



**GRAFOID  
GLOBAL  
TECHNOLOGY  
CENTRE**

# LEADING THE GRAPHENE REVOLUTION

**"The city of Kingston is perhaps one of the most desirable, business-friendly and beautiful places in Canada to settle our staff and their families. As a green technology development company, with an environmentally sustainable agenda, it is the perfect fit for Grafoid."**

**Gary Economo**

*Chief Executive Officer and  
Founding Partner  
Grafoid Inc.*



## GRAFOID GLOBAL TECHNOLOGY CENTRE

The Grafoid Global Technology Centre (GGTC) — a world-renowned 220,000-square-foot research and development facility (formerly Alcan's global R&D headquarters) in Kingston, Ontario — hosts Grafoid's graphene production facilities, research, development and testing laboratories, joint venture partners and subsidiaries. A global innovation hub, the GGTC is also home to Innovation Park at Queen's University, domestic and international cutting-edge technology development companies, and civic institutions.

The Grafoid Global Technology Centre is where business and commerce merge with graphene science and technology to transform new ideas to commercialized materials and products — from concept, through development, to engineering, to prototype testing and ultimately, to production.

## GRAFOID INC.

Incorporated in Ottawa in September 2011, Grafoid is a graphene research, development and investment company engaged in establishing graphene patent joint ventures globally, in the areas of renewable energy, structural materials, coatings, thermal technologies, and a number of commercially confidential projects. Grafoid strives to be a world leader in graphene's commercialization.

"The Grafoid Global Technology Centre will become a hub, unique in the world, for our joint venture industrial and academic partners, and for industries to develop, engineer and adapt graphene and other advanced technologies into their production portfolios," said Chief Executive Officer, Gary Economo.



**Kingston, Ontario is the new home of Canada's global leader in graphene technology and advanced materials innovation, Grafoid Inc.**

## **WHY KINGSTON?**

**Grafoid's management chose Kingston for a variety of reasons: location, its collective green technology ambitions, supporting infrastructure, its potential for manufacturing expansion, and as a future global graphene centre of excellence with standards certification capabilities.**



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## **SUSTAINABLE DEVELOPMENT TECHNOLOGY CANADA (SDTC)**

In May 2013, Grafoid announced its plans for the mass production of Mesograft<sup>™</sup>, an economically scalable graphene for both industrial and commercial applications. On February 20, 2015, the Government of Canada, through Sustainable Development Technology Canada, contributed \$8.1 million towards an automated Mesograft<sup>™</sup> production system to maintain consistent quality and to test pre-commercial graphene products developed on an environmentally sustainable basis, directly from graphite ore.

## **MESOGRAFT<sup>™</sup> — REDEFINING GRAPHENE**

Mesograft<sup>™</sup> production begins with a unique, one-step, non-destructive and environmentally sustainable process that extracts defect-free, atom-thin graphene sheets directly from natural graphite ore. The world's first trademarked graphene, Grafoid's Mesograft<sup>™</sup> is a touchstone for graphene commercial application development. Traditional methods of producing graphene are multi-stage processes, chemically harsh and costly. The Mesograft<sup>™</sup> production process is not. Grafoid believes Mesograft<sup>™</sup> is a 'game-changer.' Why? Because Mesograft<sup>™</sup> may afford every company the opportunity to utilize low-cost, high-purity graphene in all of their products.

## **INNOVATION PARK AT QUEEN'S UNIVERSITY**

Innovation Park is a community of innovators and specialists where academia, industry, government, and not-for-profits work together to cultivate ideas, identify and develop important technological discoveries, and propel innovations into the marketplace. In addition to collaboration among academic, industrial and government partners, Innovation Park affords Grafoid access to leading-edge research and intellectual resources, highly skilled personnel, on-site expertise, high-quality infrastructure, specialized equipment and services, federal and provincial funding programs, capitalization, commercialization and market development resources, and much more.

