

Black Swan Graphene Granted Canadian Patent for Groundbreaking Bulk Production Technology of 2D Materials Including Graphene

Toronto, Ontario--(Newsfile Corp. - September 23, 2025) - Black Swan Graphene Inc. (TSXV: SWAN) (OTCQX: BSWG) (FSE: R960) ("**Black Swan**" or the "**Company**") is pleased to announce the issuance of Canadian Patent No. 3,113,711, titled "*Apparatus and Method for Bulk Production of Atomically Thin 2-Dimensional Materials Including Graphene*" (the "**Patent**"). The Patent solidifies Black Swan's intellectual property leadership in the field of advanced nanomaterials and scalable graphene production technologies.

With an anticipated expiration in October 2037, the Patent, safeguards a proprietary process developed by Black Swan for the efficient, high-volume production of atomically thin materials, including graphene. It addresses one of the industry's key challenges: achieving scalable, cost-effective manufacturing of 2D materials without compromising quality.

"This patent marks another important milestone in Black Swan's strategy to scale production and drive commercialization. As global demand for advanced materials accelerates, our technology provides a distinct competitive advantage by enabling industrial-scale graphene that meets both performance and cost objectives. We remained focused on volume-driven sectors, particularly polymers and concrete. I would like to thank Paul Ladislaus, Lee Glasgow, and Ronan Mchale, the inventors of the patent, for their work and contribution," said Simon Marcotte, President and CEO of Black Swan.

The patented process allows Black Swan to deliver a low-cost structure while ensuring the consistent production of high-quality graphene, paving the way for integration into large-scale commercial applications. As part of its global IP strategy, Black Swan is committed to expanding its patent portfolio to support ongoing R&D, safeguard proprietary innovations, and create opportunities for strategic partnerships and licensing with leading manufacturers worldwide.

About Black Swan Graphene Inc.

Black Swan is focused on the large-scale production and commercialization of patented high-performance and low-cost graphene products aimed at several volume driven industrial sectors, including concrete, polymers, and others. Black Swan's graphene processing technology was developed by Thomas Swan & Co. Ltd ("**Thomas Swan**") over the last decade. Thomas Swan is a United Kingdom-based global chemicals manufacturer with a century-long track record and a reputation for being at the forefront of advanced materials and graphene innovation. Since 2024, Black Swan has launched seven commercially available Graphene Enhanced Masterbatch™ ("**GEM**") polymer products which are currently being tested by several international clients.

More information is available at: www.blackswangraphene.com.

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Black Swan Graphene Inc. on behalf of the Board of Directors

Simon Marcotte, CFA, President & Chief Executive Officer

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Forward-Looking Statements

This news release contains forward-looking statements and forward-looking information (collectively, "forward-looking statements") within the meaning of applicable Canadian legislation. Forward-looking statements are typically identified by words such as: "believes", "expects", "anticipates", "intends", "estimates", "plans", "may", "should", "would", "will", "potential", "scheduled" or variations of such words and phrases and similar expressions, which, by their nature, refer to future events or results that may, could, would, might or will occur or be taken or achieved. All statements in this news release that are not purely historical are forward-looking statements and include statements regarding beliefs, plans, expectations and orientations regarding the future including, without limitation: statements with respect to the impact of the Canadian patent on the Company and its commercial positioning. Although the Company believes that such statements are reasonable and reflect expectations of future developments and other factors which management believes to be reasonable and relevant, the Company can give no assurance that such expectations will prove to be correct. In making the forward-looking statements in this news release, the Company has applied several material assumptions, including without limitation, that market fundamentals will support the business of the Company as well as in relation to the Offering and Closing thereof. Other factors may also adversely affect the future results or performance of the Company, including general economic, market or business conditions, changes in the financial markets and in the demand for graphene and graphene products, changes in laws, regulations and policies affecting the graphene industry. The ongoing labour shortages, inflationary pressures, fluctuations in interest rates, the global financial climate and geopolitical conflicts in various regions, including Ukraine and the Middle East, are some additional factors that are affecting current economic conditions and increasing economic uncertainty, which may impact the Company's operating performance, financial position, and future prospects. Collectively, the potential impacts of this economic environment pose risks that are currently indescribable and immeasurable. No assurance can be given that any of the events anticipated by the forward-looking statements will occur or, if they do occur, what benefits the Company will obtain from them. Readers are cautioned that forward-looking statements are not guarantees of future performance or events and, accordingly, are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty of such statements. The Company does not undertake any obligation to update such forward-looking information whether because of new information, future events or otherwise, except as expressly required by applicable law.



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