




June 2023



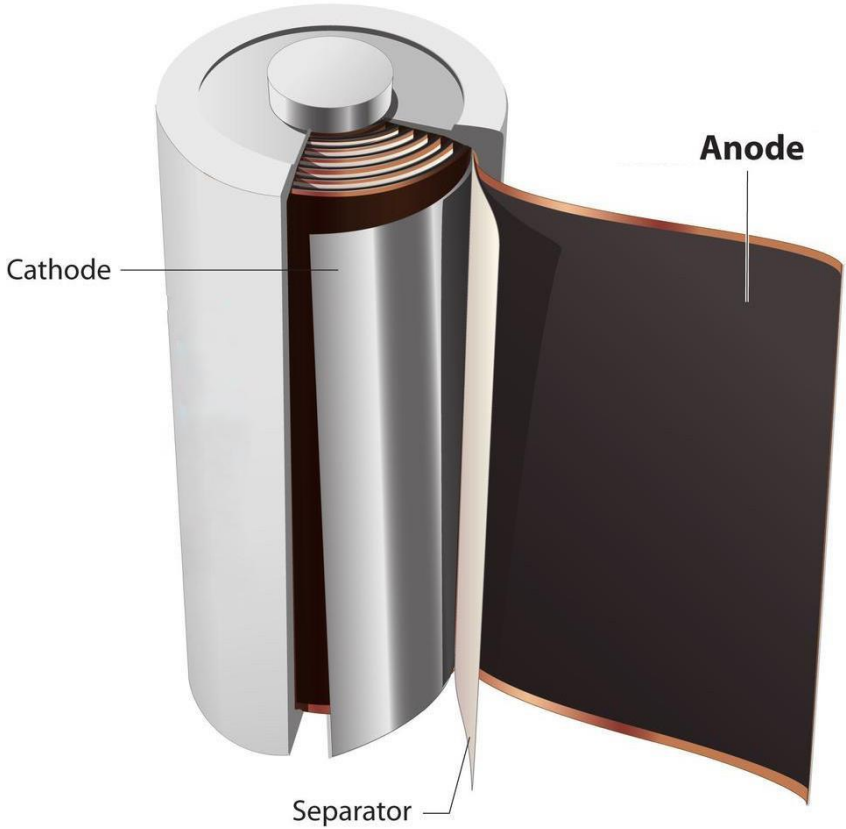
NYSE American: GRFX  
HKEX: 6128

**GRAPHITE POWERS  
OUR FUTURE**

# Why Graphite?

- 
- ***The Future is Electrified***
  - ***Electrification = Batteries***
  - ***Batteries = Graphite***

