

## THE LITHIUM-ION OPPORTUNITY

Graphite is the largest component of a lithium-ion battery

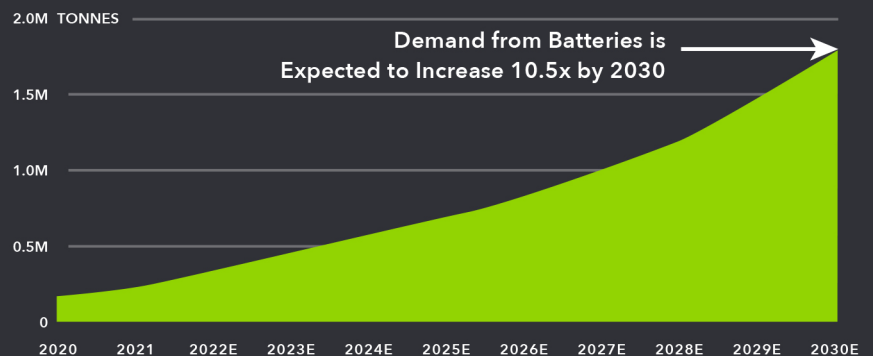
**Northern Graphite** is a Canadian, TSX Venture Exchange listed company that is focused on becoming a world leader in producing natural graphite and upgrading it into high value products critical to the green economy, including anode material for lithium-ion batteries/EVs, fuel cells and graphene, as well as advanced industrial technologies.

To speed up such development and to leverage the most advanced technologies, **Northern Graphite** is partnering with leading technology companies with the goal of building North America's largest battery anode material plant.

## RISING DEMAND FOR GRAPHITE

Graphite is the largest component of Lithium-ion batteries.

### GRAPHITE DEMAND FROM LITHIUM-ION BATTERIES 2020-2030E



Data - BloombergNEF

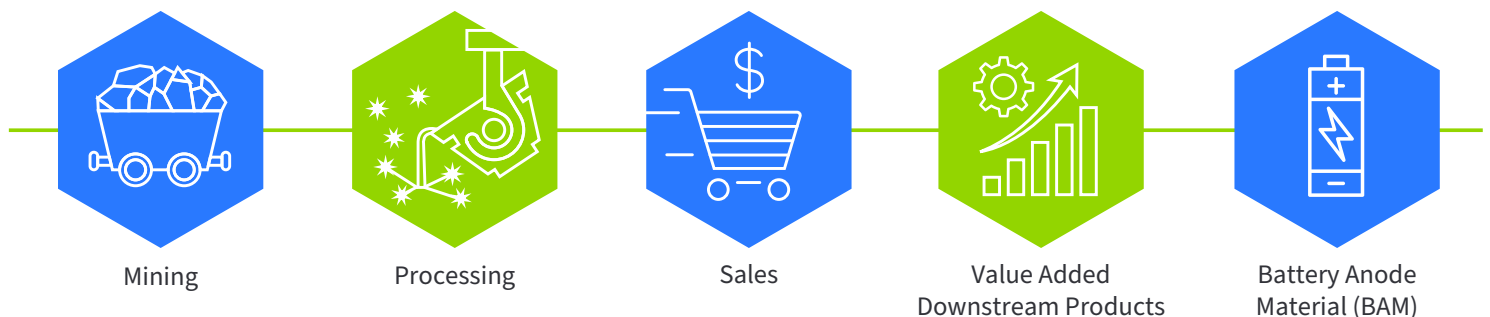
## GRAPHITE, A CRITICAL MATERIAL

Graphite's demand is growing rapidly due to its critical role in electric vehicles (EVs), energy storage technologies, and fuel cells.

Currently, China produces 70% to 80% of the world's graphite and 100% of the natural graphite used in LiBs. Because of this dependence on China, as well as the importance of graphite to the economy, both the US and EU have declared graphite a critical mineral.

## NORTHERN GRAPHITE'S MINE TO MARKET STRATEGY

Integrate downstream to manufacture carbon-based materials specifically designed for use in energy applications such as lithium-ion batteries (LiBs) and fuel cells.



Northern Graphite is the only significant graphite producer in North America.



All the Company's deposits have battery quality graphite and are located close to infrastructure in politically stable countries.

## NORTHERN GRAPHITE'S DEVELOPMENT PLANS

With its 2022 acquisition of the natural graphite division of Imerys, Northern Graphite is set to become the world's 3rd largest non-Chinese graphite producer. The Company's strategy is to expand production at its existing mine, bring a second mine on stream next year and advance two large scale projects towards development while also developing down-stream capacity to produce anode material for use in EVs and LiBs in North America and Europe.

2023

**1 LAC DES ILES (LDI)** – Quebec, Canada – Currently operating at 15,000 tpy based on existing reserves. Intent to increase plant capacity to 25,000 tpy with new 2.4Mt of resource just announced. Mousseau resource updated in 2023.

2025

**2 OKANJANDE** – Namibia – Scheduled to restart operations in early 2025 at 31,000 tpy. Planning PEA to evaluate potential for large-scale expansion.

2026

**3 BISSETT CREEK** – Ontario, Canada – PEA for 44,000 tpy operation planned for 2026.

**4 BAIE-COMEAU** – Quebec, Canada – Planning to build what would be North America's largest Battery Anode Material Plant in Baie-Comeau, Quebec. When it comes online in 2026, the plant will have one of the lowest CO2 footprints in the industry.

Investment opportunity to participate in the green energy revolution from mine to market

### RISK

Market not as Strong as Expected

### MITIGATION

Studies Conclude Increasing Demand for Graphite

### RISK

Failure to Qualify our Anode Material with Clients

### MITIGATION

Partnering with Key Technology Leaders

### RISK

Failure to Raise Needed Capital

### MITIGATION

Support Available from Numerous Government Programs



LAC DES ILES (LDI)  
QUEBEC, CANADA



OKANJANDE  
NAMIBIA



BISSETT CREEK  
ONTARIO, CANADA

NORTHERN GRAPHITE is committed to delivering high quality natural graphite in a secure, sustainable and transparent manner, and to supplying high value products critical to the green economy.

**NORTHERN**  
GRAPHITE

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