



Sustainable Competitive Advantage





Giant and exceptionally high-grade Indicated and Inferred Mineral Resource of **229 Mt @ 28.9%** TGC¹ with low mining costs.



Ultra-High Purity Fines (UHPF) at up to 99.9992% C "five nines" achieved for advanced industrial uses³.



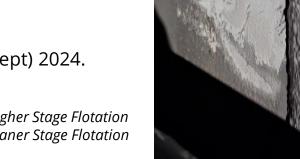
Uncoated Spherical Purified Graphite (USPG) lithium-ion battery performance superior to synthetic graphite⁴.



Kazakhstan is an established mining jurisdiction ideally located between the largest battery manufacturers in Europe and China.



Pre-Feasibility Study (PFS) scheduled for completion by Q3 (July-Sept) 2024.

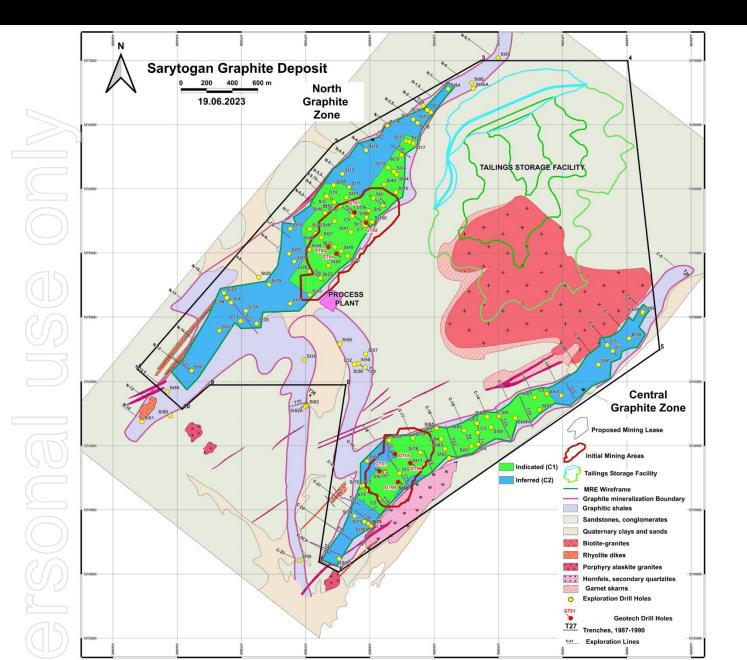


Refer: 1ASX 27/3/23, 2ASX 7/12/23, 3ASX 5/3/23, 4ASX 8/2/23

Front Cover: Rougher Stage Flotation This Slide: Cleaner Stage Flotation

The Project - Mineral Resource and Preliminary Mine Layout





Zone (>15% TGC)	JORC ¹ Classification	ln-Situ Tonnage (Mt)	Total Graphitic Carbon (TGC %)	Contained Graphite (Mt)
North	Indicated	87	29.1	25
	Inferred	81	29.6	24
	Total	168	29.3	49
Central	Indicated	39	28.1	11
	Inferred	21	26.9	6
	Total	60	27.7	17
Total	Indicated	126	28.8	36
	Inferred	103	29.1	30
	Total	229	28.9	66

- Graphitic shales enriched by contact metamorphism from intrusion of granitic dome
- Micro-crystalline graphite sets Sarytogan apart from traditional vein, flake and amorphous.
- Mineral Resource is vast; project size will be determined by the market, not the resource

