

Disclaimer

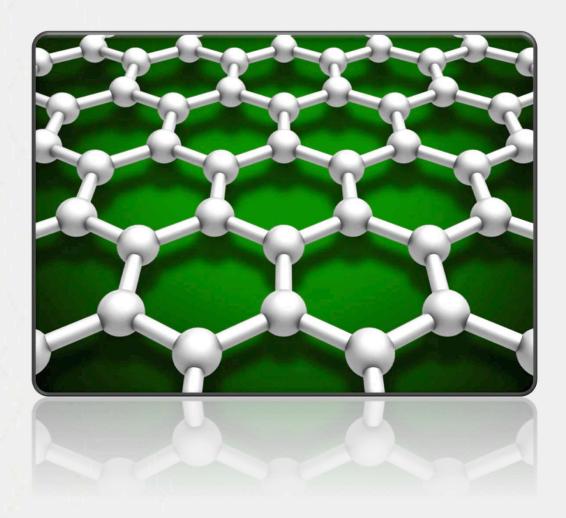
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Graphene is the revolutionary miracle material that will forever change the world.

Grafoid has established itself as a global leader in graphene innovation.





What is Graphene?

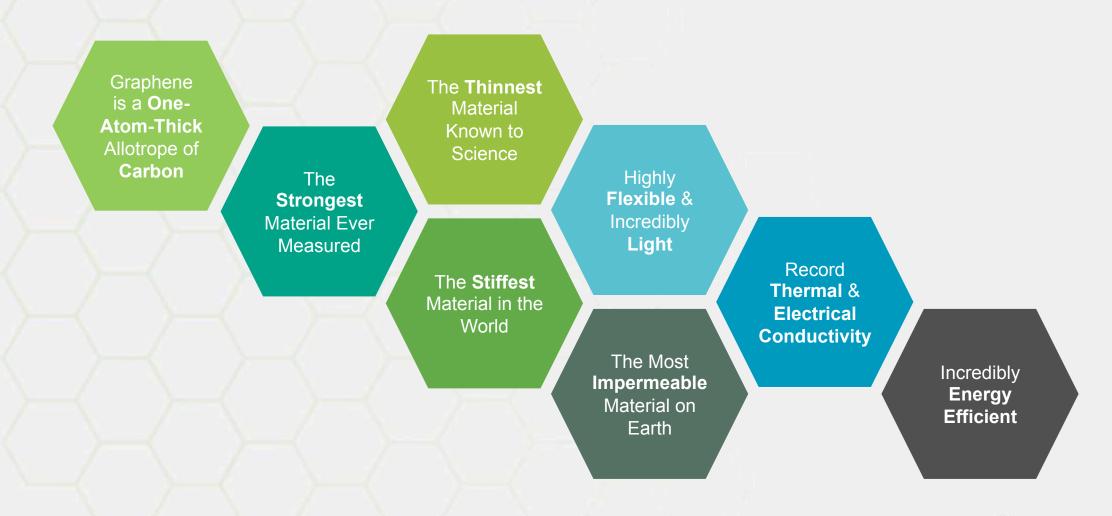


What is Graphene?

- A two-dimensional nanomaterial
- Discovered by physicists Sir Andre Geim and Sir Konstantin Novoselov
- The Nobel Prize was awarded for ground-breaking experiments in 2010
- Graphene holds the potential to bring about a new era in materials
- The addition of graphene achieves a number of enhanced properties
- The total industry size impact exceeds \$100 billion
- The market for graphene remains immeasurable
- Graphene will change the way we work, live and play



Graphene's Revolutionary Material Properties





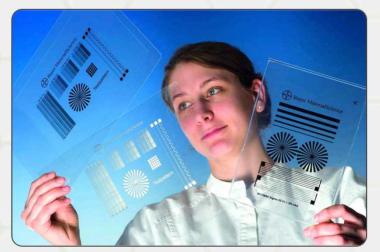
Graphene Applications



"The properties of graphene are truly amazing, and the potential applications extend across <u>every</u> industrial sector."