# Why Graphite?



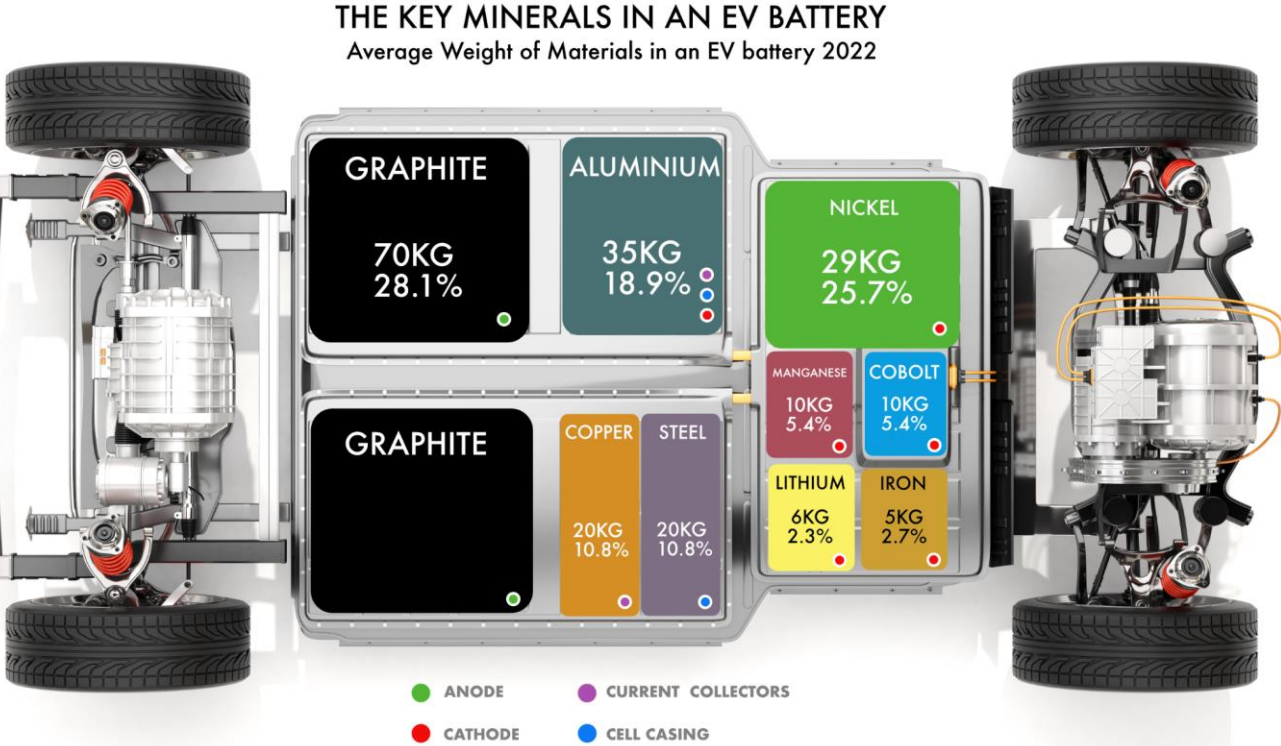
### Typical EV Li-Ion Battery Cell

- Coated spherical graphite is used by battery makers to form the graphite electrode (anode) of a Li-Ion battery cell
- Regardless of the Cathode configuration – e.g. LFP, NMC, etc. – the anode is 95-99% graphite, usually a combination of natural and synthetic.
- There is no practical substitute for graphite as the anode material in EV batteries currently, nor for the foreseeable future.
- Graphite comprises up to 28% of the volume in an EV battery

Source: Learn Engineering; note Cathode is a NCA material made from Lithium Nickel Cobalt Aluminum Oxides; separator is PVC or Polymer film; 85KW battery has 7,104 cells

# Why Graphite?

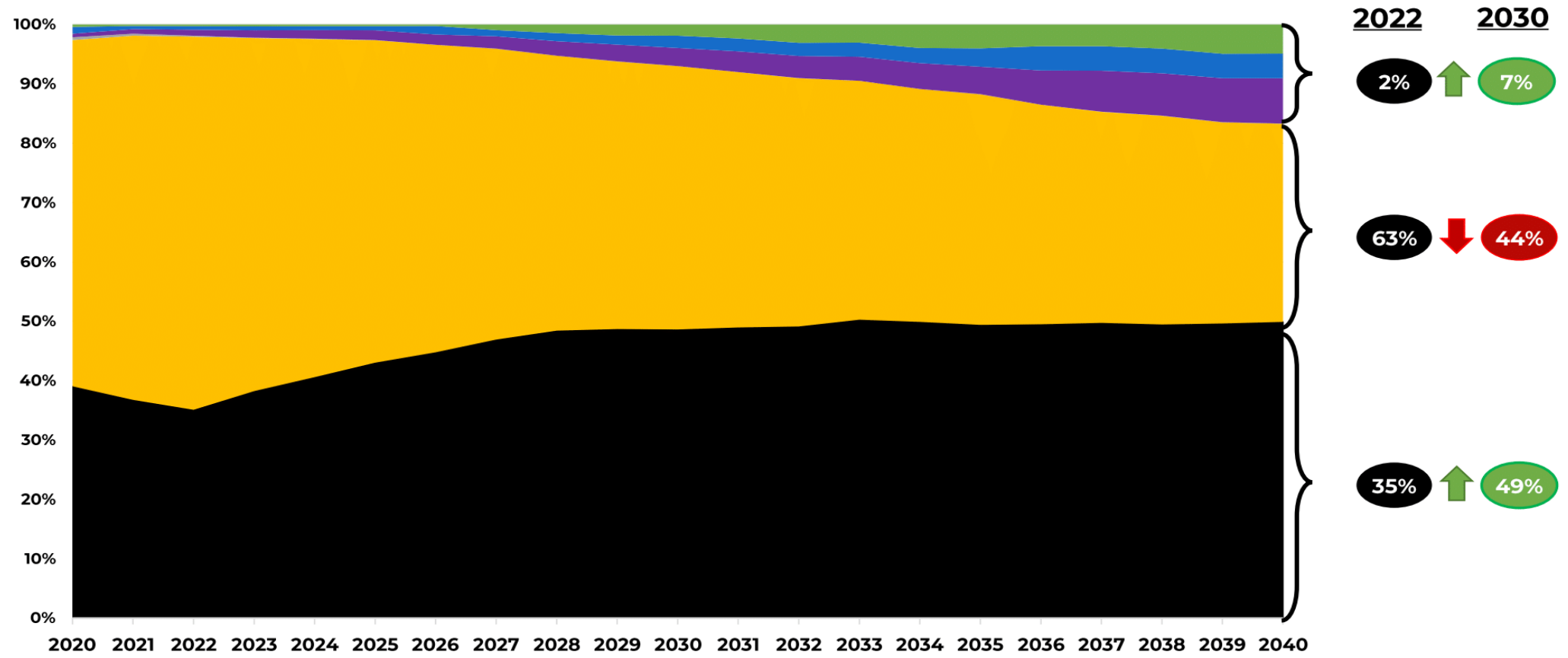
- Up to 15X More Graphite than Lithium
- Sustained High Demand for Decades
- Stable, Natural, High-performing, Non-toxic
- Cathode Agnostic
- Universal to ANY Electrification Mode
- No Substitute