The Project - Grade is King



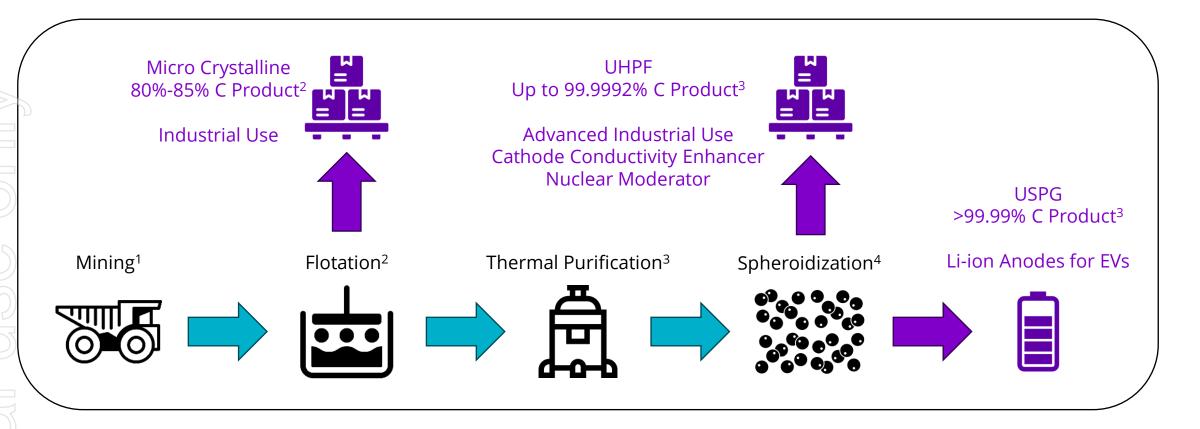
Hypothetical	Mine A	Mine B	
Grade	10%	30%	
Strip Ratio (W:O)	3:1	0.2:1	
Process, Product	same	same	
Mining Costs	\$ 10X	\$ X	
Flotation Costs	\$ 3Y	\$ Y	

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This example is hypothetical only and provided to illustrate the effect of grade and strip ratio on mining economics. There are many other factors that influence mining economics. The examples are not intended to represent the Sarytogan Graphite Deposit or any other graphite deposit.

The Project - PFS Scale and Product Strategy



- 'Inverted flowsheet', purification ahead of spheroidization, produces Ultra-High Purity Fines (UHPF)
- The PFS will study 3 proposed graphite products totalling about 50,000 tpa
- Strategy is small and modular, giant Mineral Resource allows future replication
- All flowsheet elements and product uses have now been demonstrated by test work

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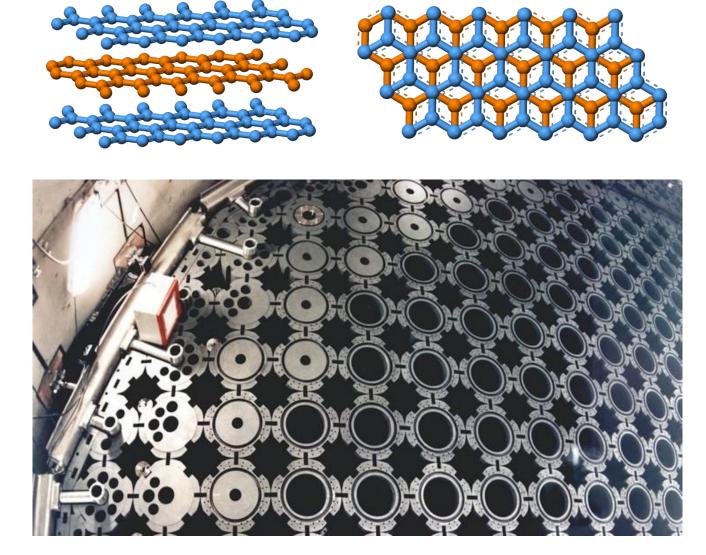
The Project – Advanced Industrial Markets



Tight packing of micro-crystalline graphite layers (<0.336 nm) is why Sarytogan Graphite is suitable for:

Traditional uses such as dry lubricant¹

- Cathode conductivity additive in primary alkaline and lithium batteries²
- Nuclear moderator with Equivalent Boron Content (EBC) of only 1.1ppm³
 Anodes in lithium-ion batteries⁴

