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Grafoid: Collaboration Is the Key to Graphene's Commercialization

Bilateral co-operation in the low carbon economy offers opportunities for graphene producers. In the coming years, strong bilateral relationships for the commercialization of graphene will flourish. These relationships will bring together mine-to-market industry players to propel application development to meet market demand.

The natural flake graphite market has changed dramatically in the last five years from a dig-and-sell commodity business to a value-added product business and, driven by national and international factors, the industry is being shaped by two colliding forces: climate change and the graphene revolution.

Globally, national governments are committing to stringent emission targets and implementing policies to foster and propel new material advancements. Traditional mining industries, weakened by the global commodity downturn, are searching for ways to revive their businesses, while new material enterprises, such as value-added graphite and graphene start-ups, are looking to leverage these game-changing opportunities.

The impact has been significant and long-term implications will dramatically change the critical material sectors. As more and more countries ratify the Paris Accord and mandate domestic policy, the faster industry will adopt change.

Grafoid is poised to take advantage of the change. As a graphene research, development and investment company, it has positioned itself for collaborative commercial alliances in graphene application development. Based on an investment in a patented one-step process to produce an affordable suite of graphene products, the company develops applications with joint venture partners at Grafoid's Global Technology Centre (GGTC), in Kingston, Canada. Further, it has partnered with the Canadian Government to build the world's first automated mass production graphene line and is positioned as a founding member of the 2GL Platform (www.2GLPlatform.com) of critical material companies and the GO Foundation.

No one company can do it alone. Commercialization of graphene will only successfully happen when we work together in collaboration, fitting all the necessary pieces together – the science, material and innovation – and matching it with financial resources and industry's products and ideas. This requires cooperation, education and outreach on our part.