



FALCON
ENERGY MATERIALS PLC

AIMING TO BE THE **GO-TO NATURAL CSPG**
SUPPLIER

INVESTOR PRESENTATION | Q2 2021

TSX-V: **FLCN**



CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This presentation contains “forward-looking statements” or “forward looking information” within the meaning of applicable securities laws and other statements that are not historical facts. Forward-looking statements are included to provide information about management’s current expectations, estimates and projections regarding Falcon’s future growth and business prospects and other opportunities as of the date of this presentation.

All statements, other than statements of historical fact included in this presentation, regarding the Corporation’s strategy, future operations, technical assessments, prospects, plans and objectives of management are forward-looking statements that involve risks and uncertainties. Wherever possible, words such as “aim”, “anticipate”, “assume”, “believe”, “estimate”, “expect”, “goal”, “intend”, “objective”, “outlook”, “plan”, “potential”, “projection”, “strategy”, “target”, “vision”, and similar expressions or statements that certain actions, events or results “may”, “could”, “would”, “might”, “will”, or are “likely” to be taken, occur or be achieved, have been used to identify such forward-looking information. Forward-looking statements in this presentation include, but are not limited to statements with respect to: the technical study, notably those statements under “Why Invest?”, “Collaboration is the Differentiator in Filling the Gap in the Global Supply Chain”, and “Milestones and Catalysts – 2025 is a pivotal year for Falcon”; the results of the technical-economic study for Falcon’s natural graphite spheroidization, purification and coating plant in the Kingdom of Morocco (the “Anode Plant”) discussed in this presentation, including without limitation, the Anode Plant project economics, financial and operational parameters such as annual production target at 26ktpa, Anode Plant design, timeline for construction, target for initial production of H2 2027, initial capex of \$86M, and operating costs of \$3,168 per tonne of CSPG as presented on page 15, 18, 19, 20 and 22; the economic viability of the Anode Plant; the composition of the Corporation’s unique consortium of partners; the commitment of the partners; the global demand for CSPG; the applications for CSPG; the availability of natural graphite feedstock; the Corporation’s expectations regarding the future structure, concentration, and persistence of global market dynamics in the lithium-ion battery sector, including the continued dominance of China in downstream EV battery processing and manufacturing activities; the market and permitting conditions prevailing in Morocco, including free-trade agreements with Europe, USA and UAE, fast-tracking permitting process and 63% of renewable energy by 2030; the Corporation’s expectations on governmental policies on international trade and investment, including sanctions and actions in respect to global trade, tariffs, and trade agreement; the Corporation’s expectations on costs of future operations; future price of CSPG; expected next steps in the development of the Anode Plant and the pilot plant, including without limitation those discussed under “Milestones & Catalysts – 2025 is a pivotal year for Falcon”, such as delivery of equipment for the pilot plant, securing the Anode Plant location, feedstock testing for CSPG suitability, discussions with potential offtake partners, discussions on financing & strategy for full-scale CSPG Production Facility, pilot plant CSPG production, feasibility study on full-scale CSPG plant and full-scale production of 26ktpa of CSPG; the anticipated timeline and budget for the development of the pilot plant and the Anode Plant, including the pilot plant producing natural CSPG in Q4 2025; key employees; the Corporation’s expectations regarding future price assumptions and financial performance; the Corporation’s expectations on future operating results and economic performance, and its objectives and strategies, including its aim to become a fully-integrated supplier of battery anode material, its vertical integration strategy from mine-to-market aimed at derisking anode plant development, the Corporation’s OEM sourcing strategy – De-risking is better than de-coupling; and the Corporation’s expected results from its business model.

Forward-looking information is based upon certain assumptions and other important factors and assumptions subject to significant business, geological, economic and competitive uncertainties and contingencies that, if untrue, could cause the actual results, performance or achievements of the Corporation to be materially different from future results, performance or achievements expressed or implied by such information or statements. There can be no assurance that such information or statements will prove to be accurate. Key assumptions upon which the Corporation’s forward-looking information is based include, without limitation: (1) the current market will continue and grow; (2) the legality of the decree signed by the President of Guinea revoking certain exploration and exploitation permits; (3) the Government of Guinea’s intention to revoke the Lola Graphite Project exploitation permit; (4) the Corporation’s capacity to execute on its strategic and operational plans, including its ability to develop the pilot plant and Anode Plant on the anticipated timeline and budget; (5) stable political, social, and legal conditions in Morocco and Republic of Guinea and the absence of significant disruptions affecting operations due to civil unrest, regulatory changes, or other external factors; (6) that economic and market conditions, including interest rates, inflation, exchange rates, commodity prices, and applicable trade policies, remain consistent with current expectations; (7) the ability of Falcon to secure additional financing or strategic investment on favorable terms, if and when needed, to fund projects development; (8) the assumption that no material adverse events will occur that prevent Falcon from achieving its objective of becoming a fully integrated supplier of battery anode materials; (9) the continuation and effectiveness of the strategic partnerships currently in place between Falcon and its industrial partners; (10) sector-specific demand will continue to grow in line with current forecasts; and (11) the capital and operational costs of the pilot plant and Anode Plant. Readers are cautioned that the foregoing list is not exhaustive of all factors and assumptions which may have been used.

Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Corporation to be materially different from those expressed or implied by such forward-looking information, including but not limited to: (1) volatile stock price; (2) the general global markets and economic conditions; (3) the possibility of write-downs and impairments; (4) the risk associated with exploration, development and operations of mineral deposits and mine plans for the Corporation’s mining operations; (5) the risk associated with establishing title to mineral properties and assets including permitting, development, operations and production from the Corporation’s operations being consistent with expectations and projections; (6) there being no significant disruptions affecting the operations of the Corporation whether due to artisanal miners, access to water, extreme weather events and other or related natural disasters, labour disruptions, supply disruptions, power disruptions, damage to equipment or otherwise; (7) asset impairment (or reversal) potential, being consistent with the Corporation’s current expectations; (8) the Government of Guinea’s ability to revoke the Lola Graphite Project exploitation permit; and (9) the Corporation’s ability to defend the Corporation’s rights and investment in the Lola Graphite Project.

In addition, readers are directed to carefully review the detailed risk discussion in the Corporation’s Annual Information Form and Management’s Discussion & Analysis for the year ended December 31, 2024, filed on SEDAR+, which discussions are incorporated by reference in this presentation, for a fuller understanding of the risks and uncertainties that affect the Corporation’s business and operations.

Although the Corporation believes its expectations are based upon reasonable assumptions and has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward-looking statements, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. As such, these risks are not exhaustive; however, they should be considered carefully. If any of these risks or uncertainties materialize, actual results may vary materially from those anticipated in the forward-looking statements found herein. Due to the risks, uncertainties, and assumptions inherent in forward-looking statements, readers should not place undue reliance on forward-looking statements.

Forward-looking statements contained herein are presented for the purpose of assisting investors in understanding the Corporation’s business plans, financial performance and condition and may not be appropriate for other purposes.

The forward-looking statements contained herein are made only as of the date hereof. The Corporation disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except to the extent required by applicable law. The Corporation qualifies all of its forward-looking statements by these cautionary statements.

Forward- Looking Statement

Falcon Energy Materials PLC (TSX.V: FLCN)(OTCQB: FLCNF) is Developing a Natural CSPG Plant in Morocco. **Why Invest?**

- **THE LITHIUM-ION BATTERY SECTOR** is projected to exceed USD \$200 billion in value by 2030, with CSPG being a critical component for high-performance anodes
- **NATURAL CSPG** is less cost and energy-intensive to produce than synthetic, and generates fewer carbon emissions
- **GROWING INDUSTRIES:** Besides batteries, CSPG is used in aerospace, industrial lubricants, refractory materials, and high-temperature applications — expanding its market potential
- **LOW-COST 26ktpa CSPG PRODUCTION FACILITY** in Morocco with first production targeted for H2 2027
- **FALCON HAS ASSEMBLED A UNIQUE CONSORTIUM OF EXPERTS** to expedite development timeline and lower costs for maximum shareholder returns to become the 1st large-scale CSPG producer outside of China

¹At consensus long-term pricing

SOURCE: Benchmark Mineral Intelligence 2025

Corporate Structure



Falcon is well-capitalized and has successfully assembled a consortium of partners to advance its plan to become a fully-integrated CSPG supplier.

Note:

1. As of February, 2026
2. Average strike price of C\$0.64

CAPITAL STRUCTURE ⁽¹⁾

Listing / Incorporation	TSX -V/ UAE
Basic Shares Outstanding (M)	170.1
Options (M) ⁽²⁾	18.4
DSU's (M)	1.6
Warrants (M)	52.5
Fully Diluted Shares Outstanding (M)	242.6
Market Capitalisation (C\$)	160M
Cash (C\$)	\$26M
Liabilities (C\$)	\$640K

MAJOR SHAREHOLDERS

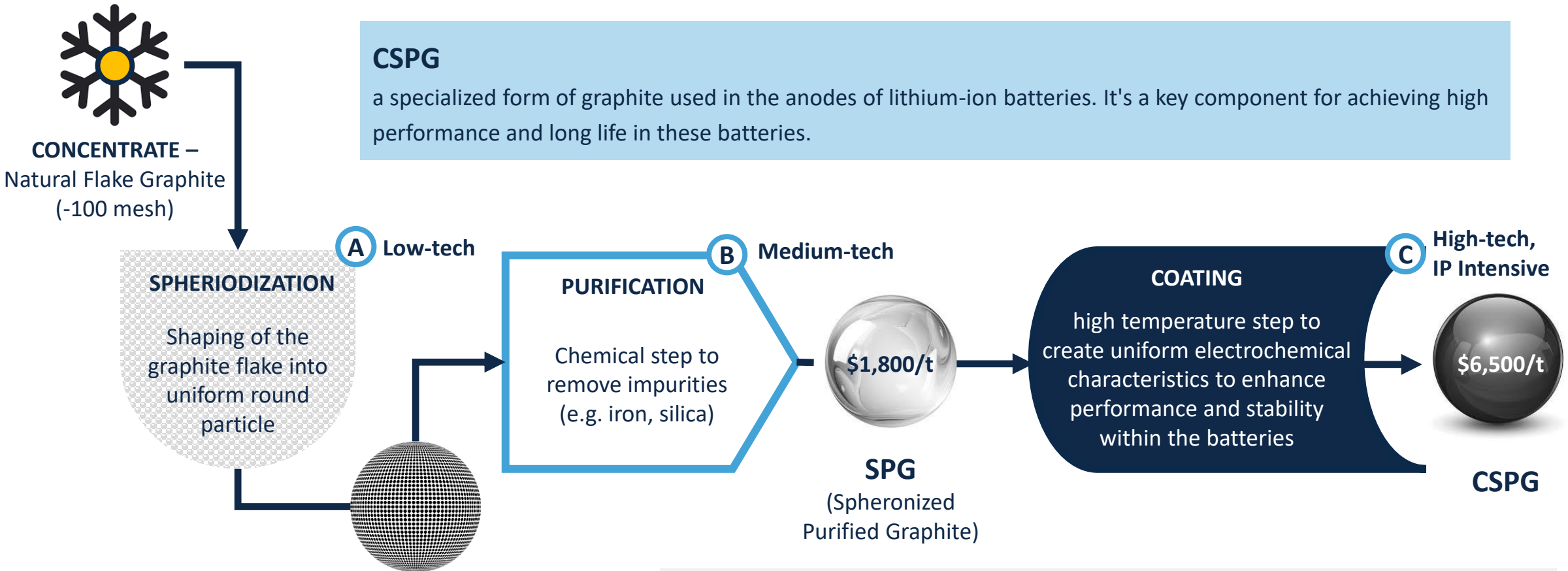
La Mancha Fund	22.8%
Sama Resources	8.9%
Coris Bank	7.4%
Argentem	4.9%
Koramic Finance Company	4.6%
Rothschild AM	2.4%
Sprott	2.3%

