meet expanded production and partner requirements
- ⦿ Construct and test develop our proprietary “graphite to graphene” equipment thereby producing “in house” high end materials for a growing worldwide market at less cost than current supply
- ⦿ Co-partner and develop our leading edge high end commercial 3D printer
- ⦿ Collaborate on multiple R &D manufacturing projects with large multinationals utilizing the inherent properties found in graphene
- ⦿ Add select scientific personnel
- ⦿ Expand filament sale distribution channels
- ⦿ Grow company revenue to +\$5 million by end of 2016
- ⦿ Complete 3 partner manufacturing agreements



## Corporate Details (as at January/2016)

- Issued and Outstanding: 49,410,454
- Escrowed: 14,015,515
- Warrants: 5,410,000
- Options: 2,650,000
- Fully Diluted: 57,470,454





## Management

### Co-CEO

**Daniel Stolyarov** holds a PhD in Physical Chemistry from the University of Southern California and a MS Physics/Applied Mathematics from the Moscow Institute of Physics and Technology. Dr. Stolyarov serves as Co-Chief Executive Officer of Graphene 3D Lab. He has expertise in nanomaterials and the formulation of nanocomposites, as well as experience leading the technical branch of Graphene Labs as the Chief Technology Officer. In his previous role at Energetiq, Dr. Stolyarov and his team won the 2011 Prism Award for the Laser-Driven Light Source they developed. He has also co-authored papers with Nobel and Kavli prize winners, as well as members of the National Academy of Sciences.

### Co-CEO

**Elena Polyakova** serves as Co-Chief Executive Officer at Graphene 3D Lab. Dr. Polyakova is regularly invited to leading international conferences, she is well-known by players in industry and academia the world over. The scientific community regards her as an expert in two-dimensional materials. She is regularly contacted by journalists, including those from BBC and Bloomberg, as well as market analysts who are seeking her professional advice. Dr. Polyakova has co-authored papers with Nobel and Kavli prize winners, as well as members of the National Academy of Sciences.





## Management cont.

### COO

**Mr. Ian Klassen** has 25 years of experience in public company management, public relations, government affairs and entrepreneurialism. He has extensive experience in public company administration, finance, government/legislative policy, media relationship strategies and project management. He has spent many years leading North American mineral exploration companies and sits on the Board of Directors of both private and public companies. Previous to his management activities within private and public companies, Mr. Klassen held a variety of positions within federal Canadian politics including Chief of Staff, Office of the Speaker of the Canadian House of Commons.

### CFO

**Mr. Rob Randall** serves as Chief Financial Officer at Graphene 3D Lab. Mr. Randall has extensive of Canada and Nova Scotia. experience with public company reporting and financial operations. Mr. Randall was the Corporate Controller of Etruscan Resources Inc. from 1997 to 2011, overseeing all financial operations. He also served as Controller of NovaGold Resources Inc. from 1997 to 2001 and also currently serves as the Chief Financial Officer of Stockport Exploration. Mr. Randall graduated with a Commerce Degree from St. Mary's University in Halifax and obtained his CA designation in 1987 with Coopers and Lybrand Chartered Accountants, where he was appointed as a Principal in 1995. He is a member of the Institutes of Chartered Accountants.

### Board of Directors

Jason Martin – Chairman of the Board

Daniel Stolyarov

Elena Polyakova

Ian Klassen

Rob Coltura



## Contact Information

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