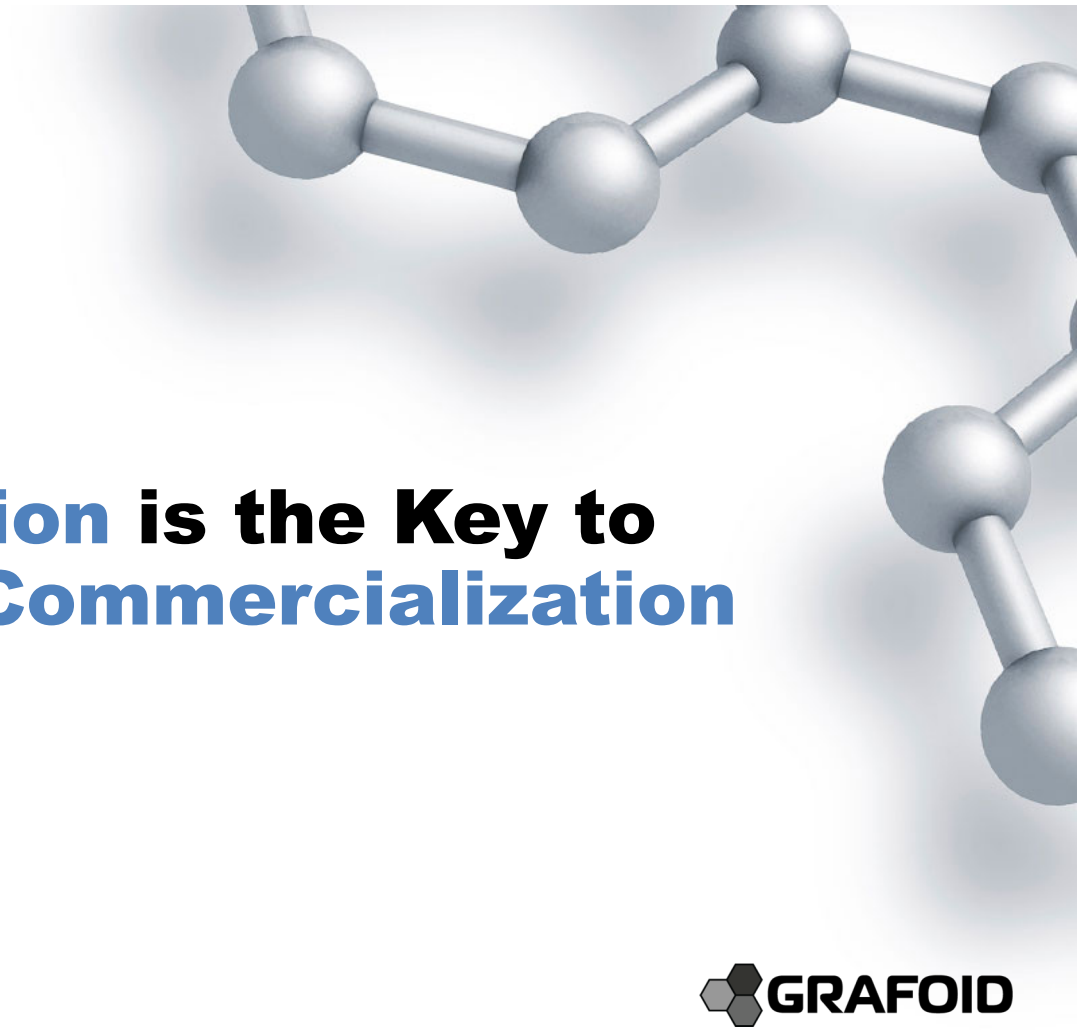

GRAFOID
A Complete Solutions Graphene Company



Collaboration is the Key to Graphene's Commercialization

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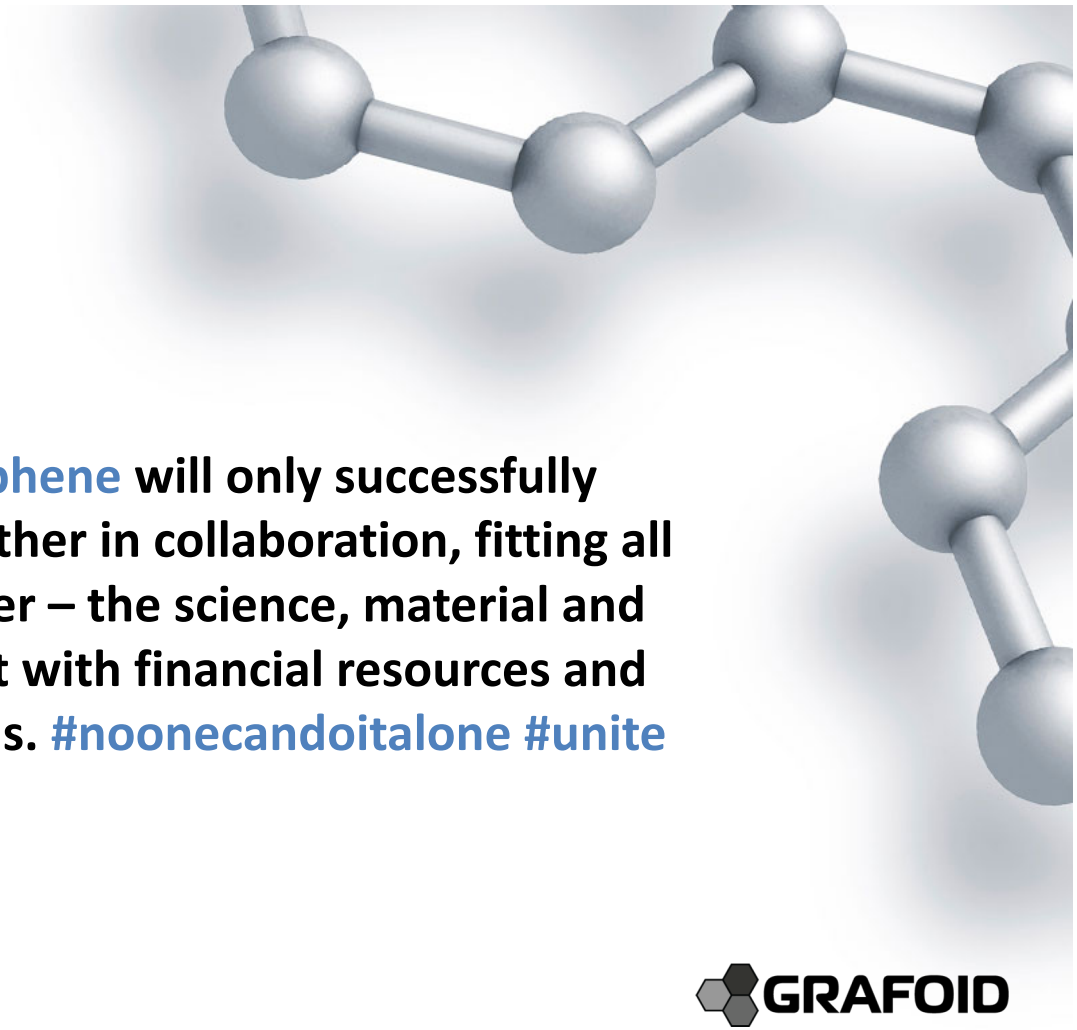

#Commercialization of #graphene will only successfully happen when we work together in collaboration, fitting all the necessary pieces together – the science, material and innovation – and matching it with financial resources and industry's products and ideas. #noonecandoitalone #unite

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Next Five Years

- **Importance of ‘critical materials’ will increase**
- **Importance of supply will be paramount – scarcity and security**
- **Commercialization is a global race**
- **Scale and reach will matter**
- **Billions in play**