ANALYST COVERAGE

(DEC 3, 2025)

Desjardins	BUY
+1 416 389 2077	Target Price:
Amanda.lewis@desjardins.com	C\$1.50

What is Coated Spheronized Purified Graphite (CSPG)?



CSPG
a specialized form of graphite used in the anodes of lithium-ion batteries. It's a key component for achieving high performance and long life in these batteries.

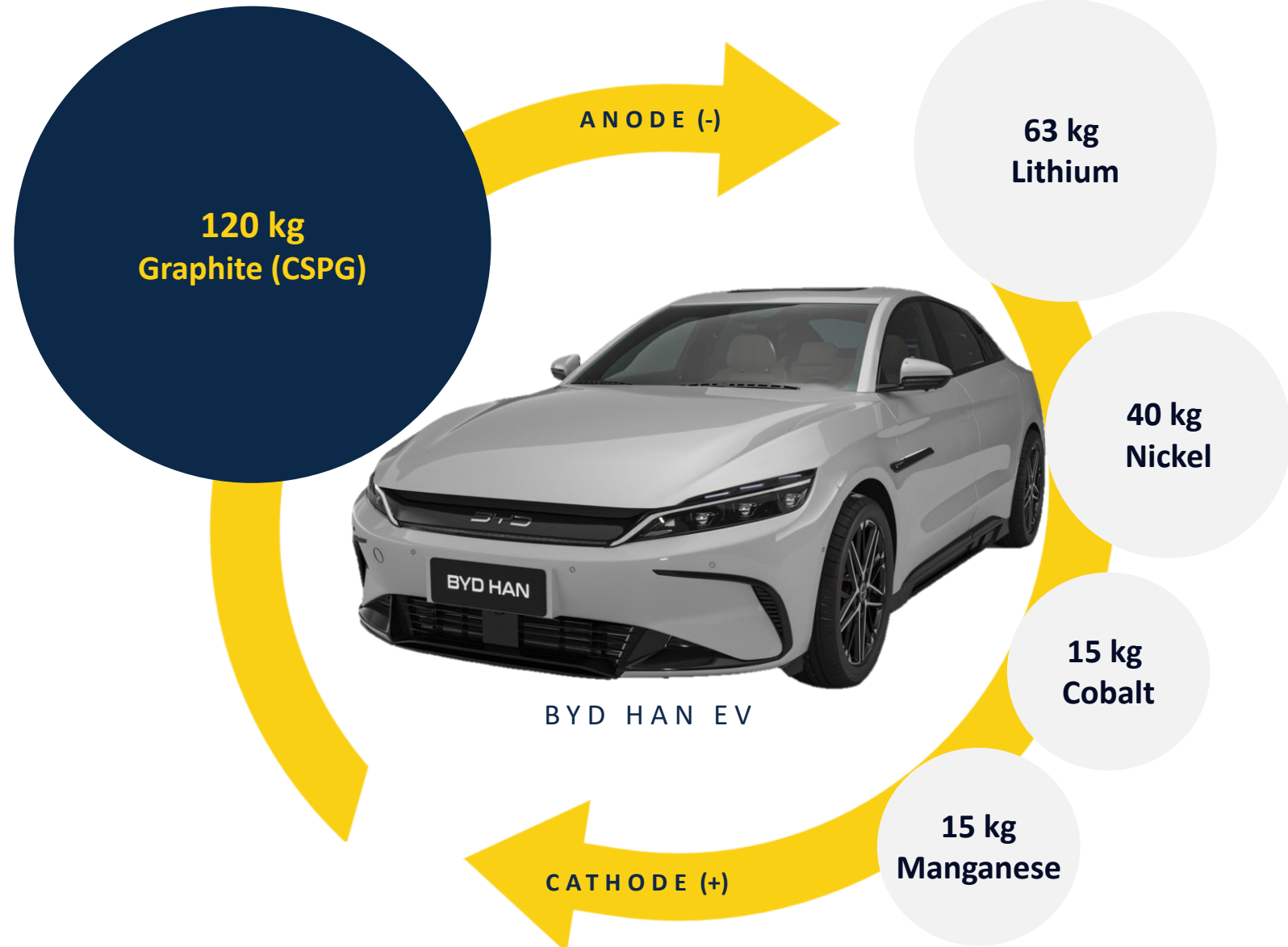
SOURCE: Benchmark Mineral Intelligence 2025

CONSUMABLES:

- A** ELECTRICITY
- B** ACIDS & WATER
- C** ELECTRICITY & PITCH TAR

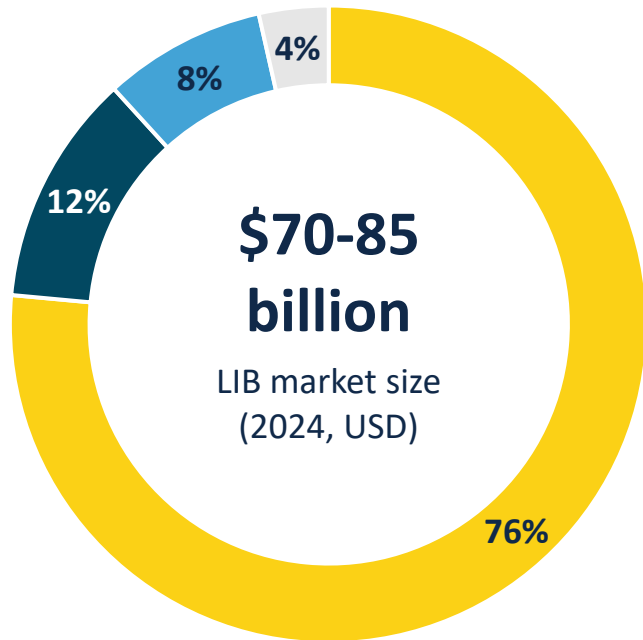
The Role of Graphite

Often overlooked, graphite is the primary anode material in most commercial lithium-ion battery.



SOURCE: [Nexus PMG](#) & [Resource Erectors](#)

Growing applications for CSPG

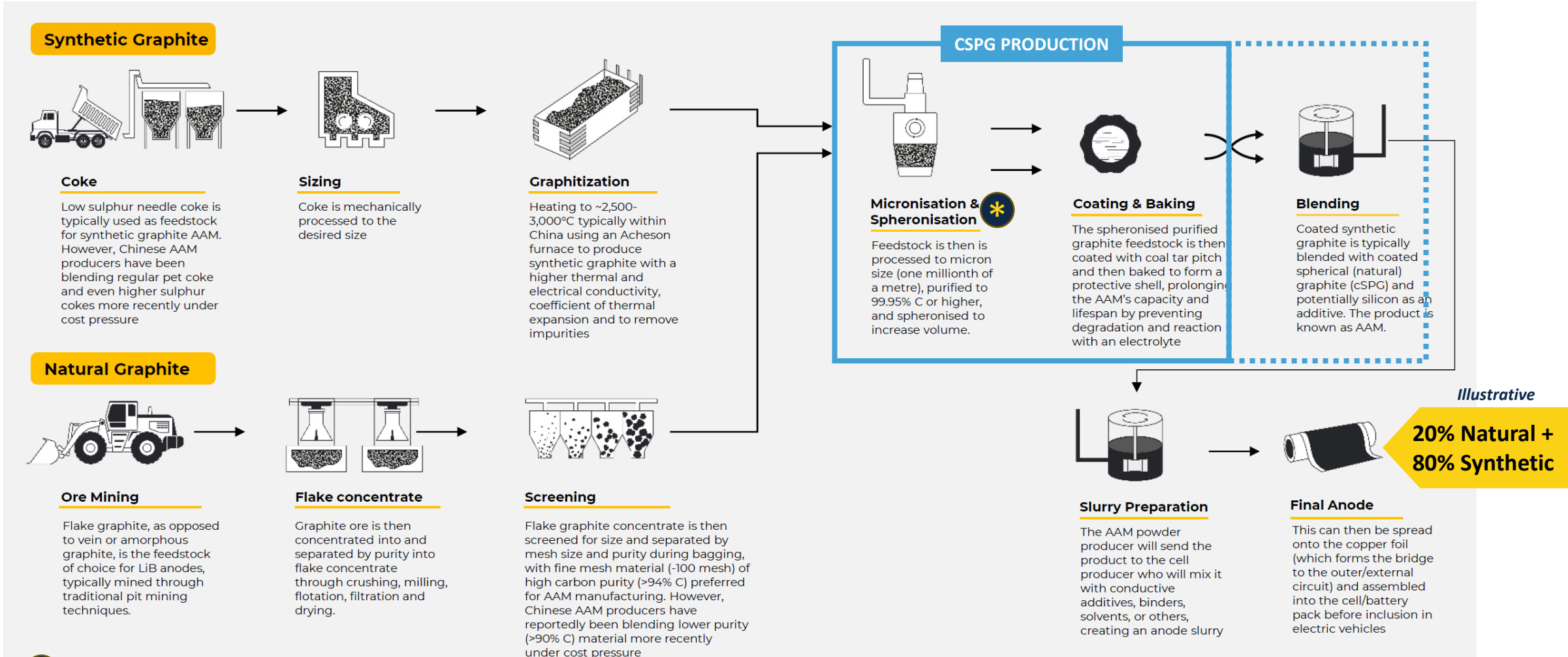


- Electric Vehicles
- Portable Electronics
- Stationary Energy Storage
- Industrial & Specialized

	CAGR	Key Drivers
	~18–25%	Rapid EV adoption globally, policy incentives, automaker investments
	~3–5%	Steady demand for smartphones, laptops, wearables
	~20–30%	Growing renewable integration, grid balancing, demand for large-scale energy storage
	~4–8%	Aerospace, defence, medical devices; increasing application diversity

SOURCE: Benchmark Mineral Intelligence 2025

The Making of an Anode



* Natural graphite also requires **Purification** in this step before *Coating & Baking*