# Stable, Increasing Demand Through 2040 and Beyond



## Anode Market Share Through Time



■ Natural ■ Synthetic ■ MCMB ■ Silicon ■ LTO ■ Other

© Benchmark Mineral Intelligence



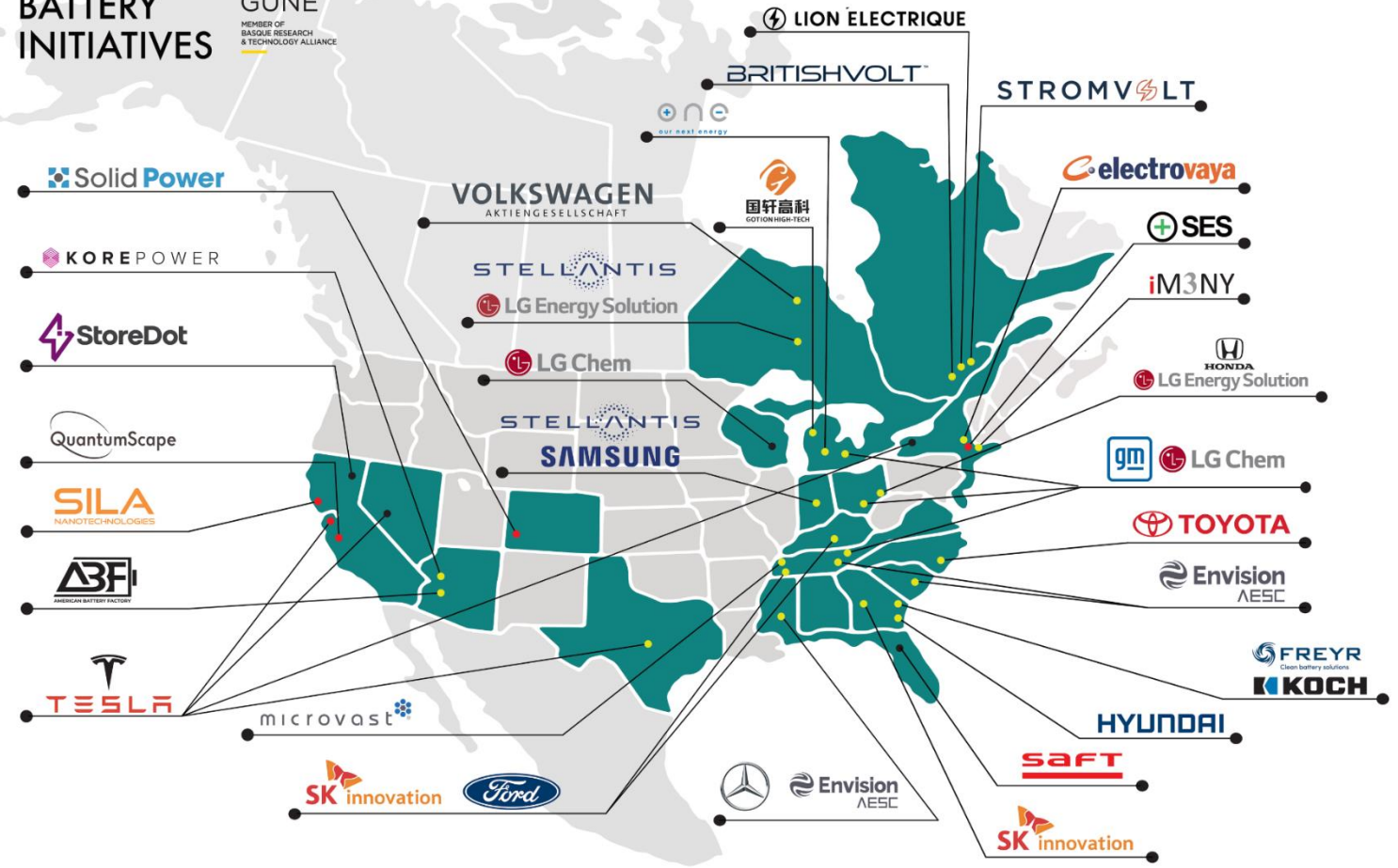
Natural Graphite Content in EV Batteries INCREASES Over Time

