

Gratomic Inc.: Gratomic to Launch New Graphene Ultra Efficient Tires

16.01.2019 | [DGAP](#)

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TORONTO, ON / ACCESSWIRE / January 16, 2019 / [Gratomic Inc.](#) ("Gratomic" or the "Company") (TSX-V: GRAT) (CB81-FRANKFURT) a vertically integrated graphite to graphenes, advanced materials company is pleased to announce the development of Gratomic's new Graphene Ultra Fuel Efficient Tires (GUET) with certification and terrain testing targeted for completion in Q3, 2019.

"Purely from a demand perspective, we have been pulled into a market which represents a very large opportunity for Gratomic. Simply put, our customers want what we have; high quality graphene. Not only are Hybrid Graphene enhanced tires fuel efficient, but they can also demonstrate better handling and longer life" commented Gratomic's Chairman and Co-CEO Sheldon Inwentash. "The GUET tire market represents a very large vertical for Gratomic which the Company will be vigorously pursuing in 2019, and beyond."

Gratomic recognizes the automotive tire market is large and is expected to grow to 2.5 billion tires by 2022. Gratomic looks to penetrate and disrupt the traditional means of tire production by providing graphene enabled GUET tires. To date, the global tire market has recognized that employing graphenes within tire treads, walls and the inner linings can make tires lighter, provide better grip and reduce rolling resistance to an extent that is not possible with existing tire compounds. On average, this would require 20 to 25 grams of graphene per tire. However, for the Industry, specification consistency and scalability of supply have been limiting factors and to date have been the biggest constraints in commercializing Graphene.

Attributed to the right combination of geology at the mine and our processing partner, Gratomic strongly believes it can satisfy the supply demand of quality graphenes required for what the Company believes is the growing market demand for a new age economy tire. Gratomic is confident in its ability to deliver consistent quality and quantities of Graphenes to end users.

Gratomic has been able to achieve this through a unique collaboration agreement with its development partner Perpetuus Carbon Technologies who currently supplies substantial quantities of surface modified graphenes on a monthly basis to the tire industry through its Patented Plasma Process.

Ian Walters Director - Perpetuus Carbon Technologies Limited stated:

"Perpetuus' investigative analysis and characterization has concluded that the Graphenes derived from the Gratomic mine are highly friable, more so than any other graphite tested for purpose by the Perpetuus Labs. The liberated graphenes when functionalized have demonstrated excellent processability. Initial application in a host of end uses has demonstrated excellent suitability for a range of products. Most noteworthy are the excellent results generated when the Hybrid Graphenes are included in elastomers for tire construction. Perpetuus looks forward to working with Gratomic to launch probably the first range of Graphene enabled ultra fuel efficient tires."

Employing its dedicated facility for the patented Perpetuus plasma method Gratomic post plasma processing produces graphenes (less than 10 layers) of a high purity (CK 99.10%) derived from its Graphite Mine in Namibia.

Website:

Gratomic is pleased to advise shareholders that the Company's website has been updated. Please visit

www.gratomic.ca

About Perpetuus Carbon Technologies.

Perpetuus is the world's largest producer of plasma surface engineered graphenes formulated for specific end uses with a capacity in excess of 100's of tonnes per annum. The company has a lab to commercialization facility based at its two premises in South Wales UK. Cycle and car tires enhanced with Perpetuus graphenes are currently and simultaneously being road tested on bikes, light commercial vehicles and taxis in Asia and Europe and are used on a daily basis. Perpetuus surfaced engineered graphenes are currently being introduced into development programmes for aircraft and industrial tires.

About Gratomic Inc.

Gratomic is an advanced materials company focused on mine to market commercialization of graphite products most notably high value graphene-based components for a range of mass market products. We are collaborating with a leading European manufacturer of graphenes to use Aukam graphite to manufacture graphene products for commercialization on an industrial scale. The company is listed on the TSX Venture Exchange under the symbol GRAT.

For more information: visit the website at www.gratomic.ca or contact:

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