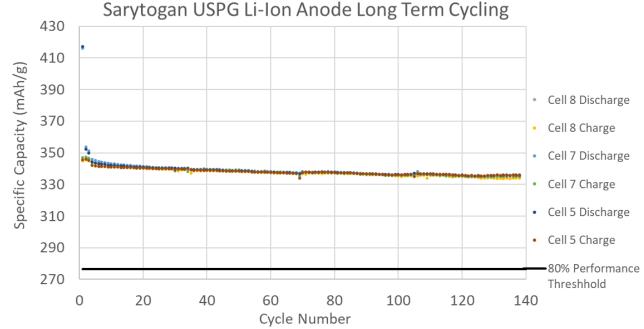


The Project – Battery Performance Demonstrated



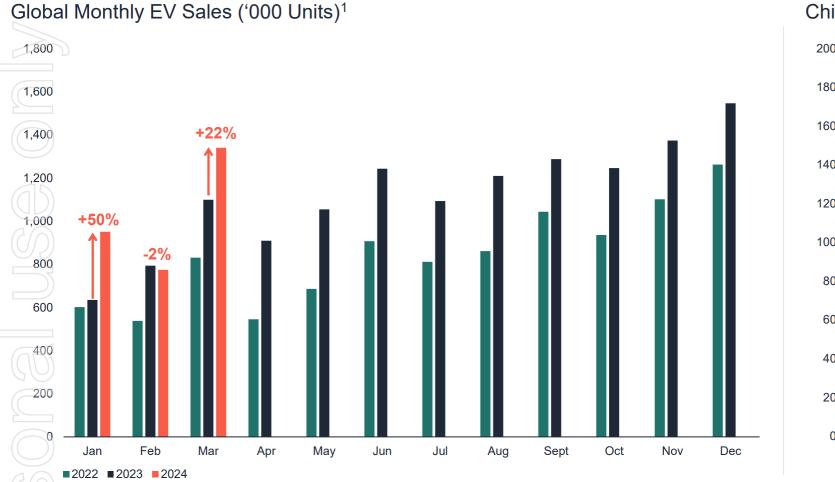


- Coin-cell lithium-ion batteries have been manufactured from Sarytogan USPG.
- Consistently superior capacity compared to many synthetic graphite anodes for EVs¹.
- Results of Coated Spherical Purified Graphite (CSPG) testing imminent.

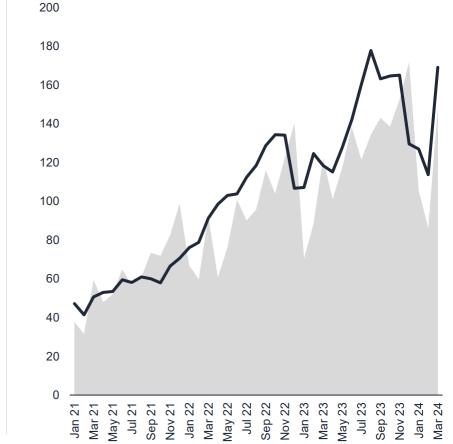


The Market – Electric Vehicle Demand Keeps Growing





China Monthly Anode Production (kt)²



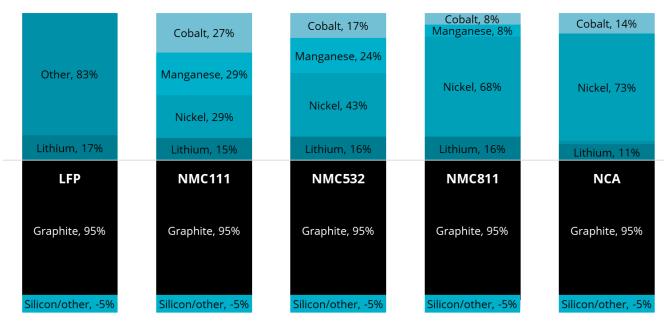
The Market - Graphite is the major raw material in all EV battery types



