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Graphene 3D Lab Secures IP Rights for Low Load Carbon-Silver Conductive Adhesive.

March 9, 2017 -- Calverton, NY -- Graphene 3D Lab Inc. (TSX-V: GGG, OTCQB: GPHBF)

("Graphene 3D") is pleased to announce that it has completed the development of an innovative carbon-silver adhesive material and filed a provisional patent application to secure the intellectual property rights. This new material is a highly electrically conductive epoxy adhesive based on the proprietary combination of carbon and silver fillers and other additives. The Company is planning to add a product based on this formulation to the G6-Epoxy™ line of adhesives.

The key unique feature of this material is the low weight load of silver needed to achieve high electrical conductivity. According to results of internal testing, the volume resistivity of the material is $0.007 \Omega \cdot \text{cm}$, and can be achieved with a silver weight load as low as 40%. Most commercially available silver-based adhesives typically require a 75-80% silver load by weight to attain conductivity.

Silver is currently priced near \$550 USD per kg and is the major factor contributing to prices of silver-based adhesives ranging from \$600 USD to \$3,000 USD per kg. The Company believes that the invented formulation that has a significantly lower silver content, while still providing similar levels of conductivity, will result in a product that will be well positioned to compete with current commercially available conductive silver-loaded epoxies.

In addition, the higher content of the epoxy polymer in the formulation of this product offers the additional competitive advantage of improved bond strength to a wide variety of substrates including glass, plastic and fabrics. Low load of fillers allows tailoring the formulation for better flexibility making this material well suited for wearables, smart textiles, sensor networks and medical devices.

The Electrically Conductive Adhesives (ECA) market was estimated to be \$1.2 Billion USD in 2015 (according to IDTechEx) and is projected to reach an estimated \$2.53 Billion USD by 2021, a CAGR of 8.48% from 2016 to 2021, according to the report by the market research firm MarketsandMarkets. ECAs are considered to be a replacement for traditional tin-lead solders and their fast growing demand is driven by the increase in the use of electronic components in various industries such as aerospace, automotive, 3D printing, consumer electronics, and medical devices.

The Company invites commercial enquiries for this product. For information related to current line of G6-Epoxy™ epoxies, please visit <https://g6-epoxy.com/>

About Graphene 3D Lab Inc.

Graphene 3D Lab, Inc. is a world leader in the development, manufacturing and marketing of proprietary composites and coatings based on graphene and other advanced materials. These diverse materials have a wide spectrum of commercial, research and military applications. The Company's wholly owned subsidiary, Graphene Laboratories Inc., currently offers over 100 graphene and related products to a client list comprised of more than 12,000 customers worldwide, including nearly every Fortune 500 tech company and major research university. Some notable clients are: NASA, Ford Motor Co., GE, Apple, Xerox, Samsung, Harvard University, IBM and Stanford University. The Company's suite of products are available online at the company's e-commerce platform Graphene Supermarket (www.graphene-supermarket.com).

The 3D printing division of the Company offers a portfolio of specialty FFF filaments. These materials can be purchased through multiple distribution networks worldwide or directly online at www.blackmagic3D.com. Graphene 3D also holds a new proprietary technology encompassing the preparation and separation of atomic layers of graphene. This technological breakthrough represents a new, energy efficient process to manufacture, sort and classify graphene nanoparticles resulting in the potential for large scale production of high grade graphene at lower costs than currently exist in today's marketplace. The Graphene 3D facility is located in Calverton, NY and is equipped with material processing and analytical equipment. The company has eight US patent applications pending for its technology. For more information on Graphene 3D Lab Inc., visit www.graphene3dlab.com.

ON BEHALF OF THE BOARD Daniel Stolyarov, President & Co-CEO

For More Information:

Commercial Inquiries:

Daniel Stolyarov
Co-Chief Executive Officer
Telephone: (631) 405-5113
Email: info@graphene3dlab.com

Investor Inquiries:

Investor Relations
Telephone (631) 405-5114
Email: investors@graphene3dlab.com

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