# NA Gigafactories: 560 GW / year = ~500,000 Tons of Demand

**NORTH AMERICAN BATTERY INITIATIVES**

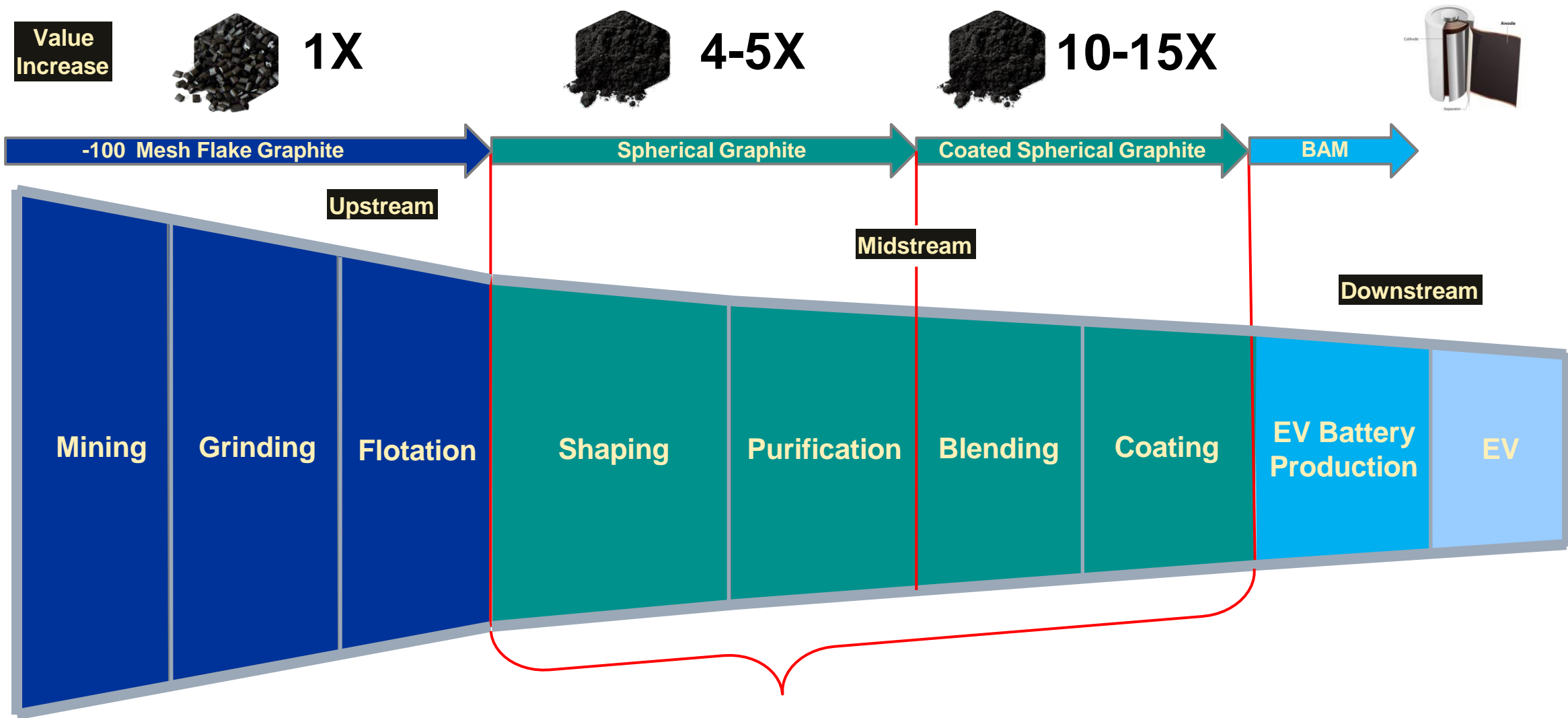
Analysis by  
**CIC energi GUNE**  
MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