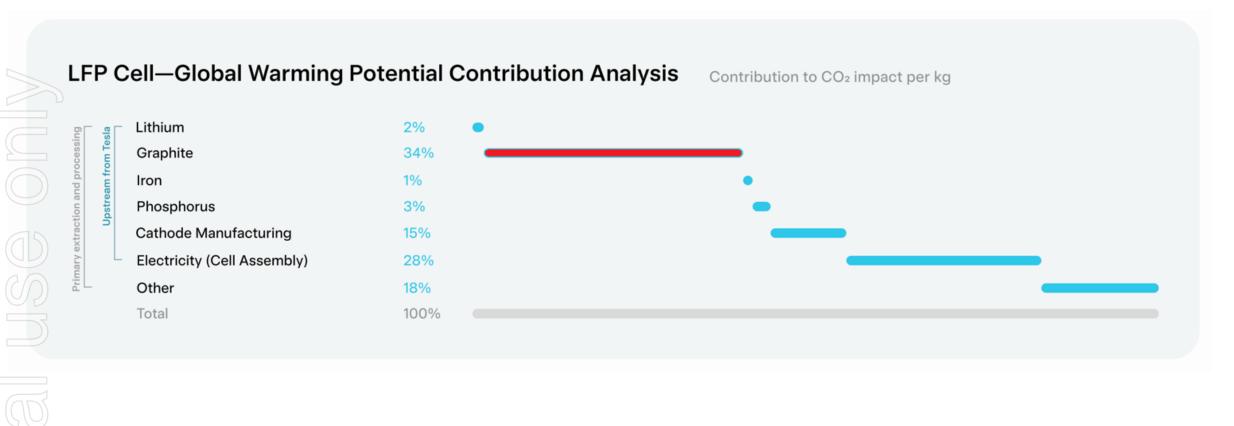
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- Graphite is the major raw material in EV batteries.
- The EV battery anode is always graphite, regardless of battery chemistry.
- Silicon is limited to 5% as any anode performance gains are not matched on the cathode



The Market - Environmental Driver

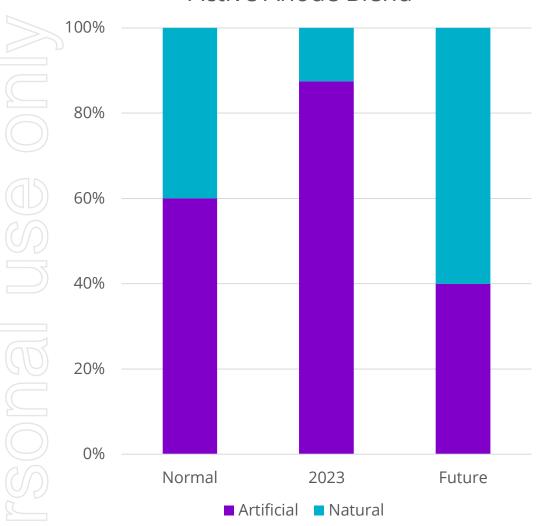


- Environmental regulation will continue to tighten. E.g. EU Battery Passport
- Graphite is a focal point to reduce the CO² footprint of the EV battery

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Active Anode Blend

- Natural graphite has been created by geological forces over millennia.
- Artificial graphite requires expensive and CO₂ intensive treatment of fossil fuel by-products.
- China rapidly expanded synthetic graphite production in 2023 to meet EV demand.
- Policies will mature and insist on greener, lower-cost and high-quality natural graphite.
- Natural graphite demand will be supercharged as a growing proportion of a growing market.

The Market - 6.5X Natural Graphite Growth Forecast



HOW MANY MINES DO WE NEED?

As the lithium ion battery revolution gains momentum, **Benchmark** forecasts just how many mines need to be built to keep up with the exceptional volumes of demand for key raw materials expected by 2035.