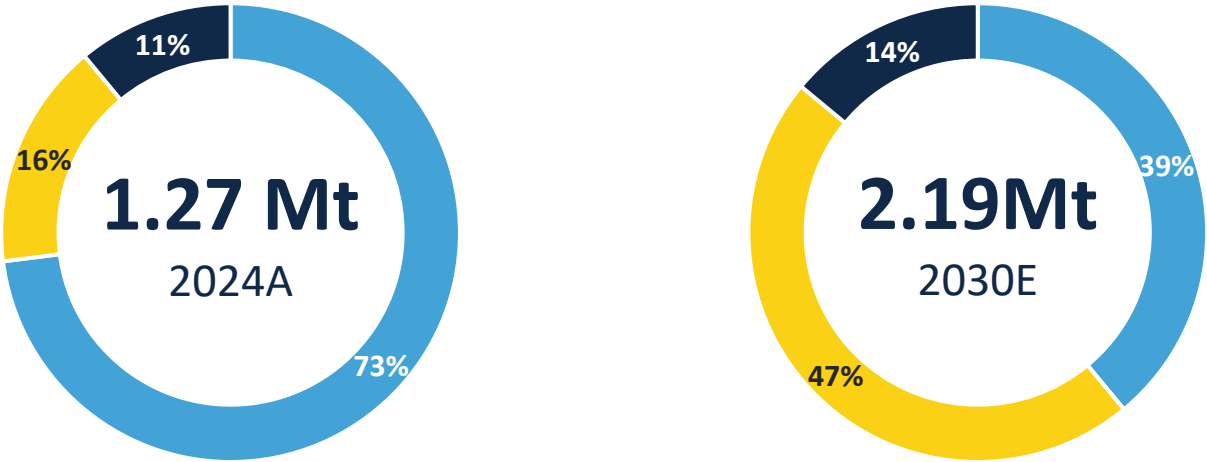
SOURCE: Benchmark Mineral Intelligence 2025

Abundance of Natural Graphite Feedstock Available Globally



TOTAL CONCENTRATE PRODUCTION:

Graphite mines and projects exist around the globe, but 90+% of graphite is processed in China...

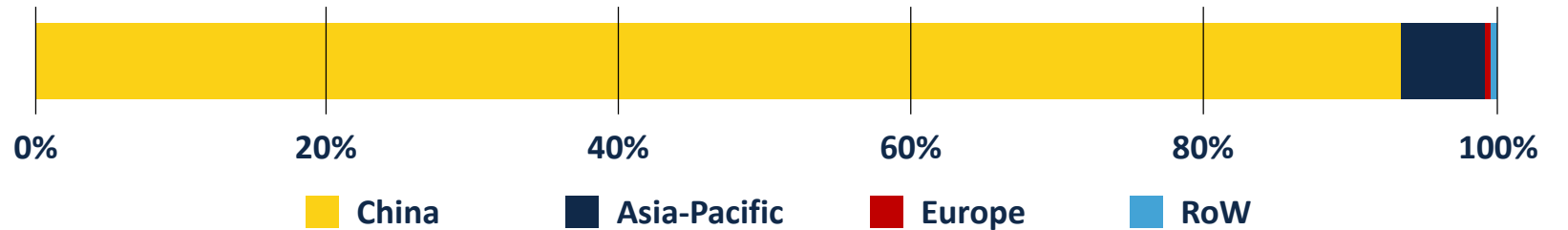


SOURCE: Benchmark Mineral Intelligence

2024 Global Anode Industry



Market Share (% by Operating Region) = Total = 1,960 kt



China dominates downstream EV battery supply chain, a trend which is unlikely to change.



- Natural Graphite (16%)
- Synthetic Graphite (79%)
- Graphite-silicon Composite (4%)
- Silicon-engineered (0%)
- LTO/Nb Oxides (1%)
- Other Anode (0%)
- Hard Carbon (0%)

SOURCE: Benchmark Mineral Intelligence 2025

Industry Leaders Fully Recognize the Importance Of China



China is undeniably at the forefront of the EV revolution.



Executing to a Chinese standard is now going to be the most important priority.

- Jim Farley, CEO Ford



Cutting ties with China would be “unthinkable”

- Ola Källenius, Head of Mercedes Benz



China is “many years” ahead with EV development

- Carlos Tavares, Former CEO Stellantis



We need to prove that we can match Asian suppliers in execution....

- Peter Carlson, former CEO Northvolt



China is center of global auto future

- Oliver Blume, CEO of Volkswagen Group

SOURCE: 2024 Quotes

Companies are Attempting to Create Their Own Production Facilities to Undercut Supply From China

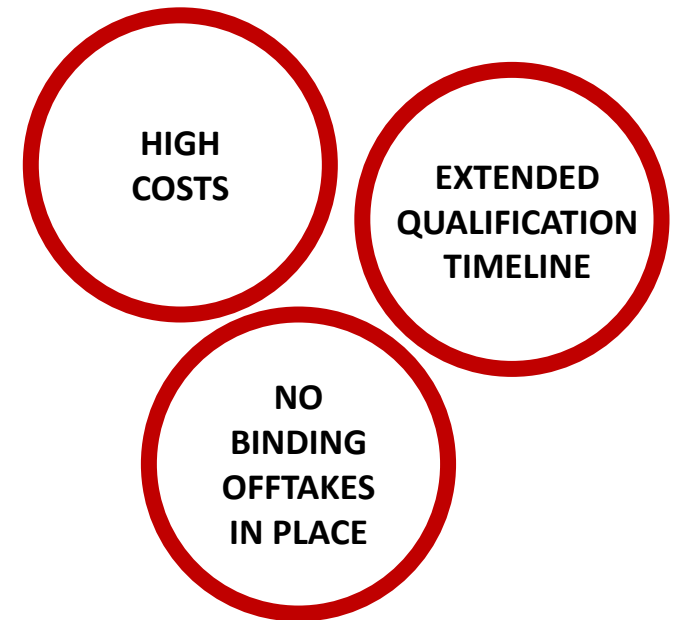


Selected Peers	Investment	NG/SG	Location	Current Capacity	Nameplate Capacity
Nouveau Monde	\$911M	NG	Quebec, Canada	1.5kt	44kt
Westwater Resources	\$271M	NG	Alabama, USA	--	13kt
Epsilon Advanced Materials	\$650M	NG	North Carolina, USA	--	30kt
Syrah Resources	\$538M	NG	Louisiana, USA	11.25kt	45kt
Graphite One	\$394M	SG	Ohio, USA	--	25kt
Falcon EM	\$86M	NG	Jorf Lasfar, Morocco	--	26kt

