

## Kingsland Minerals to present at the Resources Rising Stars Gold Coast Investor Conference

**Kingsland Minerals Limited** (ASX: **KNG**) ("KNG" or the Company) is pleased to advise shareholders and investors that Richard Maddocks will present at the Resources Rising Stars Gold Coast Investor Conference, being held on Wednesday 4<sup>th</sup> September 2024, 11:45am ADEST / 9:45am AWST.

Managing Director Richard Maddocks will provide an update on the exploration activities at the Leliyn Graphite Project in the Northern Territory.

The Conference will be live-streamed and shareholders and investors can attend either in-person or virtually via the Conference Livestream. There is no charge to attend either the live-stream or in-person event for investors, however registration is essential.

**Conference location:** RACV Royal Pines Resort, Ross St, Benowa QLD 4217

**Registration details:** [www.rrsinvestor.com](http://www.rrsinvestor.com)  
(In-person and online)

A recording of the presentation will be sent to all registered attendees shortly after the conclusion of the presentation via the Online Conference platform, and an edited version will be released on the Company's website and other platforms after the event.

It is recommended that online investors pre-register prior to the commencement of the presentation.

A full Conference program can be downloaded from here - [Program | Resources Rising Stars \(rrsinvestor.com\)](http://www.rrsinvestor.com)

**Authorised for release by the Company Secretary.**

For more information, please contact:

Bruno Seneque  
Company Secretary  
+61 (08) 9381 3820

**Kingsland Minerals**  
T: +61 (08) 9381 3820  
E: [info@kingslandminerals.com.au](mailto:info@kingslandminerals.com.au)  
W: [kingslandminerals.com.au](http://kingslandminerals.com.au)

ASX: **KNG**



**KINGSLAND**  
MINERALS

**Developing  
Australia's Largest  
Graphite Deposit**

**4 September 2024**

**Resources Rising Stars Gold Coast**

# Important

**Nature of this document:** The purpose of this presentation is to provide general information about Kingsland Minerals (ACN 647 904 014) (the 'Company'). Unless otherwise stated herein, the information in this presentation is based on the Company's own information and estimates as of the date of this presentation. In attending this presentation or viewing this document you agree to be bound by the following terms and conditions.

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## Why invest in Kingsland Minerals?



Kingsland 100% owns the Leliyn Graphite Project in the NT which hosts Australia's largest graphite deposit



Graphite flake concentrate >94% TGC, ideal for battery anode material



Graphite market forecast to move into deficit on demand from lithium batteries for electric vehicles and storage capacity



China introduced export controls for graphite products from 1 Dec 2023



Market cap at just \$12.3m (20c), \$1.3m cash (June 2024), EV \$11m, strong news flow from upcoming metallurgical test-work and infill drilling

