



HydroGraph Launches Patented Graphene Ink

HydroGraph is Now Producing Graphene at Volume

TORONTO, July 14, 2022 -- HydroGraph Clean Power Inc. (HG.CN) (the “**Company**” or “**HydroGraph**”), a commercial manufacturer of high-quality nanomaterials and alternative-energy fuels, has launched its patented graphene ink, an entirely new and novel form of “conductive ink” that maintains the valuable qualities of graphene including strength, non-toxicity, flexibility, and optical transparency. As the name suggests, conductive ink is a material that conducts energy with the utility of an ink. This development marks a significant step toward the production of inexpensive, foldable, and wearable electronics.

“This is a significant milestone in renewable technology production. From touch screen displays, biosensors, radio frequency identification tags, electric vehicle batteries, and more, the technology’s applications are vast,” said Stuart Jara, HydroGraph chief executive officer.

With growing possibilities for printed electronics every day, the need for conductive inks like graphene ink is on the rise. HydroGraph’s highly competitive cost and mass production method for high quality graphene opens up a wealth of opportunity for the practical applications of conductive ink patterns.

“Once the ink is made, it can then be deployed in regular inkjet printers to make small-scale, flexible electronics. This puts manufacturing capabilities into the reach of many, making it far more accessible,” said Dr. Chris Sorensen, HydroGraph vice president R&D.

HydroGraph’s unique graphene ink technology with enhanced performance characteristics and fewer production barriers is covered in the “Nano-inks of Carbon Nanomaterials for Printing and Coating” patent. Samples of HydroGraph’s fractal and reactive graphene are available for testing purposes upon request. Interested parties can submit requests through info@hydrograph.com.

HydroGraph is certified by the Graphene Council and is currently producing high purity graphene with no batch-to-batch variation.

About HydroGraph

HydroGraph Clean Power Inc. was founded in 2017 to fund and commercialize green, cost-effective processes to manufacture graphene, hydrogen and other strategic materials in bulk. Publicly listed on the Canadian Securities Exchange Dec. 2, 2021, the Company acquired the exclusive license from Kansas State University to produce both graphene and hydrogen through their patented detonation process. More information about the Company and its products can be found on the HydroGraph website. www.hydrograph.com/

For company updates, please follow Hydrograph on [LinkedIn](#) and [Twitter](#).

The Canadian Securities Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of the content of this news release.

Forward-Looking Statements

This release contains certain “forward looking statements” and certain “forward-looking information” as defined under applicable Canadian securities laws. Forward-looking statements and information can generally be identified by the use of forward-looking terminology such as “may”, “will”, “expect”, “intend”, “estimate”, “upon” “anticipate”, “believe”, “continue”, “plans” or similar terminology. Forward-looking statements and information include, but are not limited to, the Company’s future products and personnel appointments; the scaling up of the Company’s Manhattan, Kansas factory to commercial capacity; the Company’s possible exploration of future development in the Manhattan region; and the Company’s future attendance at The Advanced Materials Show event.

Forward-looking statements and information are based on forecasts of future results, estimates of amounts not yet determinable and assumptions that, while believed by management to be reasonable, are inherently subject to significant business, economic and competitive uncertainties and contingencies. Forward-looking statements and information are subject to various known and unknown risks and uncertainties, many of which are beyond the ability of HydroGraph to control or predict, that may cause HydroGraph’s actual results, performance or achievements to be materially different from those expressed or implied thereby, and are developed based on assumptions about such risks, uncertainties and other factors set out herein, including but not limited to: HydroGraph’s ability to implement its business strategies; risks associated with general economic conditions; adverse industry events; stakeholder engagement; marketing and transportation costs; loss of markets; volatility of commodity prices; inability to access sufficient capital from internal and external sources, and/or inability to access sufficient capital on favourable terms; industry and government regulation; changes in legislation, income tax and

regulatory matters; competition; currency and interest rate fluctuations; and other risks. HydroGraph does not undertake any obligation to update forward-looking information except as required by applicable law. Such forward-looking information represents management's best judgment based on information currently available. No forward-looking statement can be guaranteed, and actual future results may vary materially. Accordingly, readers are advised not to place undue reliance on forward-looking statements.

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