NG: Natural Graphite; SG: Synthetic Graphite

SOURCE: Benchmark Mineral Intelligence 2025 & Corporate Websites

THE CHALLENGE:
Most lack the technology, partners and skills to CSPG quality requirements



Collaboration is the DIFFERENTIATOR in Filling the Gap in the Global Supply Chain



Our goal is similar to our peers: To create a high-margin CSPG production business that sells to western end-users.



We have assembled a unique consortium to leverage technical and commercial expertise along with financing capabilities to maximize value.

Accelerate Timeline

Falcon's differentiator is **OUR APPROACH** to achieve our goal:



Near-term CSPG production from Moroccan Plant, with a PEA completed and feasibility study underway, to produce 25ktpa CSPG.



Derisk Process



Vertical integration strategy from mine-to-market, using Falcon and third-party concentrates and part of a larger Moroccan Battery Ecosystem.

Lower Cost

Unique Consortium Positions Falcon to Execute its Vertical Integration Strategy



FALCON ENERGY MATERIALS

Abu Dhabi-headquartered, TSX Venture-listed industrial materials company aiming to build the first natural CSPG production facility on the African Continent.



LA MANCHA | FINANCIAL PARTNER

Global investment firm of Naguib Sawiris focused on precious and energy transition metals sectors, with \$1.4bn under management.



HENSEN | TECHNICAL PARTNER

Chinese company with significant expertise in CSPG and existing producing factory in China. Hensen works closely with Falcon on the engineering, design and qualification of its products



SHANSHAN | COMMERCIAL PARTNER

The world's largest producer of synthetic graphite anode materials with a market share of 17% in 2024. Industry leading R&D department (700+ researchers), working closely with Falcon on the qualification of its products.



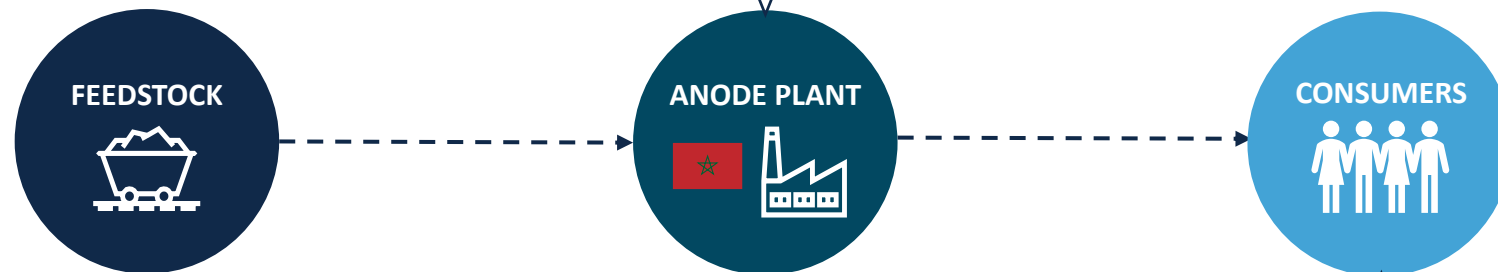
FLUORALPHA | MOROCCAN PARTNER

Leading producer of anhydrous hydrofluoric acid ("AHF"), a key ingredient and critical reagent CSPG production and hosts location for Falcon's Pilot Plant.

Working Together to De-risk of the Graphite Supply Chain



IP, CONSTRUCTION, OPERATIONS, LAND & UTILITIES



R&D, QUALIFICATION, MARKETING & DISTRIBUTION

Falcon aims to create the first natural CSPG production plant outside of China by leveraging partnerships with an emphasis on refining over mining graphite to maximize margins.

Falcon's Advantage: Lowest Capital Intensity Compared to our Peers



EDGE OVER PEERS:

Falcon's unique approach positions us as the most cost-efficient emerging producer in the market.

Selected Peers	NG/SG	Investment	Nameplate Capacity	Investment Intensity
Nouveau Monde	NG	\$911M	44kt	\$20,700/t
Westwater Resources	NG	\$271M	13kt	\$21,680/t
Epsilon Advanced Materials	NG	\$650M	30kt	\$21,670/t
Syrah Resources	NG	\$538M	45kt	\$11,950/t
Graphite One	SG*	\$394M	25kt	\$15,760/t
Falcon EM	NG	\$86M	26kt	\$3,310/t

NG: Natural Graphite; SG: Synthetic Graphite

- KEY DRIVERS:**
- 1 BASED EXISTING HENSEN PLANT
 - 2 CHINESE PROCURMENT & SUPPLY CHAIN
 - 3 MOROCCAN CONSTRUCTION COSTS

* NG to follow commissioning of AG facility
 SOURCE: Benchmark Mineral Intelligence 2025 & Corporate Websites