## Maiden Mineral Resource Estimate

**Leliyn is the largest graphite deposit in Australia – with upside**

Inferred Mineral Resource Estimate

**194.6mt @ 7.3% TGC containing 14.2mt of graphite**

**Leliyn is Australia's largest graphite deposit and is a globally significant deposit**

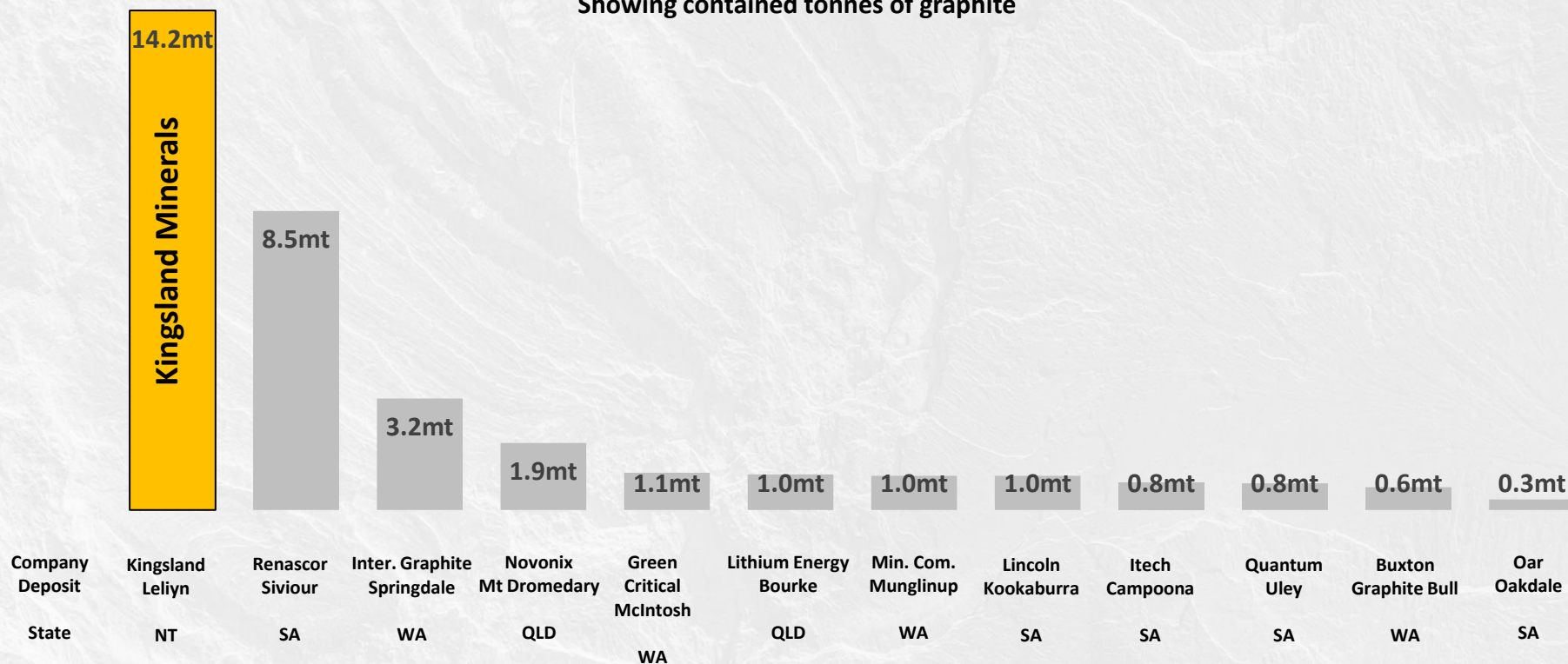


## Australian Graphite Deposits

Leliyn is the largest graphite deposit in Australia – **with upside**