Natural Graphite



Average Mine/Plant Size

56,000 t

No. of Mines/ Plants Needed

The Market - Geopolitics



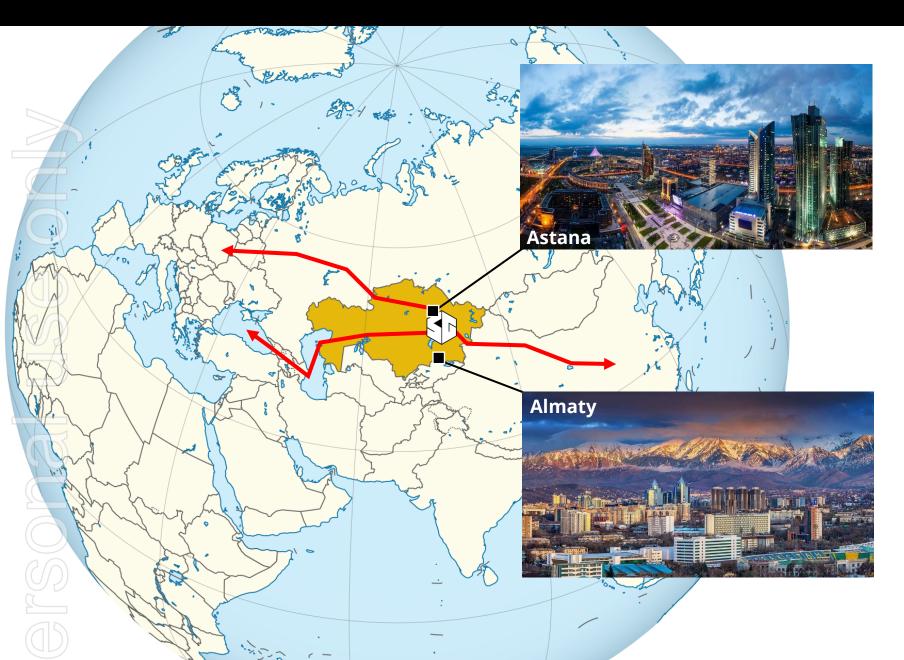
USA Inflation Reduction Act 1/1/2027 Tax credits for EVs with majority of battery minerals from FTA countries & nil China China Export Limits1/12/2023Dominate 70% of graphite mining &90% of anode value add1

Source: ¹Benchmark Minerals Intelligence 20/10/23

EU Battery Passport 1/2/2025 QR code database of provenance & CO² footprint for all large batteries

Kazakhstan - Mining on the One Belt, One Road





Key Economic Facts

- Top 50 GDP US\$290Bn
- Population 20M
- US\$370Bn in Foreign Investment post USSR

Favorable Taxation:

- Corporate income tax: 20%
- VAT 12%
- Mineral royalty: 3.5%
- Other taxes: 1.5%

Affordable containerized rail to Europe and China.