Kingdom of Morocco is poised to become a regional EV powerhouse



- **Morocco is a strategic location** on global trade routes
 - Port of Tanger is largest port in the Mediterranean
 - Ports and transportation networks optimized for export and distribution of EV components.
- **Free-trade agreements** with Europe, USA and UAE
- **Attractive government incentives:**
 - Direct subsidy - percentage of capex
 - Tax-free zones - 5-year tax exemption, 0% VAT
 - Special economic zones - no export duties
 - Fast-track permitting process
- **63% renewable energy** by 2030
- **Car production: 1 million** in 2024



Morocco Keeping an Eye on EV while Building its Automotive Industrial Ecosystem



- **Morocco aims to increase EV production** as part of its broader automotive industry strategy
- **Launched its national electric mobility initiatives and supporting programs in 2018** to promote sustainable transportation and EV adoption.
- **Actively investing and positioning itself as a key player in the EV supply chain**, focusing on manufacturing, raw materials, and infrastructure development

Leading EV Manufacturers and Suppliers in Morocco:

Falcon's Pilot Plant in Jorf Lasfar, Morocco



CSPG PILOT PLANT DESIGN

Pilot plant on track to produce natural CSPG in Q1 2026



Fast-Tracking Towards Building Full-Scale CSPG Plant



ANODE PLANT DESIGN IN JORF LASFAR, MOROCCO



Note 1. Technical Economic Study dated Oct 20/2025

Note 2. See Detailed Breakdown of Costs in Appendix

Note 3. Desjardins Falcon Initiation Report dated December 3, 2025

Note 4. S&P Global Core Battery Metals Index average of gross margin of 14%

KEY FINANCIAL METRICS¹

Capital Costs ²	\$86M
Operating Costs ²	\$3,168/t
Average Sales Price	\$8,300/t
Target Production (All Products)	26ktpa
Construction Time	15 months

ANALYSIS BY DESJARDINS³

EBITDA	C\$179M
P/NAV	0.15x
Target P/NAV	0.30x
NAV	\$1,232M
Gross Profit Margin ⁴	64%

26ktpa CSPG Production Projections



Leveraging existing expertise significantly improves project economics and derisks execution

- Construction period of **15 months**
- Based on existing design of **Hensen Weihai CSPG plant**
- Processing flow sheet based on **conventional Chinese, CSPG production methods**
- **26ktpa⁽¹⁾ of CSPG** after final product has been qualified by customers

\$86M
Initial CapEX

\$3,168
Operating
Cost Per
Tonne of
CSPG

H2 2027
First
Production

NOTE: See Appendix – side 24 for details

Executive Team



BENOIT LA SALLE | FCPA, FCA, MBA
Chairman of the Board

Founder, President & CEO of Semafo, Current President & CEO of AYA Gold & Silver Inc. and Executive Chairman of Sama Resources Inc.



MATTHIEU BOS | MSc
President and Chief Executive Officer

Former Executive VP, Africa for Ivanhoe Mines; Previously worked for BMO Capital Markets. Current Chairman of Sama Resources Quebec Inc. and Director of Elemental Altus Royalties Corp.



PATRICK MORYOUSSEF | P.Eng
Chief Operating Officer

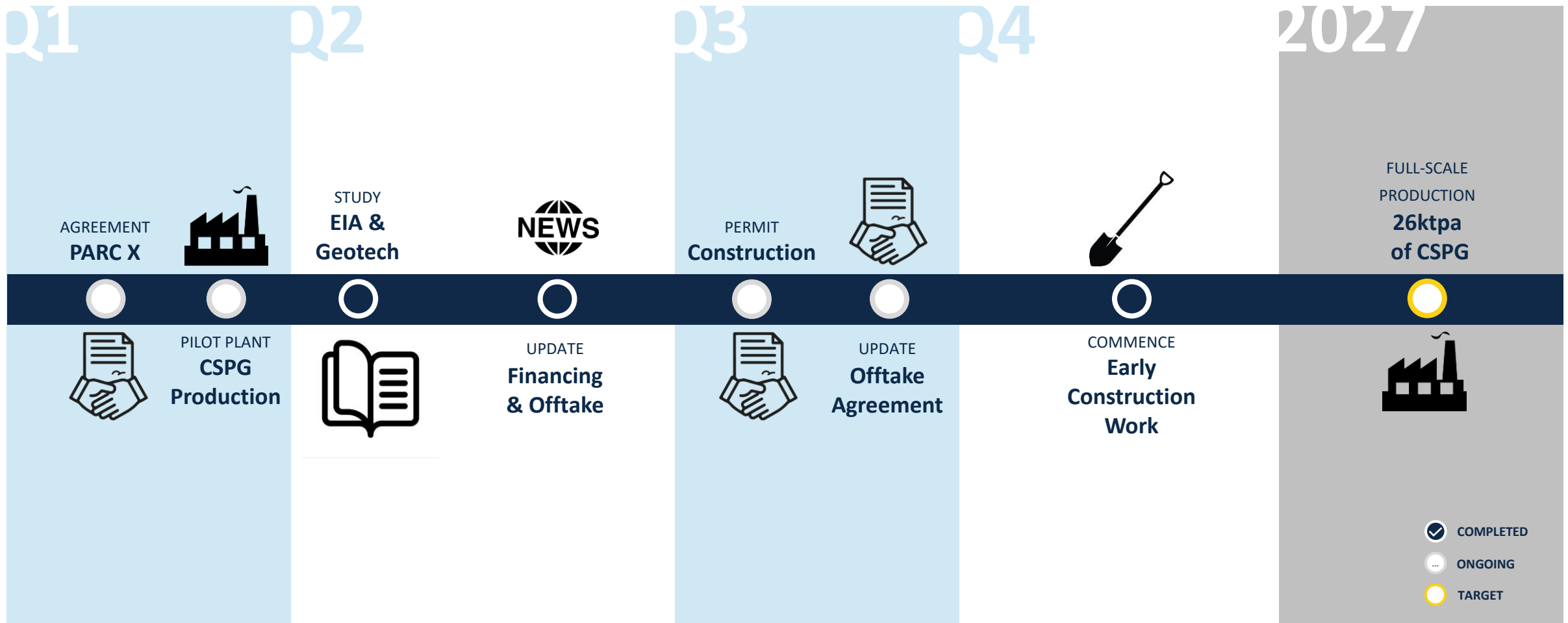
Former VP, Mining Operations of Semafo; Senior Vice-President Technical Services and Operational Performances at Endeavour Mining. Previously worked for Noranda, Falconbridge, Placer Dome.