# Australian Graphite Deposits

Showing contained tonnes of graphite

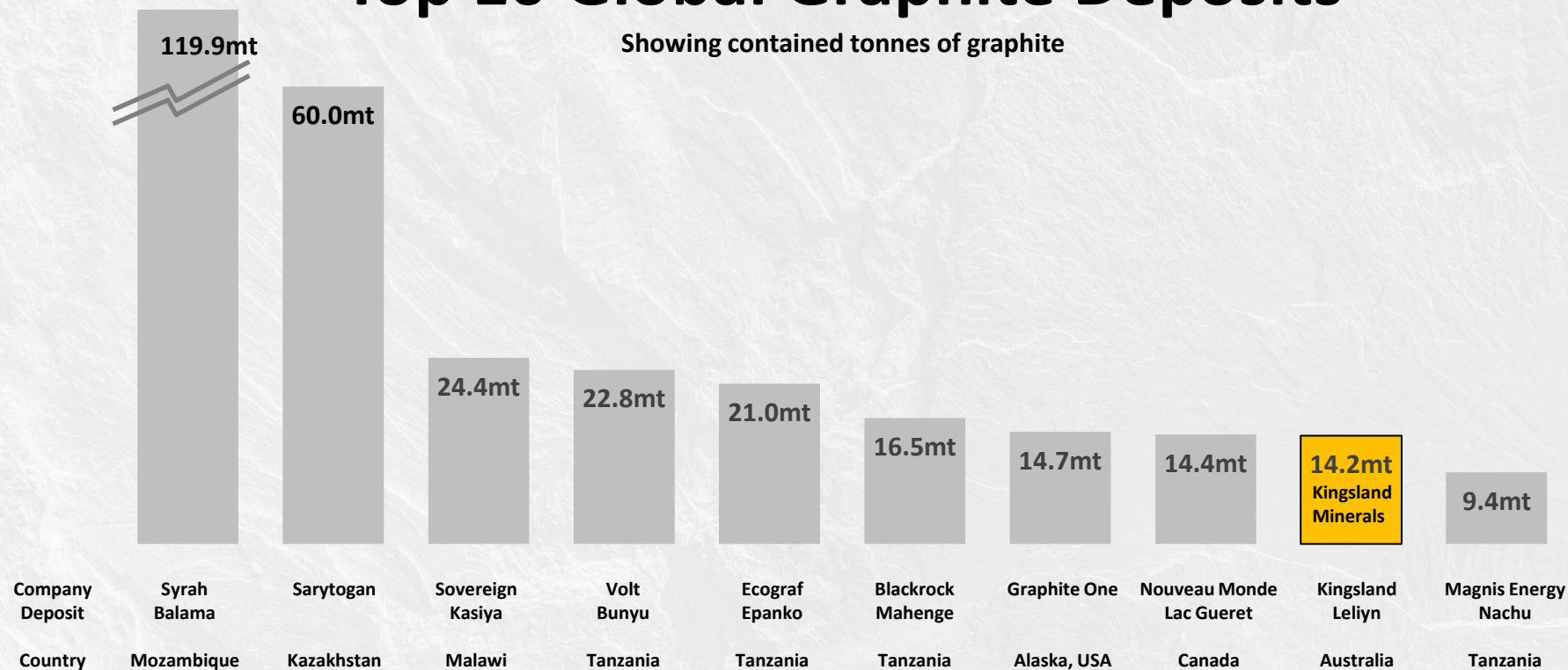


## Global Graphite Deposits

Leliyn is a globally significant graphite deposit – **with upside**

### Top 10 Global Graphite Deposits

Showing contained tonnes of graphite



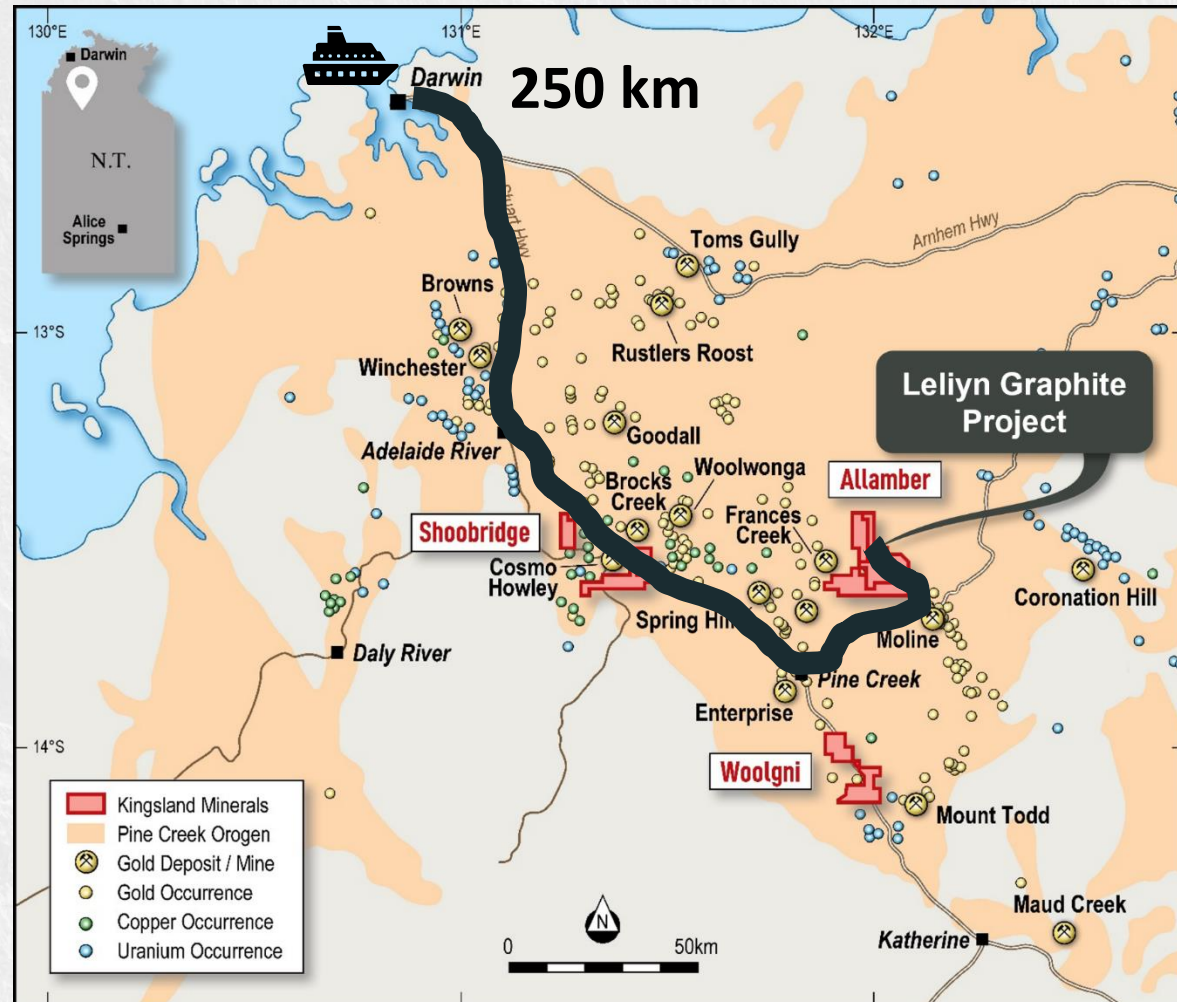


## Excellent Location

Excellent location in the Pine Creek mining district (PCO)

