



2DM closes investment round with CBMM, niobium¹ global leader, to accelerate the development of new applications for its high performance graphene²

Singapore – November 21st, 2019 – [2D Materials Pte Ltd](#) announced today it has signed a contract with CBMM, the world's leading company for niobium products and technology, securing funding to accelerate the development of new applications for its high performance graphene, and to bring its technology to a commercial scale. Additionally, this investment enables CBMM to become a minority shareholder of 2DM.

Protagonist among 2D materials³, 2DM already produces graphene in its pilot plant and now will scale it up 10 times, to a commercial plant, making its products widely available to customers. Graphene is a one atom thick layer of pure carbon in hexagonal arrangement, which is one million times thinner than paper. It is the strongest material ever measured. The material is recognized for its capabilities as an energy conductor, thermal properties, strength, and lightness, among other features that position it as one of the most promising materials for the next decade. It can be presented as a thin film, or as a flake, in the form of a black powder, which is the case of 2DM's Graphene, and can be used to enhance the properties of many industrial materials such as paints & coatings, batteries, composites, polymers and lubricants.

“We are thrilled to welcome CBMM. The company brings decades of experience developing high value applications for its niobium products, a metal that can be used synergistically with our graphene in the development of new applications, such as anti-corrosion coatings and batteries for Electric Vehicles”, noted Patrick Teyssonneyre, CEO of 2DM.

“We found 2DM to be the perfect choice for us to share our expertise in materials technology and applications, market expansion and development of global customers. CBMM has an accumulated experience of more than 60 years developing technology and market for niobium products. CBMM and 2DM have complementary skills and knowledge to build a successful graphene history”, stated Ricardo Lima, Vice President of operations and technology of CBMM. “Furthermore, 2DM is also well advised by Konstantin Novoselov, Nobel prize in Physics and the first identifier of graphene, and by the National University of Singapore (NUS), a recognized center in advanced materials technologies.”

¹ Niobium is a transition metal, typically used for pipelines and in super alloys for things like jet engines and heat resistant gear.

² Graphene is a strong material used in applications like industrial coatings and paintings, batteries, electronics and more.

³ 2D” means Two Dimension, i.e. these materials are single-layered and one-directional, and their individual layers can be stacked to form 3D materials, like how sheets of graphene can be stacked in layers to form 3D graphite.



About 2D Materials Pte Ltd

2D Materials Pte. Ltd. (2DM) manufactures high performance graphene as an industrial additive to enhance the properties of many industrial materials such as paints & coatings, batteries, composites, polymers and lubricants. Its mission is to expand the frontier of materials application through the use of high performance graphene.

The company's core technology is a proprietary graphene production process developed at the Centre for Advanced 2D Materials at National University of Singapore, the first dedicated Centre towards graphene research in Asia, which was established under the leadership of Prof. Antonio Castro Neto and the scientific advice of Nobel Laureates in Physics for graphene – A. Geim and K. Novoselov.

2DM is a spin-off company from the National University of Singapore and its founders and advisors are among the foremost internationally renowned experts in the graphene and materials field.

Additional information about 2DM, a privately held company, is available at www.2dmsolutions.com

About CBMM

CBMM is the world leading supplier of niobium products and technology. Headquartered in Brazil, CBMM provides technical innovation to customers around the globe through a team of over 2,000 highly trained, dedicated professionals providing cutting-edge niobium products and technology to over 500 customers in 50 countries around the globe.

To learn more about CBMM, visit – www.cbmm.com

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