Graphene Applications







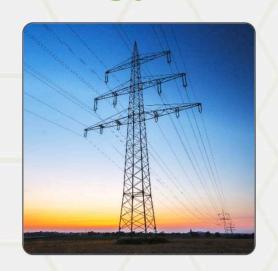








Energy Storage Applications















Graphene Applications

- Plastics and Polymers
- 3D Printing
- Coatings
- Energy
- Computers and Electronics
- Water Supply
- Communications
- Construction and Industry
- Coatings and Lubricants

- Automotive
- Aerospace
- Marine
- Chemicals
- Manufacturing
- Safety and Environmental
- Military and Defense
- Food Production
- Medical



Graphene is a potentially disruptive technology to <u>all</u> of the aforementioned industries and applications.



"The greatest challenge in commercializing graphene is how to produce high quality material, on a large scale at a low cost – and in a consistent, reproducible manner."



The key to successfully commercializing graphene is based on 3 primary factors:

Having unlimited access to a secure source of high-grade, high-quality graphite

Being able to produce pristine graphene on an economically scalable basis

Partnering with the right players in the development of the right applications



Grafoid excels in all three areas, overcoming the barriers to graphene commercialization.



Grafoid – A Complete Solutions Graphene Company



"The key vendors dominating this [graphene] market space are BASF, Grafoid Inc, IBM Corp, and Samsung Electronics Co."

Global Graphene Markets 2012-2016
 Infiniti Research Limited, October 2013



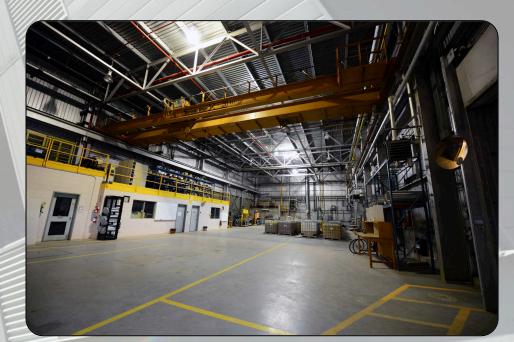
Grafoid

- Grafoid is a graphene research, development and investment company
- Has established itself as a global leader in graphene innovation
- Grafoid's process means low cost, high-purity graphene
- Grafoid is the global platform to deliver mine-to-market products
- Grafoid's patented MesoGraf™ now sets the global standard for graphene
- MesoGraf's[™] performance is peerless
- Grafoid enables its partners to develop applications and markets
- Grafoid is unique in that it provides expertise, product and process



Grafoid Global Technology Centre

- Former ALCAN aluminum research facility, based in Kingston, Ontario
- World-class 220,000-square-foot, state-of-the-art technology R&D center
- First fully operational MesoGraf™ graphene production facility in North America
- Host to some of Grafoid's application development JV partners
- Holds the requisite engineering expertise to advance Grafoid's scientific developments to the commercialization stages for our MesoGraf™-based materials, products and novel applications



What's Unique About Grafoid?





How We Compare

Sells Graphene Solutions

Game-changing, one-step process to produce economically scalable graphene

A diverse company that doesn't depend on the success of one application

Partners with industry leaders worldwide to advance joint applications





How We Compare

Able to generate revenue from every market sector

MesoGraf™ – The Global Standard for Graphene

Environmentally friendly and sustainable



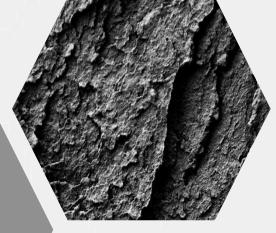
Grafoid brings world-leading expertise in graphene, resolves commercial scalability issues, tailors graphene for unique applications, and provides solutions for achieving success.



The Grafoid Advantage



Graphene is a very difficult product to work with Most proclaimed manufacturers sell 'graphene' that is not graphene



Expanded flake materials cannot be functionalized



Grafoid's Operations





Grafoid is a technology innovation company.

We are unique.