**250km** from Darwin Port with rail/road access

Existing infrastructure with a long history of mining and exploration



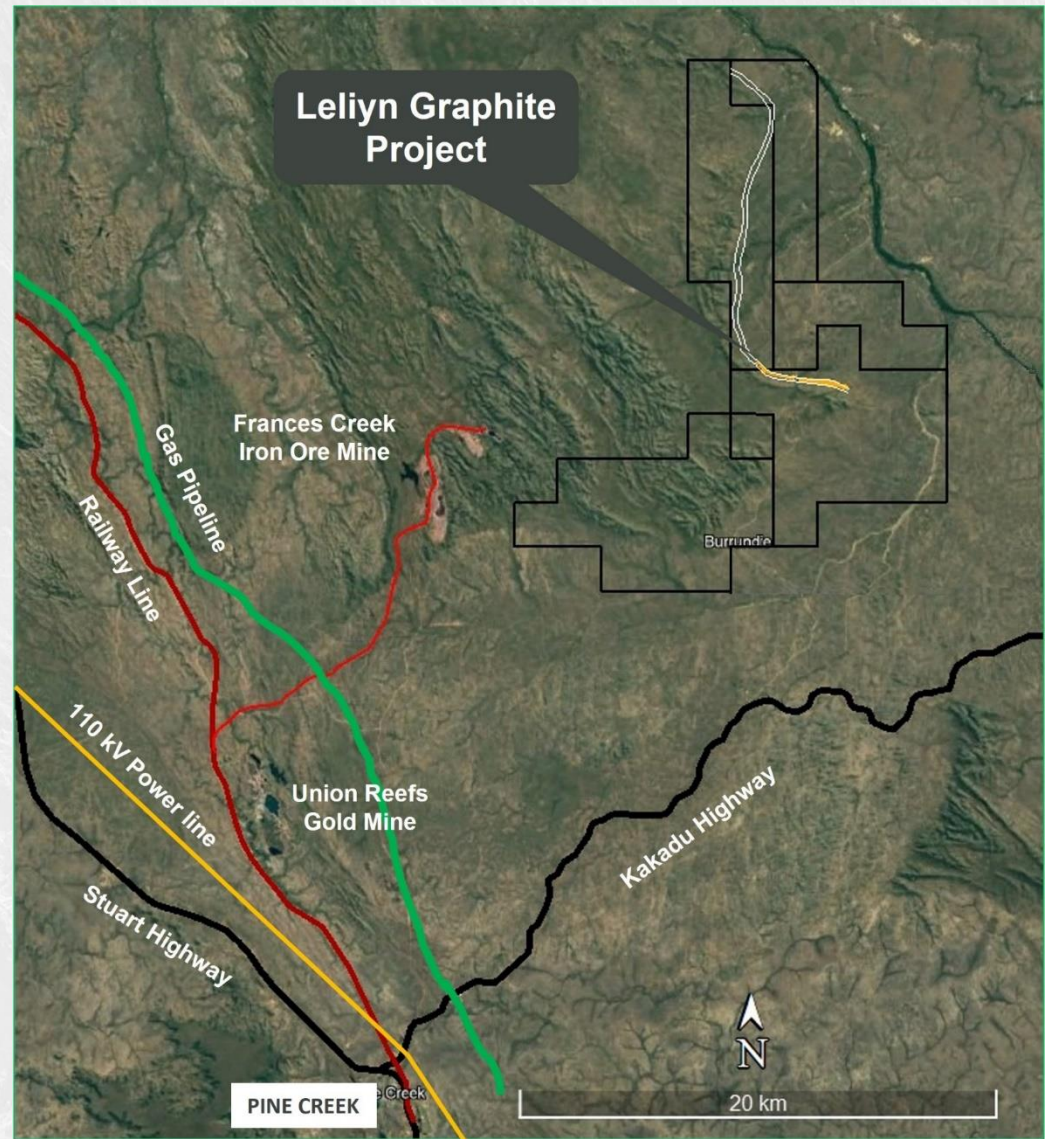


## Infrastructure in Place

### Existing Infrastructure

- ✓ Rail loading area used for Frances Creek Iron Ore Mine in 1970's
- ✓ Haulage road from Frances Creek to rail loading area.
- ✓ Sealed Kakadu and Stuart Highways
- ✓ 110 kV power line
- ✓ Gas pipeline
- ✓ Pine Creek, accommodation, fuel etc