Kazakhstan – Established Mining Jurisdiction





Kazakhstan - Regional Infrastructure Advantages



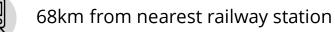


170km by highway to the large city of Karaganda



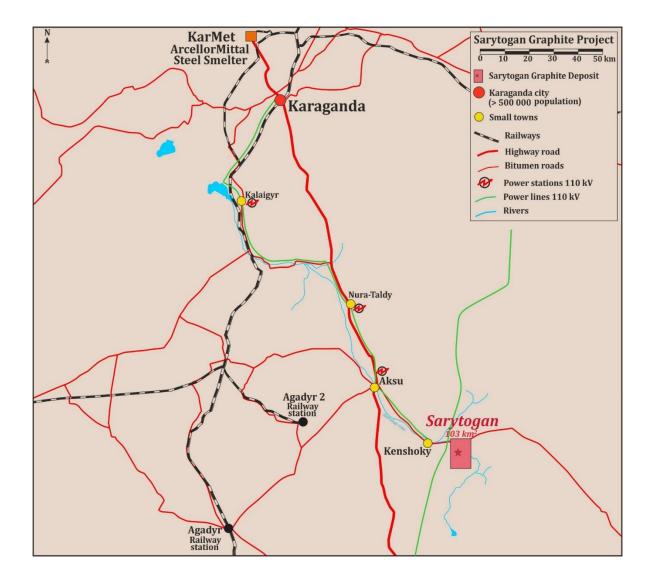
6km from bitumen road to project





- Sufficient water supply available
- Skilled local workforce

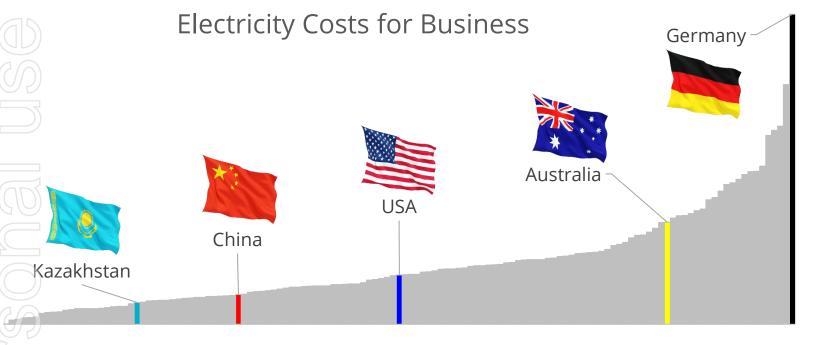




Kazakhstan - Lowest Quartile Power Costs Including Renewables



- Kazakhstan's power cost is in the lowest quartile globally
- 110 kV powerline 2 km from the project (pictured)
- 35 kV powerline 15 km from the project
- 50 MW Solar farm is 100 km from the project (pictured)



133 countries - December 2022 - data source <u>www.globalpetrolprices.com</u> - includes power, distribution and taxes



Development Work Program



	2023		20	24		2025
Milestone		Q1	Q2	Q 3	Q4	
Mineral Resource upgrade	\checkmark					
Land access agreement	V					
Geotech and hydro drilling	\checkmark					
Bulk concentrate production	\checkmark					
Spheroidization tests	\checkmark					
Battery performance tests			\checkmark			
Pre-feasibility study						
Maiden Ore Reserve						
Mining lease application						
Definitive Feasibility Study						
Marketing discussions						

Corporate Overview and Value Proposition





Stephen Penrose Non-Executive Chairman





Sean Gregory Managing Director B.Sc.(Hons), MBA



Dr. Waldemar Mueller Technical Director PhD, MAusIMM



Brendan Borg Non-Executive Director B.Sc., MSc, MAusIMM lan Hobson Company Secretary B.Bus, FCA, G. Dip. (C. Gov.)



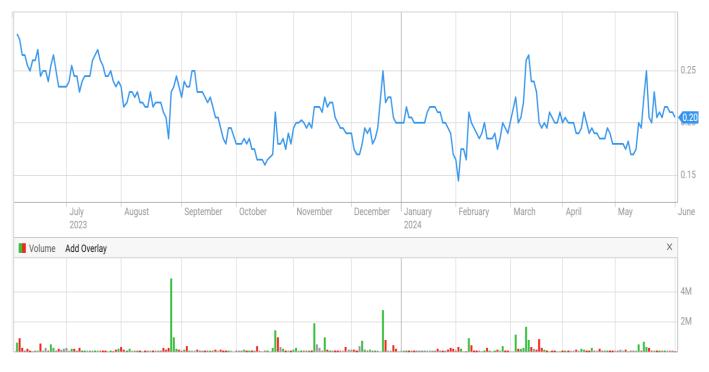
Chief Financial Officer

CPA GAICD



Local Leadership Kazakhstan Team

Capital Structure		
Shares on Issue (Undiluted)	148.7M	
Director Interests	36%	
Options (25c, 49.5c, 60c, expiry '24, '26, '28)	45.2M	
Performance Shares and Perf. Rights	22.1M	
Market Capitalisation – Undiluted at 20c	\$29.7M	
Cash – 31 March 2024	\$3.9M	
Enterprise Value	\$25.8M	
<i>90</i>		



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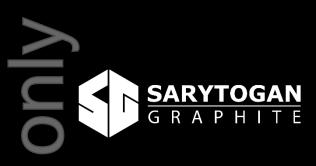
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Compliance Statement

The information in this report that relates to JORC estimates of Mineral Resources was first published on the ASX on 27/3/23. The information relating to Exploration Results was first reported in ASX Announcements as cross referenced on the relevant slides. These reports are available at www.asx.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in relevant market announcements and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original market announcements.



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