

Forward-Looking Statement



This presentation contains forward-looking statements. Forward-looking statements involve known and unknown risks, uncertainties and assumptions and accordingly, actual results and future events could differ materially from those expressed or implied in such statements. You are hence cautioned not to place undue reliance on forward-looking statements. Forward-looking statements include words or expressions such as "provide, "objective", "become", "committed", "dedicated", "ensures", "growing", "prospective", "positive", "through", "contributes', "low", "easier", "continue", "excellent", "very", "valuable", "expected", "adequately", "ongoing", "expand", "plan", "expedite", "to be", "improve", "complete", "as much as", "set to", "rise", "significant", "is required", "forecast", and other similar words or expressions. Except for statements of historical fact relating to the Corporation, information contained or incorporated by reference herein constitutes forward-looking information, including, but not limited to, the future price of, and demand for, minerals including graphite, nickel and cobalt, as well as the Corporation's strategy, plans or future financial or operating performance. Forward-looking information is based upon assumptions that were applied in drawing a conclusion or making a forecast or projection that are believed to be appropriate in the circumstances, including the following: the Corporation will be able to obtain additional financing on reasonable terms or at all; the Corporation will be able to recruit and retain the services of its key technical and management personnel; the Corporation's management will not identify and pursue other business objectives in future; there will be no unexpected technological, economic, political or other disruptions that will affect supply or demand for minerals in manner that would have a material adverse effect on the Corporation; the Corporation will be able to obtain all required regulatory approvals without undue delay or subject to excessively burdensome conditions; the results of current exploration activities will be favorable; the price of minerals will remain sufficiently high and the costs of advancing the Corporation's projects sufficiently low so as to permit it to successfully implement its business plans; and that the risks referenced above, collectively, will not have a material impact on the Corporation. While management considers these assumptions to be reasonable based on currently available information, they may prove to be incorrect.

Risk factors that could cause future results or events to differ materially from current expectations expressed or implied by the forward-looking statements include, but are not limited to, exploration results, revenue, fluctuations in the price of currencies or minerals or of local operating costs, mining industry risks, delays, political and social stability in Africa including our ability to maintain or renew permits and other risks as described in our documents filed from time to time with Canadian securities regulatory authorities. Information with regards to these and other risk factors can be found in Falcon's MD&A for the year ended December 31st, 2023.

These forward-looking statements are dated as of March 13th, 2024 and we disclaim any obligation to update or revise these forward-looking statements, except as required by applicable law.

All amounts are in US dollars unless otherwise specified.



Company Highlights



Capital Structure (1)			
Basic Shares Outstanding (M)	117.4		
Options (M) ⁽²⁾	8.5		
RSU and DSU's (M)	2.5		
Fully Diluted Shares Outstanding (M)	128.4		
Market Capitalisation (C\$)	\$67M		
Cash (C\$)	\$9.5M		
Liabilities (C\$)	\$600K		

SIId	ile Plice Periorilia	lice	
\$0.90			
\$0.70	I MANAGER AND A STATE OF THE ST	MANNE	
\$0.50 1 Mar '23	1 Sep '23	1 Mar '24	
Major Shareholders			
	_		

Share Price Performance

Major Shareholders				
La Mancha Fund	23.5%			
Sama Resources 13.0%				
Coris Bank 10.89				
Research Coverage				
Eight Capital C\$1.25				

Note:

1. As of March 13th, 2024

2. Average strike price of C\$0.71

Falcon is Well Capitalized and Focused on Redomiciliation to UAE



Investment Highlights





- Graphite has significant and well-established traditional usage (refractory bricks, lubricants, etc.)
- Active Anode Material ("AAM") is a growth market as an essential input for lithium-ion batteries
- Offtakers seeking diversity of supply as China dominates current supply chain



- Management team has unique development and financing strategy
- Increased capital efficiency by doubling proposed mine production to 94ktpa graphite concentrate
- ❖ Integrated partnership business model to create a mine-to-market producer of anode material



- * Strong track record of de-risking, engineering, financing and construction of African mining projects
- ❖ La Mancha cornerstone investment validates development strategy
- Strong in-country support from Guinean authorities and local communities