Frances Creek Iron Ore Mine not an asset of Kingsland Minerals Ltd





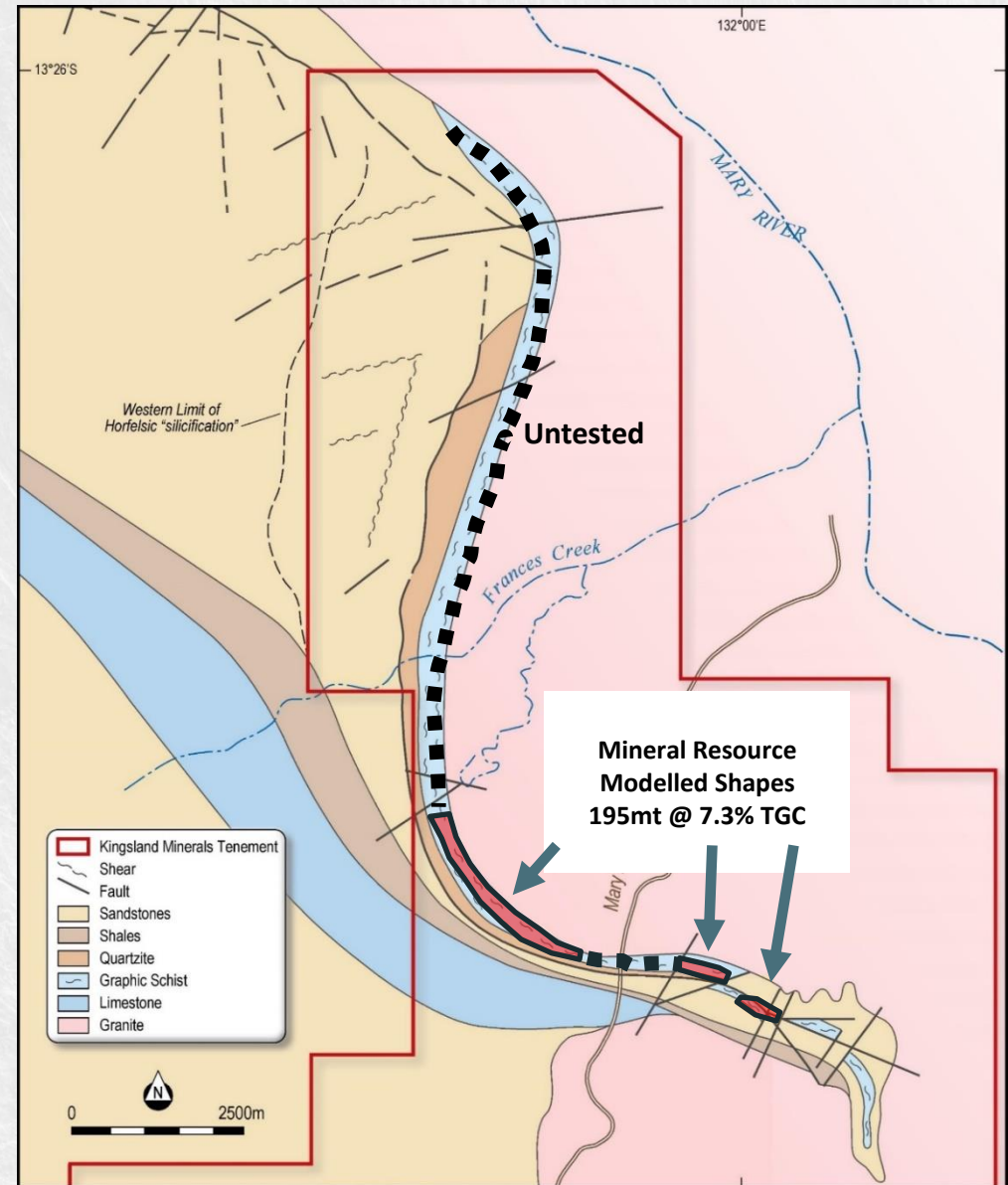
## Leliyn Mineral Resource Estimate

**Inferred Mineral Resource  
194.6mt @ 7.3% TGC containing  
14.2mt graphitic carbon**

Considerable upside along strike  
for additional resources

Only **25%** (4.7km) of total graphitic  
schist unit has been drilled. **75%**  
**(13.5km)** remains **untested**.  
**Considerable upside to  
significantly increase mineral  
resource tonnage.**

