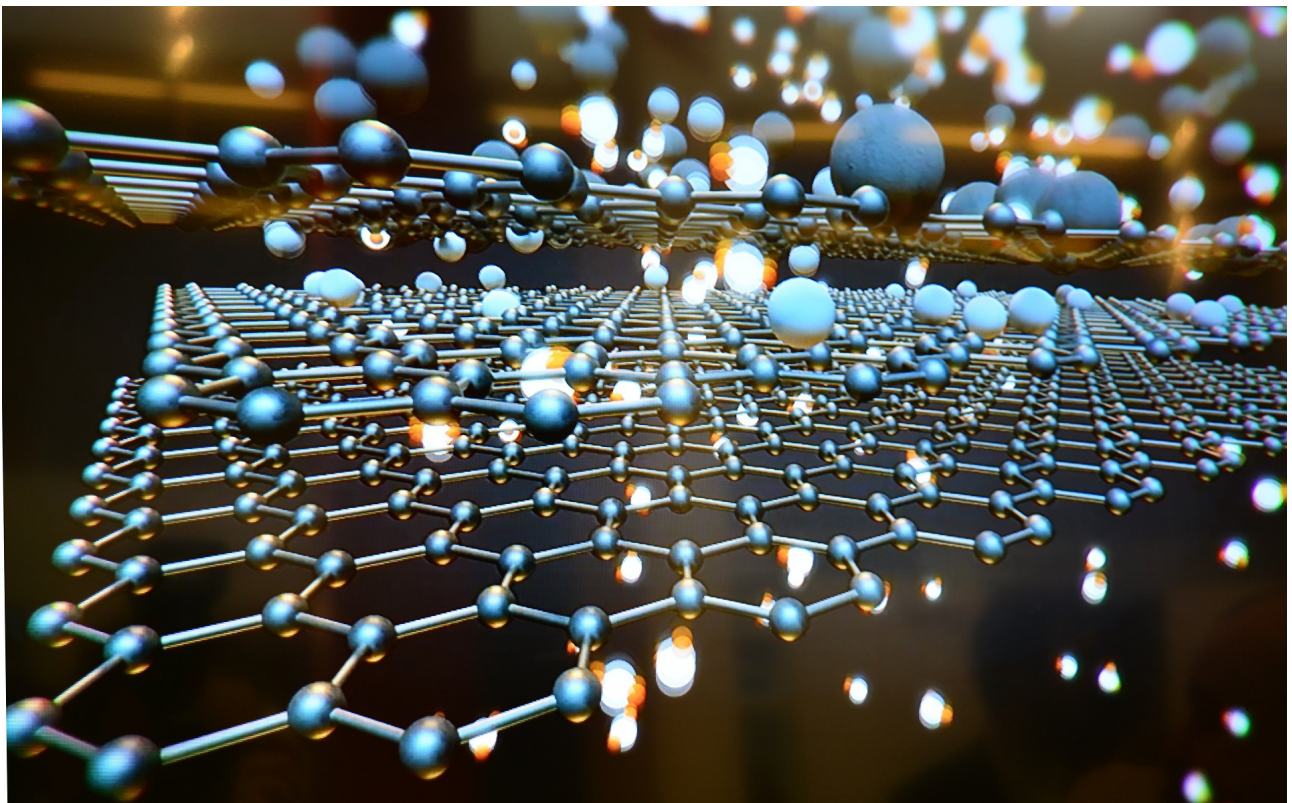


The Wonder Material of the 21st Century That's Disrupting Several Major Industries

PressReach

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When most of us think of industrial materials, we typically think of steel, aluminum and concrete. But, there's an emerging high-tech material that's so revolutionary it recently earned a Nobel Prize.

Graphene has 200 times the strength of steel. It is 10X more conductive than copper and has 1,000X the current capacity of copper. It possesses a plethora of other distinct and/or superior chemical and metallurgical properties that provide enormous industrial benefits - and commercial opportunities.

Graphene has a wide range of applications in industrial products and materials, including lubricants, resins, composites, polymers, coatings, batteries, concrete, aerospace,

automotive, biomedical and many more..

Some of the commercial applications where graphene could disrupt markets include automobiles, batteries, solar panels, night-vision lenses, bullet-resistant armour, crop monitoring, quantum computing, drug delivery, water filtration, energy storage, and sports equipment.

When it comes to improving and advancing their own products, the world's largest companies from the world's largest industries, like Samsung, Intel and Toyota, are looking to graphene for the future.

In 2019, the **global graphene market** was worth \$90 million and is expected to reach \$2.5 billion by 2028, with a CAGR of 19.5% from 2021 to 2028.

The big picture for graphene as a future hi-tech material that looks very promising.

Graphene does not have a futures market. Currently, only a few companies (both public and private) can be considered legitimate commercial producers of graphene. Only four commercial graphene producers have been certified by the Graphene Council.

There is also the problem of producing high quality graphene at commercial scale, that is cost effective, and has a low environmental footprint. But one company is looking to change that.

Producing Some of the World's Purest Graphene

While many companies are working on graphene production methods, the truth is that not all graphene is of the same quality. And most companies are producing fine graphite, not graphene.

HydroGraph Clean Power (CSE:HG) (OTC:HGCPF) is a fast-growing junior technology company that is still flying under the radar in both of the major technology sectors it's transforming.

HydroGraph is one of only four globally verified graphene producers, and the only one in the Americas.

Its patented Hyperion System generates 99.8% pure graphene with the most negligible environmental impact, making it more effective than graphene derived from mining graphite.

The company's technological breakthrough in producing graphene uses no graphite as an input, creating graphene "out of thin air," using only readily available acetylene and oxygen.

HydroGraph is currently expanding its graphene production facility in Manhattan, Kansas. In Q1 2023, the company is ramping up production of its full-scale commercial

size graphene production cell. This would make them one of the largest producers of pure graphene in the world.

In **HydroGraph's** recent CEO Letter to Shareholders they point out that each patented Hyperion System production cell will have a footprint less than 3 meters by 3 meters. This modularity provides the option to stack and/or line up multiple units close to or at the customer site. A first in the market.

Each system will have the capacity to produce over 10 tonnes per year; positioning them as one of the world's highest output graphene producers and will generate about \$1 million in profit with capital cost to construct less than 5% of one year's full sales of graphene.

In that same open [letter to shareholders](#), the company highlighted 2022 milestones and provided its 2023 growth goals.

In less than a year, the company has appointed a new management team to shift the company's focus from R&D to commercialization and closed an oversubscribed capital raise of C\$4.2 million with the management team contributing 16% of the total.

HydroGraph also completed its production and R&D facility in the past year ahead of schedule. Commercial-scale production is nearing completion and will begin in early 2023.

In 2022, the company shipped samples and signed nearly a dozen NDAs for product testing with customers and potential partners.

As part of **HydroGraph's** commercialization strategy, the company will meet ambitious goals in three core areas in 2023. Its primary expansion areas are production scaling, application development, and sales growth.

For a full report on **HydroGraph Clean Power (CSE:HG) (OTC:HGCPF)** [click here](#), and to download the investor deck please [visit this link](#).

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