MesoGrafTM – The Global Standard for Graphene







MesoGrafTM

MesoGraf™ is the first graphene to be trademarked in the world (May 2013)

MesoGraf's 5 Core Attributes





Worldwide Graphene Market

Research Investment

- Billions are being invested worldwide on graphene R&D
- Funding is critical for graphene's commercial success
- Geopolitically there's a strategic race to commercialize graphene











Over 200 major corporations are currently funding graphene research



U.S. & Canadian Government Involvement

- Both governments recognize the long-term economic imperative to support and foster graphene R&D
- Federal grants are available and Grafoid and its JV partners are successfully pursuing all eligible avenues for funding and partnering initiatives; significant formal announcements forthcoming
- Grafoid's joint venture with Rutgers University has received \$1.8m from the U.S. Office of Naval Research









Worldwide Graphene Market

Revenue Forecasts

- First commercially significant sales of graphene products before 2017
- The graphene market is expected to expand dramatically after 2017
- 60% CAGR (2015 2020)
- There are several known areas of growth
- Does not account for new frontier applications
- Potential is contingent on the affordability of graphene



The MesoGrafTM Platform



The MesoGraf™ Global Platform &

- Grafoid is currently the world's largest producer of graphene
- Invested in the development of a proprietary process
- ✓ Lead to bulk production of MesoGraf™
- Demonstrated that the science works
- Launched a unique global platform















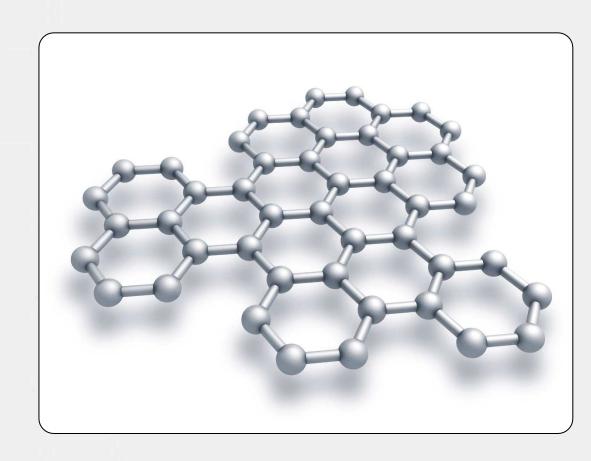


The Grafoid Global Platform



The Grafoid Global Platform

- Grafoid has entered into a number of high-profile development relationships
- Establishing JV relationships for the development of next-gen products
- 15 Joint Venture Partnerships underway (5 announced partnerships)
- Acquiring established businesses operating in key industries where
 MesoGraf™ can provide a competitive advantage





Joint Venture Wholly Owned Subsidiaries Partnerships BGRAFOID **In-discussion Strategic** Academic

In-discussion Relationships

Acquisitions

Academic Partnerships GRAFOID

Partnerships













Subsidiaries









Academic Partnerships & Affiliations























Where is Grafoid Headed?

2014 is expected to be a breakout year in the graphene application development marketplace and Grafoid intends to:

- Assume a leading position in the global graphene industry
- Grow existing and attract new significant partnerships
- Further strategic corporate acquisitions
- Brand Grafoid as a global leader
- Promote Grafoid as the purest way to invest in the Graphene Revolution



Near-Term Timetable



MesoGraf™ Graphene Production



Further Relationships



MesoGraf™ Application Development



Summary



MesoGraf™ is the global standard for graphene.

Grafoid is a complete solutions graphene company.



Summary

- Grafoid brings expertise in graphene and provides solutions for success
- A standalone in the graphene world
- Proprietary technique to produce high-energy density graphene
- Trademarked suite of graphene products in MesoGraf™
- Significant first-mover competitive advantage
- Security of supply; Grafoid controls the supply chain
- Global network of sophisticated academic and commercial relationships
- Grafoid raised \$10m in private placement funding in U.S. and Canada (2013)
- 2014 private placement funding underway in U.S. and Canada



Grafoid is the purest way to invest in graphene.



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