

ASX Announcement

7 May 2020



First Graphene Ltd and planarTECH (Holdings) Ltd collaborate on graphene enhanced Personal Protective Equipment

HIGHLIGHTS

- Supply of PureGRAPH® for production of planarTECH's protective face masks.
- planarTECH's innovative face mask utilises a graphene coating to provide anti-static and bacteria-resistant properties.
- Demand for these products is increasing rapidly as world populations seek protection from airborne infection.
- Collaboration will quickly test and implement the use of PureGRAPH® materials into anti-static coatings for other personal protective equipment (PPE).



planarTECH's 2AM brand face mask

Advanced materials company, First Graphene Limited ("FGR" or "the Company") (ASX: FGR) is pleased to advise that planarTECH (Holdings) Ltd ("planarTECH") and the Company have signed a memorandum of understanding towards developing a robust supply chain for the manufacture of innovative personal protective equipment (PPE). The initial focus will be on the production of planarTECH's bacteria-resistant protective face masks.

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ASX Symbol

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planarTECH have developed an innovative face mask which utilises a graphene coating to provide anti-static and bacteria-resistant properties to the mask. Current demand for these products is rapidly increasing as world populations seek protection from airborne infection and planarTECH need to increase their manufacturing supply chain capability to meet significant and growing demand.

FGR has a well-established and robust supply chain for the manufacture of their high performing PureGRAPH® graphene products and have an already proven successful formulation that disperses uniformly into polymer coatings.

The two companies have agreed to collaborate to rapidly test and implement the use of PureGRAPH® materials into anti-static coatings for PPE. Materials development activities are already underway, and the companies anticipate rapid progress to full scale manufacturing of the protective face mask. Further graphene enabled products in the PPE sector are expected to emerge. This collaboration does not create a legally binding agreement between either company. Following successful testing the companies will finalise the commercial arrangement for the supply of PureGRAPH®. There are no other material terms or estimate of economic impact. FGR will keep the market informed as the test work progresses.

Craig McGuckin, Managing Director for First Graphene Ltd., said, *"We have been very impressed by the speed to commercialisation that planarTECH have achieved with the graphene face masks and we are pleased to support the growth of this opportunity"*.

Ray Gibbs, Chairman for planarTECH (Holdings) Ltd., said, *"For successful growth of our diversification business strategy, planarTECH is seeking a graphene supply partner that can reliably deliver high quality consistent products. We are very aware of First Graphene's robust supply capability following on from significant trials utilising PureGRAPH® materials and we are excited about this collaboration to meet the rapid growth in demand for our new graphene enhanced face masks and future PPE products."*

About First Graphene Ltd (ASX: FGR)

First Graphene Ltd. is the leading supplier of high-performing, graphene products. The company has a robust manufacturing platform based upon captive supply of high-purity raw materials and an established 100 tonne/year graphene production capacity. Commercial applications are now being progressed in composites, elastomers, fire retardancy, construction and energy storage.

First Graphene Ltd. is publicly listed in Australia (ASX:FGR) and has a primary manufacturing base in Henderson, near Perth, WA. The company is incorporated in the UK as First Graphene (UK) Ltd. and is a Tier 1 partner at the Graphene Engineering and Innovation Centre (GEIC), Manchester, UK.

About planarTECH

planarTECH is a global leader in providing process and analytical equipment for graphene and 2D materials synthesis, as well as the integration of graphene into everyday products, such as our collaboration with Thailand-based IDEATi on a graphene-enhanced face mask.

PureGRAPH® Range of Products

PureGRAPH® graphene powders are available in tonnage volumes with lateral platelet sizes of 20µm, 10µm and 5µm. The products are high performing additives, characterised by their high quality and ease of use.

*With authority of the board, this announcement has been authorised for release, by
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Director, Chief Financial Officer and Company Secretary*

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