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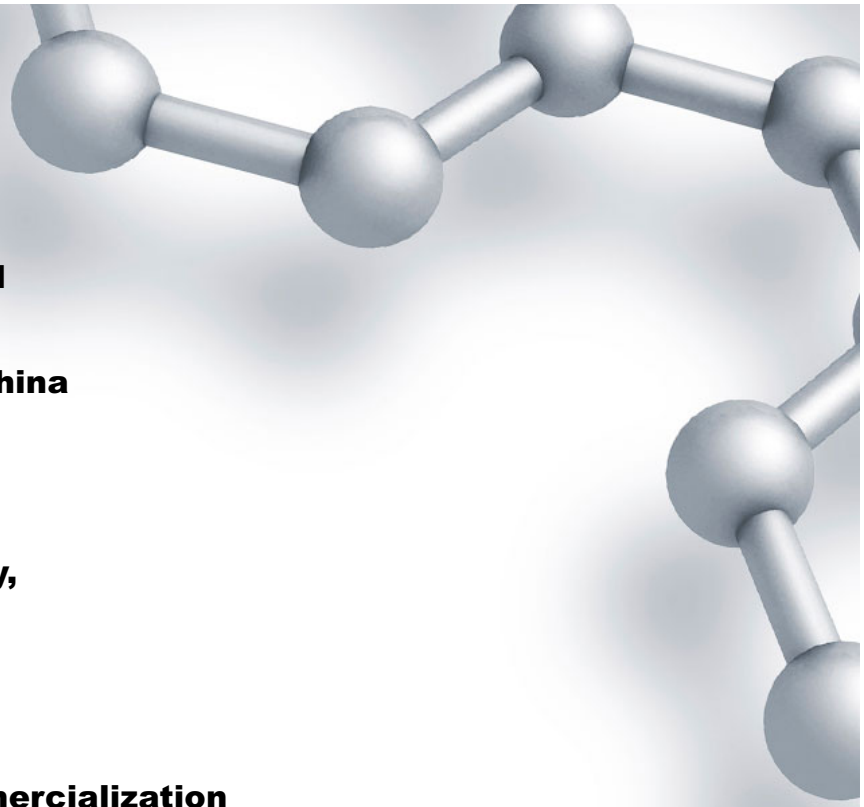
Grafoid - The Company

- **Graphene R&D, application developer and technology licensing company**
- **Global company with a strong focus on China**
- **Patented 1-step process for producing high-quality affordable graphene**
- **Develop graphene apps in 4 areas: energy, composites, coatings, membranes**
- **Look for strategic corporate partners to develop applications**
- **Transitioning from an R&D focus to commercialization**
- **Hub is *Grafoid's Global Technology Centre* – Canada**



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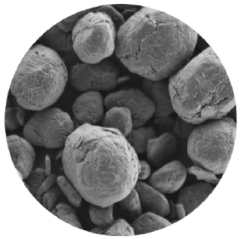
GRAFOID GLOBAL TECHNOLOGY CENTRE

Grafoid Global Technology Centre

- **Former ALCAN aluminum research facility, based in Kingston, Ontario. A 20,000 m² state-of-the-art technology R&D center.**
- **First fully-operational MesoGraf™ graphene production facility in North America.**
- **Holds the engineering expertise to advance Grafoid's scientific developments to the commercialization stages for MesoGraf™-based materials, products and applications.**

FOCUS GRAPHITE

An Advanced Technology Graphite Source
www.**focusgraphite**.com
TSX-V:FMS



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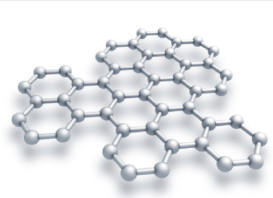
www.**grafoid**.com



STRIA LITHIUM

A Lithium Technologies Innovator and Mining Developer
www.**strialithium**.com
TSX-V:SRA