- OPERATIONAL PLANT
- PROJECT IN PROGRESS
- OPERATIONAL PILOT LINE OR IN PROGRESS




**Current Commercial-scale Production = ZERO**

# Why Graphex? 10X - 15X Value Added in Mid-Stream



# Why Graphex?

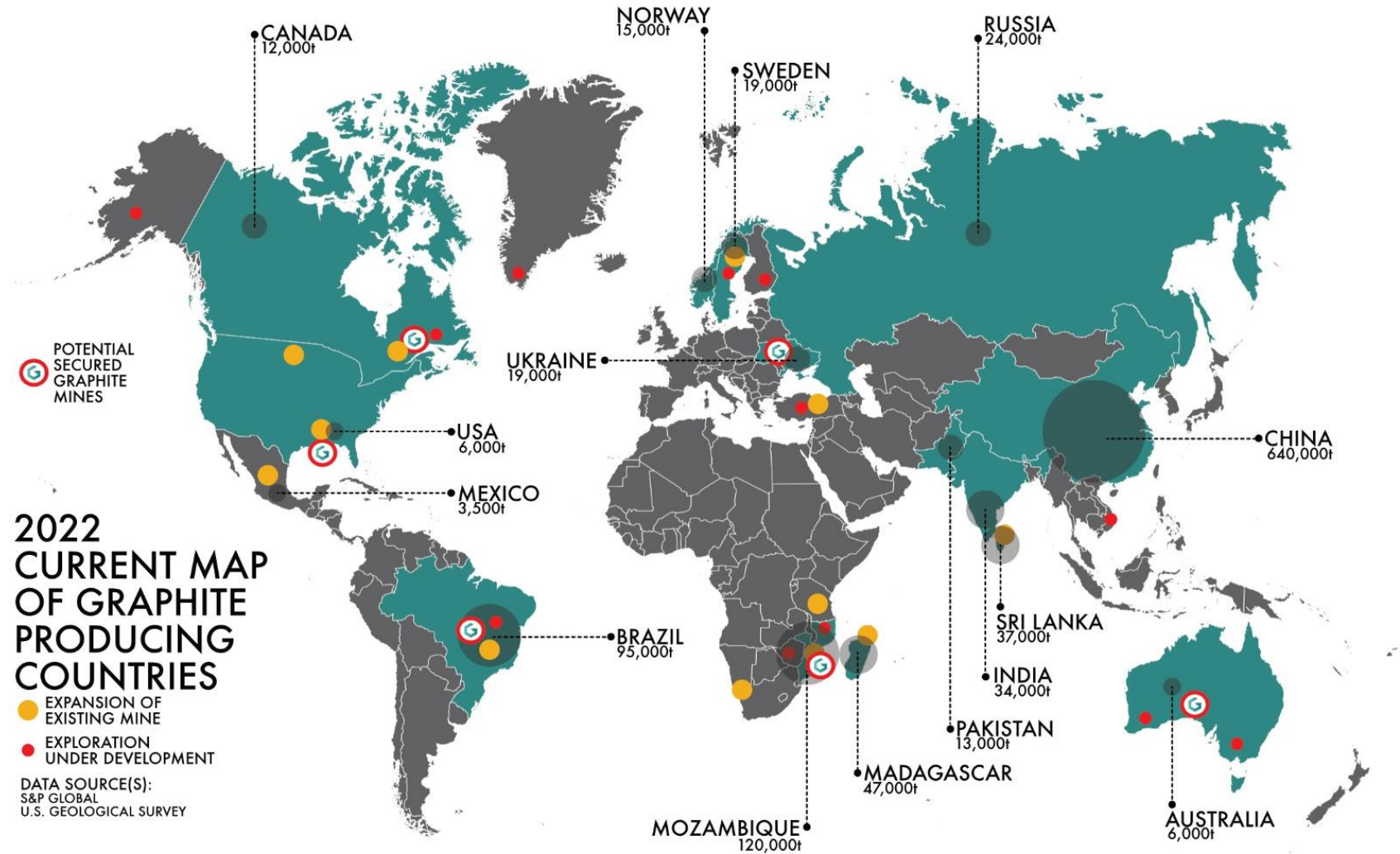
- 
- ***Top 10 Graphite Processor Globally – not a start-up***
  - ***Revenues and Positive EBITDA – 10,000 MT/annum***
  - ***High Barrier to Entry – Art & Science***
    - ***Proprietary technology and methods***
    - ***20 Patents, Tribal Knowledge***
  - ***Foundational Player Globally***
  - ***Solving an Industry-level Problem***