- Long-life, world-class project with low operating costs and low capital intensity
- Updated Feasibility Study complete, "turn-key" EPC proposals solicited
- ❖ Morocco identified as preferred host government for 2nd transformation (Anode Alliance)

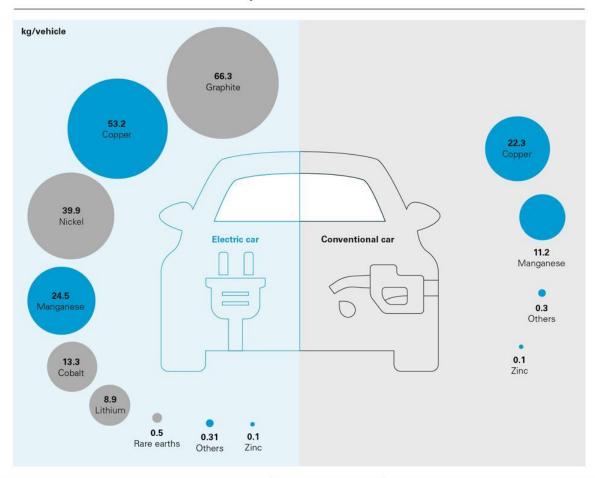
Falcon is Well Positioned to Become a Mine-to-Market AAM Producer



The Role of Graphite



Minerals used in electric cars compared to conventional cars



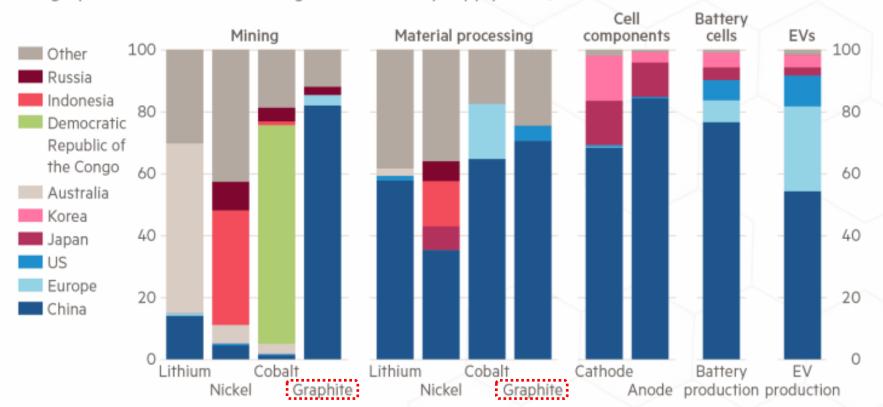
Source: IEA

The Anode is Almost Exclusively Made from Graphite

The Double Graphite Problem



Geographical distribution* of the global EV battery supply chain, 2022 (%)



Note: Percentages for mining and EV output based on actual production. All other percentages are based on production capacity 1. Refers to the country where production occurs