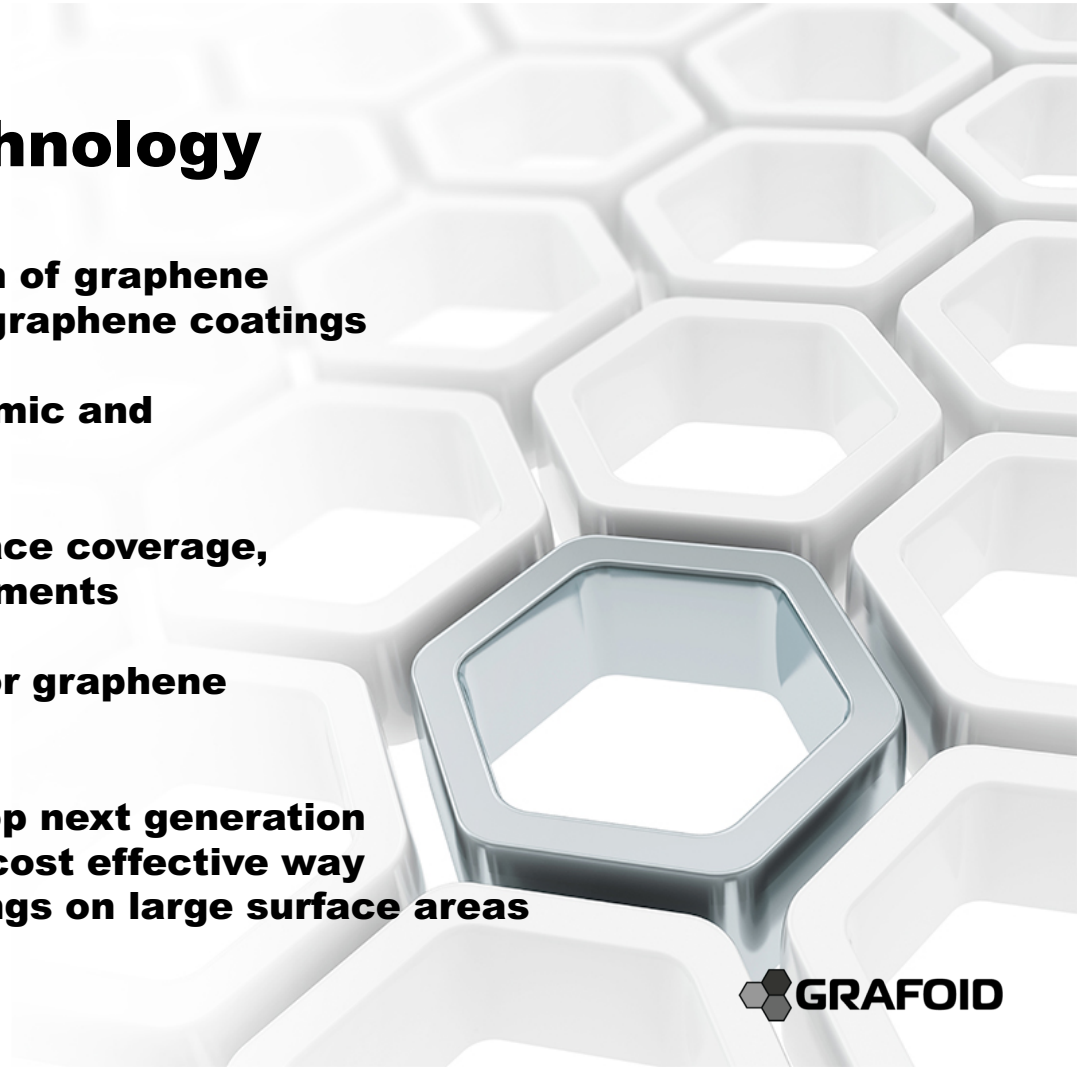
braille BATTERY

A Leading Supplier of NextGen Battery Technologies
www.**braillebattery**.com

GRAFENE
SURFACE ENGINEERING WITH GRAPHENE

Technology

- **Novel technology for deposition of graphene and chemically functionalized graphene coatings**
- **For metal, glass, polymer, ceramic and other substrate applications**
- **Ability to control levels of surface coverage, thickness, etc. to meet requirements**
- **Overcomes barriers to entry for graphene coating technology**
- **For industries looking to develop next generation materials and products with a cost effective way of laying down graphene coatings on large surface areas**



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- **Grafoid's GPURE graphene membranes form a group of novel disruptive design and fabrication technologies intended to serve as high performing alternatives to conventional industrial polymer and silicon membrane materials.**
- **Our GPURE graphene-polymer membrane technologies open the door for the global industry to consider the advantages of a low-cost, high performing option to conventional polymer membrane chemistries.**