# Partnership/Supply Agreement Opportunities

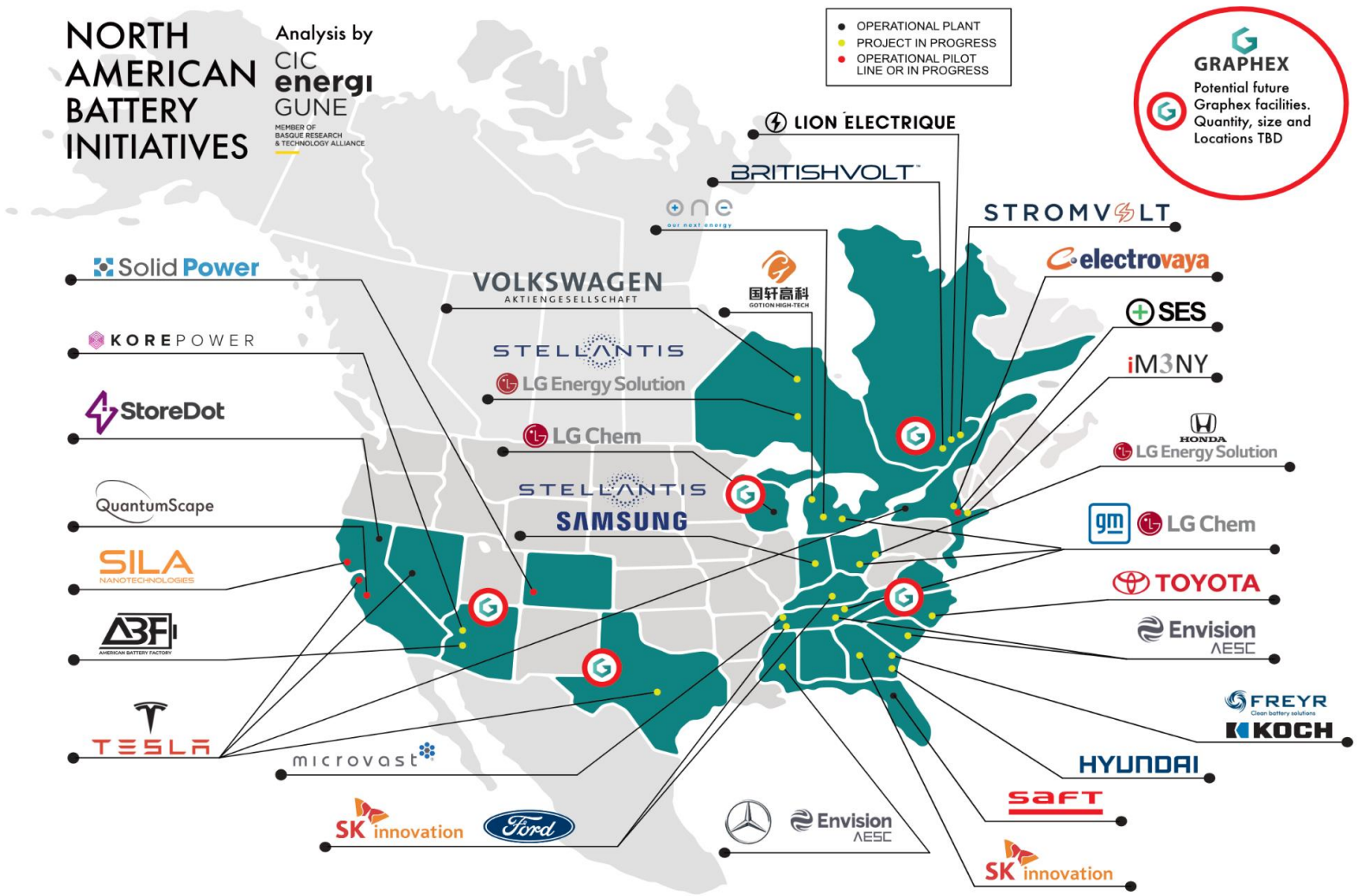


# Solving the Problem – Part I



Secure Multiple Sources of Raw Material ex-China

# Solving the Problem – Part II



Deliver End-to-End (Mine-to-Battery) Supply at Scale to Customers

# Jixi Expansion – Mashan Industrial Park



- **Phase I: 20,000 MT Q3 2023**
- **Phase II: 55,000 MT Q4 2024**
- **Increase Revenues 2X - 5X**

- **Contract w/ Mashan Graphite Park**
- **Phase I Design Completed**
- **Contractors Selected**





- ***One of the first battery anode material facilities in North America***
- ***15,000 MT Q1 2024***
- ***100+ new jobs to disadvantaged area***
- ***Siteworks Completed, Utilities Upgraded, Construction Waiver***
- ***Structures Rehabbed, Ready to Plug and Play***
- ***Grants and Incentives – City, County, State***