Source: IEA, FT

China Dominates Downstream EV Battery Supply Chain, Especially in Graphite



Decoupling vs. De-risking









Financial Times, 4 May 2023



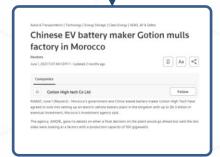
Financial Times, 13 February 2023



Financial Times, 30 April 2023



Financial Times, 13 March 2023



Bloomberg, 30 March 2023

Bloomberg, 12 August 2023

Volvo, 4 February 2023

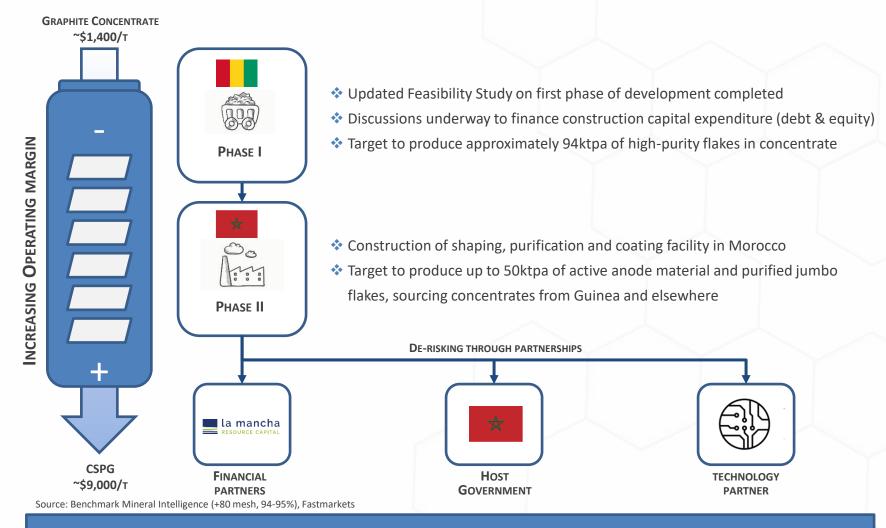
Reuters, 1 June 2023

De-risking is the Solution to Complex Supply Chain Realignment



Vertical Integration Strategy





Mine-to-Market Solution to Create Leading AAM Supplier Ex-China

La Mancha Investment





"La Mancha has seen significant successes in the gold industry, and this investment in Falcon is a logical continuation of the Fund's strategy to invest in commodities necessary to shift the energy system away from one dominated by hydrocarbons. The supply-demand dynamics for clean, future facing 2 metals and minerals could mean we are at the dawn of a new commodity supercycle.

La Mancha is pleased to support Falcon with this initial investment and, depending on the outcomes of the development programme, there is the potential for up to C\$50 million in subsequent financings to fund Falcon through to production."



Transaction Overview (

- Initial investment of C\$12.5M for 19.9% interest
- Right to nominate two Directors to the Falcon Board
- Anti-dilution rights
- Subsequent acquisition from Sama Resources



A Strong Endorsement from A Sophisticated Mining Investor



Executive Team





Benoit La Salle, FCPA, FCA, MBA – Director and 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 Vice President, Africa for Ivanhoe Mines; Previously worked for BMO Capital Markets in the Metals and Mining Division in London. Current Chairman of Sama Resources Quebec Inc.



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, CFA – Chief Financial Officer: Former Vice-President, Finance Shared Services at BNP Paribas and head of FP&A for Averna Technologies Inc.

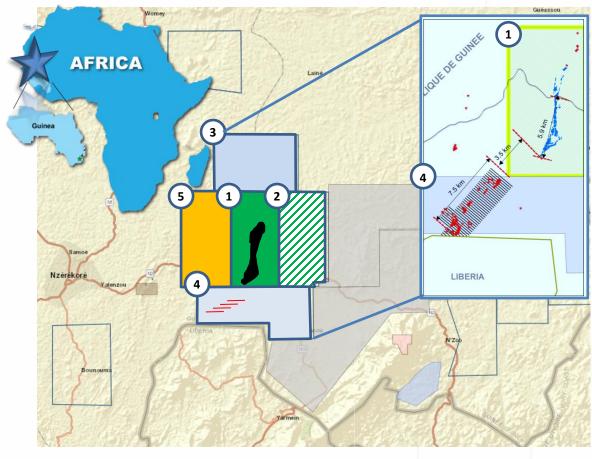


Dr. Marc-Antoine Audet, BSc, MSc and Ph.D (Geology), P.Geo – Founder, Director (Lead Geologist): Founder President & CEO of Sama Resources; Former Director of International Exploration at Xstrata Nickel; Director of Exploration at Falconbridge.



Lola Graphite Project Mining License





- Mining Permit (#22709)
 Falcon Energy Materials plc
 94 km²
 Lola Graphite Project
- Exploration Permit (#23178)
 Falcon Energy Materials plc
 92 km²
 Gogota Nickel-Cobalt Project
- "Zone Stratégique"
 Guinea Ministry of Mines
 99 km²
- "Zone Stratégique"
 Guinea Ministry of Mines
 100 km²
- Exploration Permit (#22573)
 AIS Int'l Guinee SAS
 100 km²