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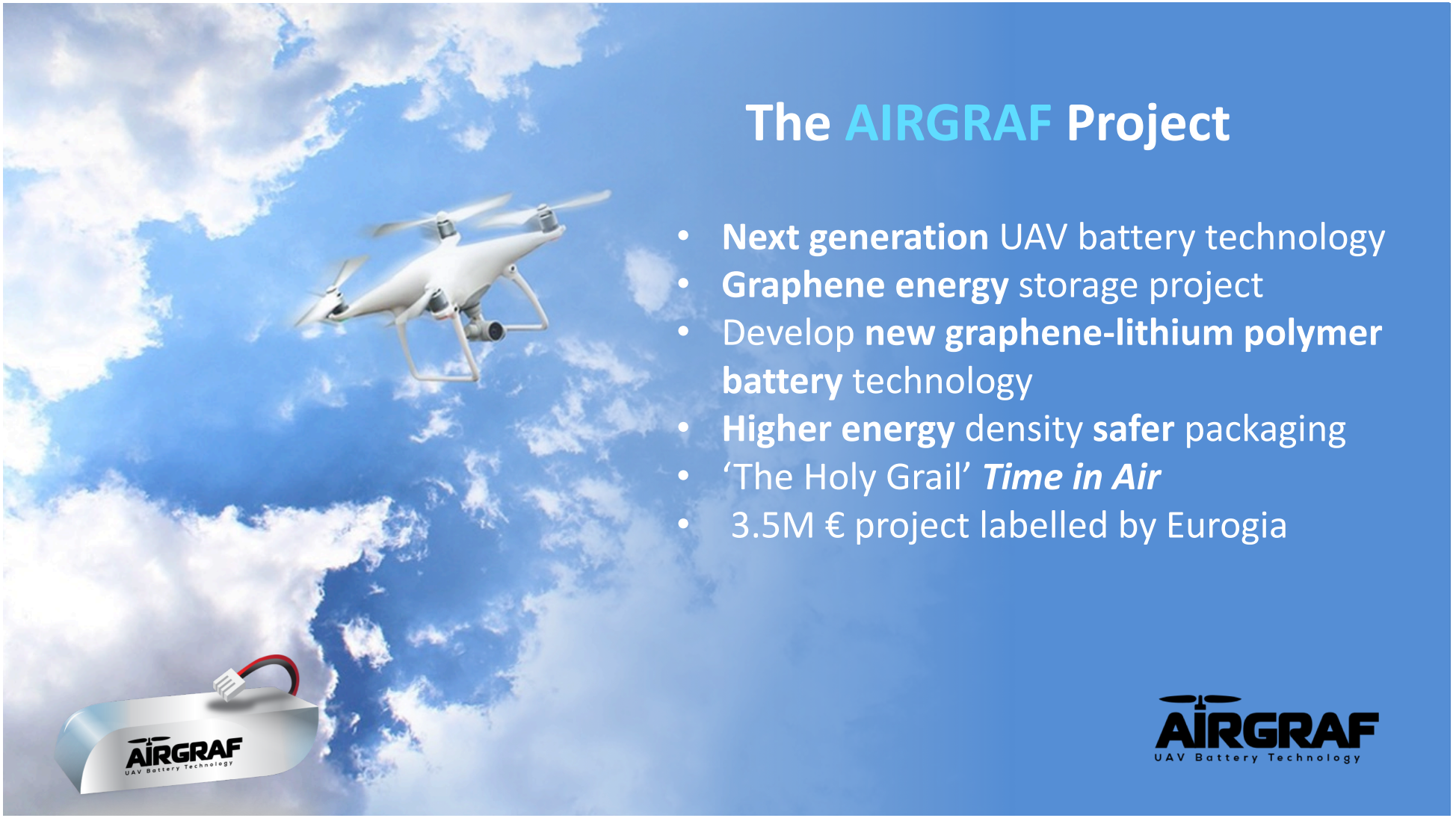
EUROGIA2020 Project
AIRGRAF
UAV Battery Technology



The AIRGRAF Project

- **Next generation** UAV battery technology
- **Graphene energy** storage project
- Develop **new graphene-lithium polymer battery** technology
- **Higher energy** density **safer** packaging
- 'The Holy Grail' ***Time in Air***
- 3.5M € project labelled by Eurogia

AIRGRAF
UAV Battery Technology

Consortium

- **7 enties, 3 countries**
  - *Canada -* GRAFOID braille BATTERY
  - *Turkey –* Başkent Neeistek sine
  - *Spain –* ICN2 Institut Català de Nanociència i Nanotecnologia EXCELEN SEVERO OCHOA EARTHDAS A GRAPHENE COMPANY
- **Partner exprtise**
  - **High-purity graphene** production and characterization
  - Graphene derivative **coatings**
  - **Graphene composite case** design
  - **Graphene battery materia**l development
  - Battery **cell/pack design** and **management systems**
  - **UAV prototype** development and operational testing

Key Market Applications

Agriculture

Energy

Public safety

Transport

Mining/
Construction

Telecoms

Delivery/
E-commerce

Economic Impact / Commercial Potential

- Government and private sector forecasts see *significant growth*
- Li-ion technology component market for UAVs is projected to be *$2B in 2020*
- *Commercialization* opportunity exists for consortium members
- *Demonstration of collaboration* in the graphene sector


THANK YOU
CHESTER BURTT
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