# Site Negotiations – Baie Comeau, Manicouagan, Quebec

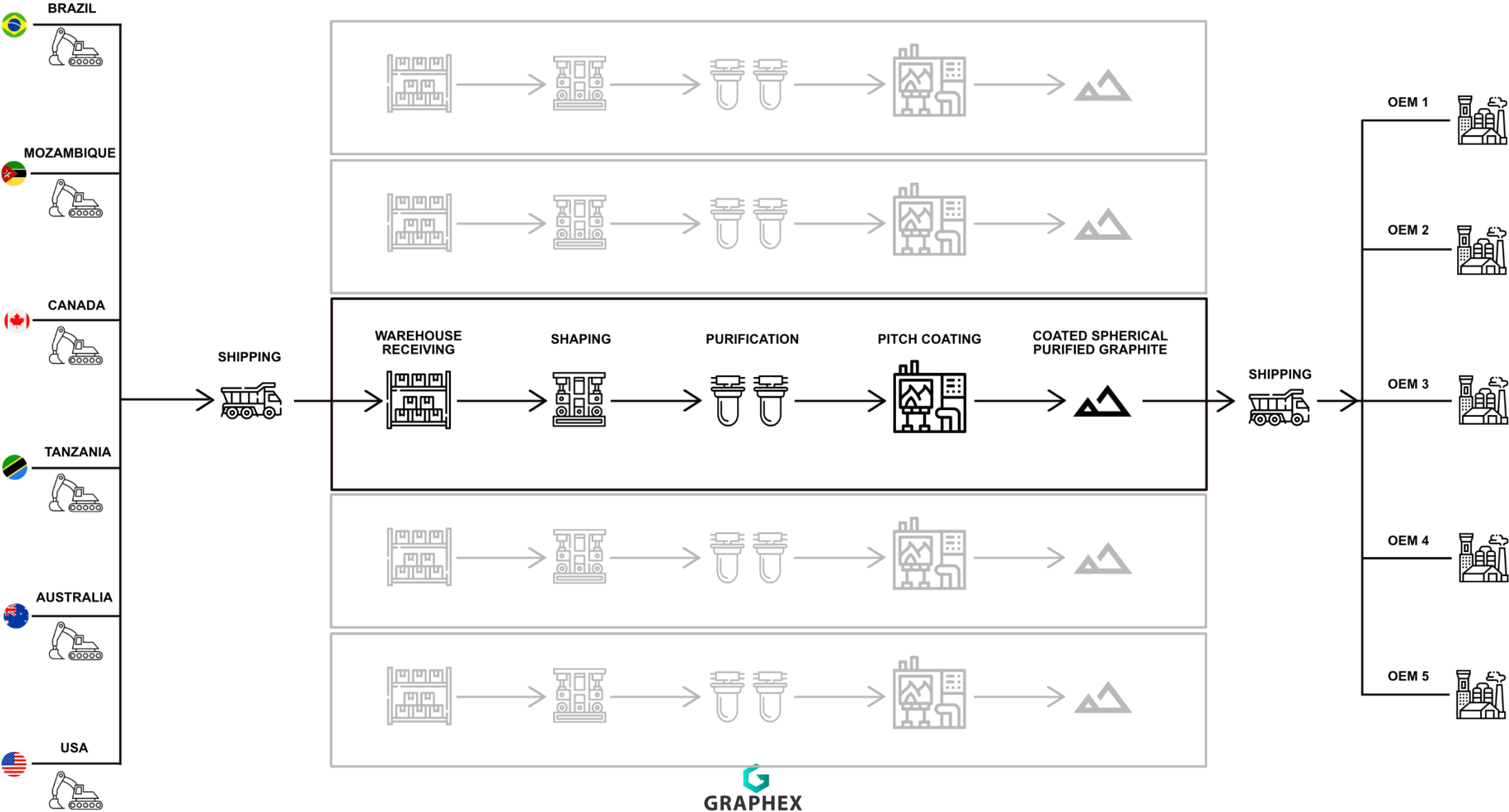


- **100% Renewable Power**
- **Up to 1000+ New Jobs to Region**
- **Up to 100 MT + Q1 2026**

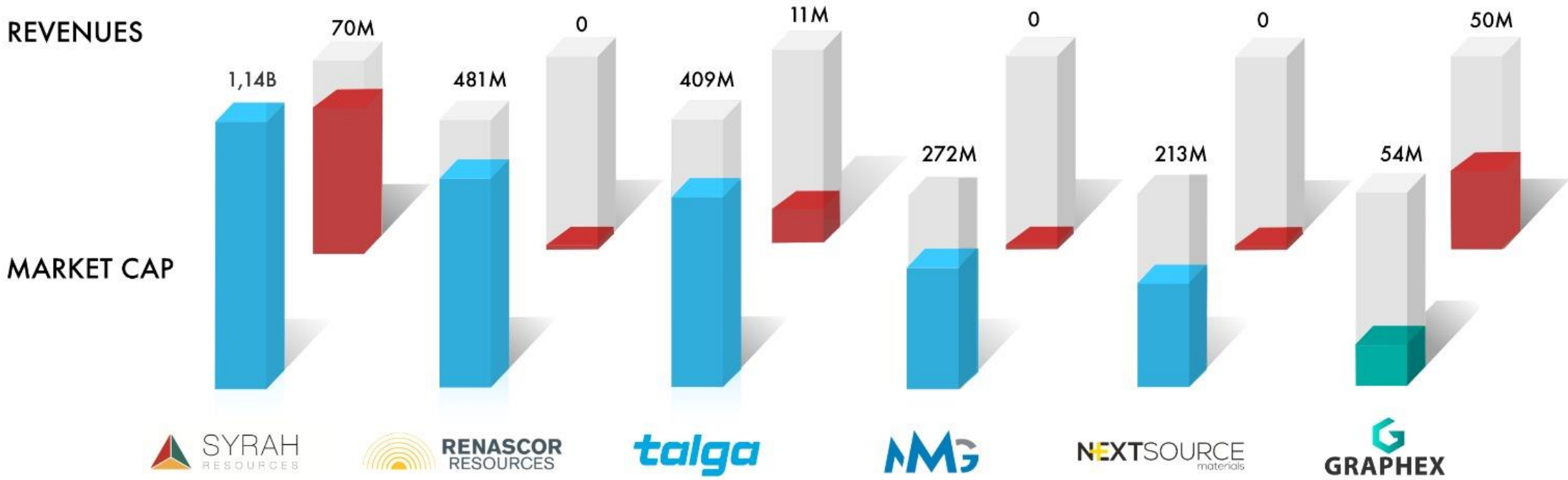
- **International Deep-sea Shipping Port**
- **International Rail Network Access**
- **Local, Regional, National Incentives**



# Flexfactory flow



# Market Cap vs Annual Revenues



**Substantial Revenues vs Peer group**  
**Attractive Price/Sales Ratio**  
**Recently Listed NYSE American**



# Key Executive Team

**John DeMaio**  
*CEO, Graphex Technologies*  
*President, Graphex Group*

- ❖ 35 years in executive leadership and operational management in the energy and infrastructure sectors
- ❖ Responsibilities include formulating corporate and business strategies and making major corporate and operational decisions to support the expansion of the graphite business into the U.S.
- ❖ Previously President, CEO, and Board Member of JouleSmart Solutions, GM of Siemens Smart Infrastructure, Vice President of MWH Global, VP of SPG Solar, COO of Thompson Solar Technologies