Existing Resource Base ____ Grab samples, pitting and trenching

Significant Exploration Potential to the North and South



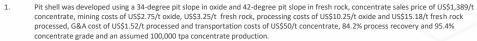
Lola Graphite Project



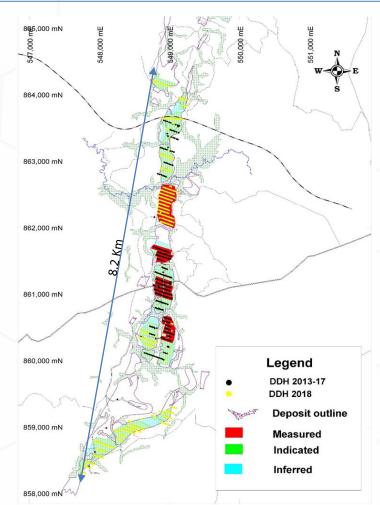
- Completed NI 43-101 compliant Bankable Updated Feasibility Study March 2023 by DRA
- Environmental and mining permit received from Government of Guinea
- ❖ 15 year mining permit awarded on Nov. 2019 for 94 Km2

Resource Statement (Cut-Off Cg 1.0% oxides, 1.4% FR)

Category	Tonnage (Mt)	Grade (% Cg)	Contained Cg (kt)
Oxide	7.78	4.04	314.6
Fresh Rock	0.47	4.01	19.0
Measured Resources	8.26	4.04	333.6
Oxide	25.40	3.83	972.6
Fresh Rock	20.29	4.14	839.3
Indicated Resources	45.70	3.97	1,812.0
Total M&I Resources	53.96	3.98	2,145.6
Oxide	10.97	3.52	386.4
Fresh Rock	1.33	4.23	56.1
Inferred Resources	12.30	3.60	442.5



Mineral resources are not mineral reserves and have no demonstrated economic viability. The estimate of mineral resources may be
materially affected by mining, processing, metallurgical, infrastructure, economic, marketing, legal, environmental, social and
governmental factors



Open along strike and at depth



Effective Date of Resource Estimate is February 27, 2023.

Please refer to the technical report filed on SEDAR for full details.

The 4 Key Resource Qualities



Size Distribution & Grade				
d Grade	4.14% Cg			
all Recovery	84.2%			
s Recovery	84.5%			
entrate Grade	95.4%			
	Distr.	Grade		
mesh	13%	97%		
mesh	26%	96%		
mesh	9%	94.5%		
mesh	52%	94.9%		
	Distribution & di Grade rall Recovery sentrate Grade mesh mesh mesh mesh	d Grade 4.14 rall Recovery 84. s Recovery 84. centrate Grade 95. Distr. mesh 13% mesh 26% 0 mesh 9%		

SP20 Purification Results				
		PPM	Limit	
	Al	3.4	<20	
ing	Ca	15.1	25.0	
ICP Results Alkaline Roasting (July 2022)	Cr	4.5	<5	
ine F 22)	Cu	0.9	<5	
Alkal ly 20	Fe	16.7	<30	
Jlts / (Jul	Ni	3.9	<5	
Resi	Si	9.8	40	
<u> </u>	Final LOI	99.9	97%	
	PSD (d90:d10)	2.	.6	

Well below (very strict) limits, customers have own specs

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Reserve Estimate

Category	Tonnage (Mt)	Grade (% Cg)	Contained Cg (kt)
Oxide	6.15	4.38	269.5
Fresh Rock	0.28	4.34	12.2
Proven Reserves	6.43	4.38	281.8
Oxide	20.38	4.10	835.5
Fresh Rock	14.12	4.08	576.2
Probable Reserves	34.50	4.09	1,411.1
Total Reserves	40.93	4.14	1,694.7

Feasibility Study Results



2023 FS – 94ktpa			
	Direct	\$136M	
	Indirect	\$25M	
Capex	Contingency	\$17M	
	Owner's Cost	\$6M	
	Total	\$185M	
g.)	Direct	\$545 / t	
Opex (LoM Avg.)	Transport	\$40 / t	
(Lo	Total	\$585 / t	
	Avg. Selling Price	\$1,400 / t	
" ×	NPV _{8%}	\$218M	
Results (Post-Tax)	IRR	25%	
F 9	Pay-Back	3.2 years	
	Mine Life	17 years	