JEAN-DANIEL JOLY | CPA
Chief Financial Officer

Former VP, Finance Shared Services at BNP Paribas and head of FP&A for Averno Technologies Inc.

Milestones & Catalysts for 2026



The background of the slide features a photograph of a stone tunnel. The walls are made of rough-hewn, greyish-brown stone blocks. Several vertical wooden beams are positioned along the length of the tunnel. In the center-right, a woven mat or basket is visible, decorated with blue geometric patterns. A large, white, stylized geometric pattern, resembling a series of interlocking triangles or a zigzag, is overlaid on the right side of the image.

APPENDICES

CSPG Anode Plant Costs



Leveraging existing expertise significantly improves project economics and derisks execution

Note I: Numbers may not add due to rounding;

Note II: All monetary figures presented are expressed in US dollars; and

Note III: These above-mentioned results should not be relied upon for investment decisions. The Technical Study is not a technical report for the purposes of NI 43-101 and is limited to a technological evaluation of the Anode Plant.

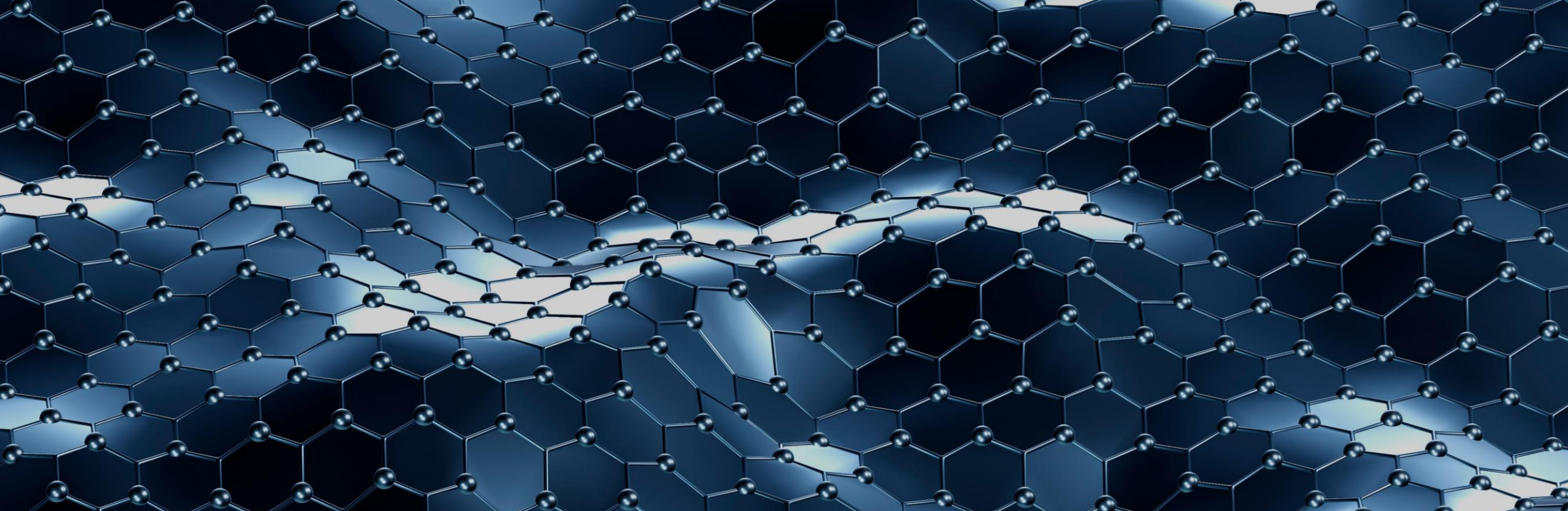
CAPITAL COSTS

Preliminary, General Earthworks and Terracing	\$3M
Civils, Architectural and Fencing	\$5M
Structural Steel	\$22M
Electrical and Fire Suppression	\$2M
Water and Sewage Management	\$1M
Bulk Power Infrastructure and Prefabricated Buildings	\$8M
CSPG Processing Circuit	\$30M
Indirect Costs	\$4M
Escalation	\$5M
Contingency	\$6M
Anode Total Capital Costs	\$86M

OPERATING COSTS

IN US\$ PER TONNE CSPG

Power	\$466
Water	\$59
Reagent	\$1,149
Tailings (Fines)	\$15
Land	\$182
Labour	\$24
Maintenance	\$85
Laboratory	\$68
Miscellaneous	\$14
Sustaining Capital	\$98
Direct Operating Costs	\$2,160
Feed and Transport	\$1,008
All-In Operating Costs	\$3,168



FALCON

Level 7, Al Maryah Tower
Al Maryah Island, Abu Dhabi
United Arab Emirates

FALCONEM.NET | TSX.V: FLCN