**Dan Nye, CFA**  
*Chief Strategy Officer*

- ❖ 20 years of experience investing into and building technology businesses
- ❖ US Naval Officer; fast attack submarine USS Springfield (SSN 761)
- ❖ Led manufacturing operations for Asyst Technologies, growing revenues from \$80 to \$300 million
- ❖ Harvard Business School MBA; Boston University, BSc Manufacturing Engineering
- ❖ Bain & Company strategy consultant, focused on energy/industrials

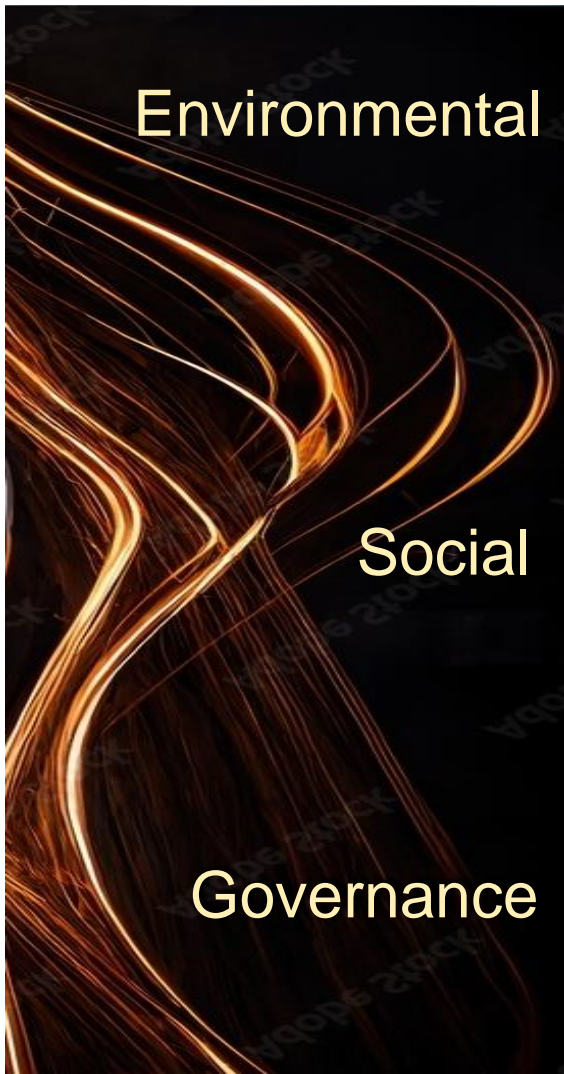
**Frank Li**  
*Chief Technology Officer*

- ❖ Physics and a Masters Degree from the Chinese Academy of Sciences.
- ❖ Prior experience in R&D for Shanghai Shanshan Technology and as the Chief Engineer and Deputy GM for Qitaihe Wanlitai Electrical materials
- ❖ Previously the R&D Director of oil series needle coke and anode materials for Shandong Yiwei New Materials

**Prof. Liqun Luo**  
*Head of Research*

- ❖ PhD in Engineering and Mineral Processing from Wuhan University in 2003
- ❖ Currently a Professor and Senior Engineer at Wuhan University of Technology
- ❖ An expert in mineral processing, he is a visiting scholar to the University of Queensland, Australia

# Commitment to ESG



## Environmental

- ❖ ISO 9001:2008
- ❖ Utilizing practices and technologies that minimize water and carbon footprints
- ❖ Accepting full responsibility for, and providing effective leadership on, sustainability issues
- ❖ Managing and minimizing the environmental impact of our operations by following best international practices and standards

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## Social

- ❖ All new workers at the processing plant are required to receive and pass the three-tier safety training program
- ❖ Plant has established safety prevention mechanisms at all levels
- ❖ Treating all stakeholders and partners with dignity and respect through transparent and effective engagement
- ❖ Prioritizing the sustainable socio-economic development of local and indigenous communities through local sourcing and employment
- ❖ The protection and respect of human rights of our employees and local communities

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## Governance

- ❖ Stakeholder engagement through regular meetings, emails, shareholder meeting, public consultations, internship programmes, industry conferences and community events to build relationships with both internal and external stakeholders
- ❖ As part of our Code of Conduct, the group strictly prohibits any bribery or corruption
- ❖ Protecting customer privacy and data
- ❖ Protecting personal data of its employees
- ❖ Protecting intellectual property rights, through non-disclosure agreements

# Summary

- ***Demand > Supply “Forever”***
- ***No Practical Substitute***
- ***Experienced High-volume Producer***
- ***Diversified Upstream and Downstream***
- ***Solving Industry Problem***

# Summary

- ***Electrification = Batteries***
- ***Batteries = Graphite***
- ***Graphite =***   
**GRAPHEX**

***Thank You !***



**NYSE American: GRFX**  
**HKSE: 6128**

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**GRAPHEX**