Source	e: 2023 Lola Feasibility Study
1.	All monetary amounts in USD

	Sensitivity Analysis					
	Price \$1,120 \$1,260 \$1,400 \$1,540 \$1,683					
-Tax)	Avg. CFO	\$36M	\$45M	\$53M	\$62M	\$71M
Sensitivity (Post-Tax)	NPV _{8%}	\$78M	\$148M	\$218M	\$287M	\$357M
Sensiti	IRR	15%	20%	25%	29%	33%

Highlights

- Construction period of 14 months, followed by 3 months commissioning and 3 months ramp-up
- Simple, open pit mining of 2.5Mtpa of oxides and fresh rock
- Low LoM average strip ratio of 0.88
- Processing flow sheet based on conventional flotation circuit
- Export route by road through Liberia
- Concentrate divided into 4 standard-size fractions (+48 mesh, -48 + 80 mesh, -80 +100 mesh, and -100 mesh)



Capital and Operating Costs



Pre-Production Capital Costs			
Mining	\$8M		
Process Plant	\$62M		
Tailings & Water Management	\$4M		
Site Infrastructure	\$11M		
Power Plant & Distribution	\$36M		
Preliminary & General	\$16M		
Total Direct Costs	\$136M		
Indirect	\$25M		
Owners Costs	\$6M		
Contingency	\$17M		
Total	\$185M		

Operating Costs (US\$/t)			
Mining (contract mining)	\$171		
Process	\$323		
Site General & Administrative	\$51		
Direct	\$545		
Concentrate Transportation to Port	\$40		
Total FOB Monrovia	\$585		
Sustaining Capital Costs	\$63		
All-in Sustaining Costs	\$648		



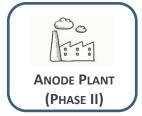
Key Focus Areas & Opportunities





- Increased plant production to 100ktpa graphite concentrate (from 50ktpa in 2019 FS)
- NI 43-101 compliant Feasibility Study ("FS") completed in March 2022
- Solicited EPC proposals for mine development, aim to reduce development capital





- Development & engineering of the flow sheet underway, develop Anode Plant FS
- Cornerstone offtake discussions
- Advance discussions to secure plant location in Morocco





- * Falcon redomiciliation to United Arab Emirates completed in Q2 2024
- Financing & strategic discussions underway for mine (Phase I) and anode plant (Phase II)
- Fiscal framework discussions underway (focused on government support)





- Deepen relationships with local, regional and national authorities
- * Negotiate connection of Lola Graphite Project to national power grid and export permits
- Negotiate fiscal framework with the Republic of Guinea
- * Refresh Liberia three-party agreement to export concentrate



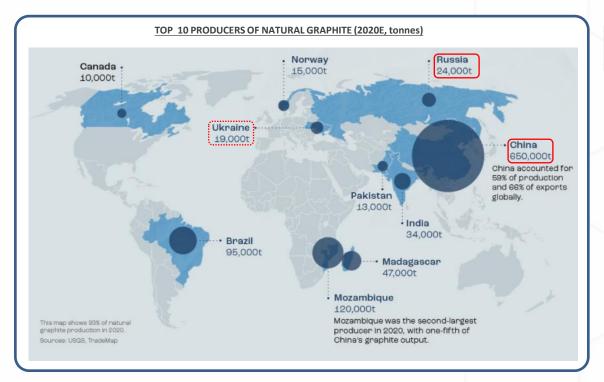
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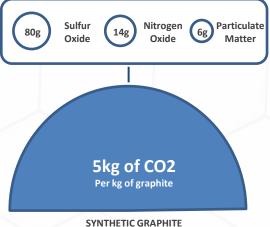
2024 Will be a Pivotal Year for Falcon



Synthetic vs. Natural Graphite









NATURAL GRAPHITE



SYNTHETIC GRAPHITE

Produced by high temperature treatment of petroleum coke and coal tar



NATURAL GRAPHITE

Produced by mining naturally occurring mineral deposits



Water and air pollution due to graphite dust from factories



Environmental and health hazards from chemical usage; Sulfur oxide and nitrogen oxide emissions from synthetic graphite plants

Source: Washington Post

Focus Expected to Shift to Cost and Reduced Carbon Footprint



Flake Size Distribution Comparison