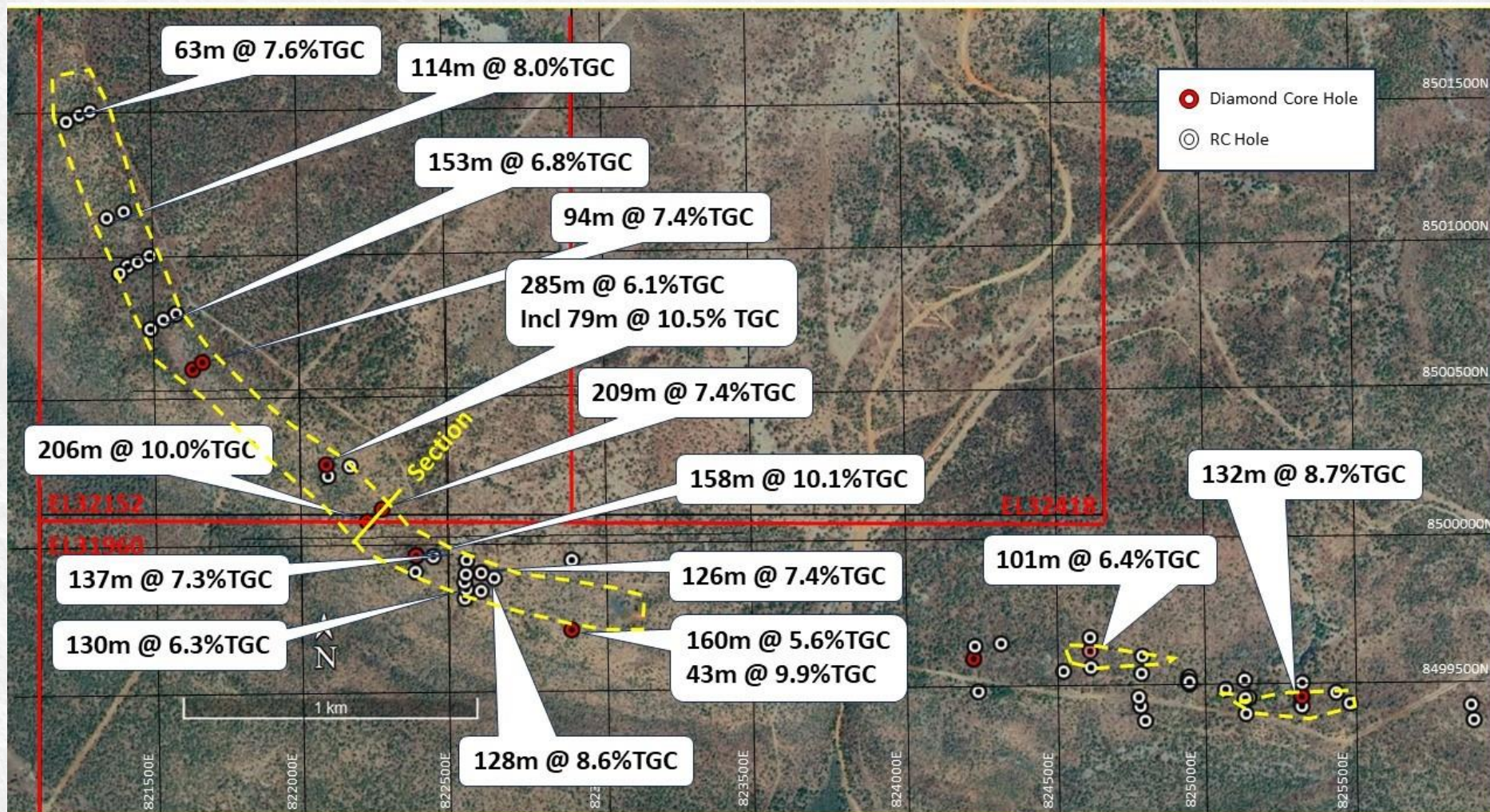
Ability to optimise flake  
characteristics within remaining  
~14km of strike





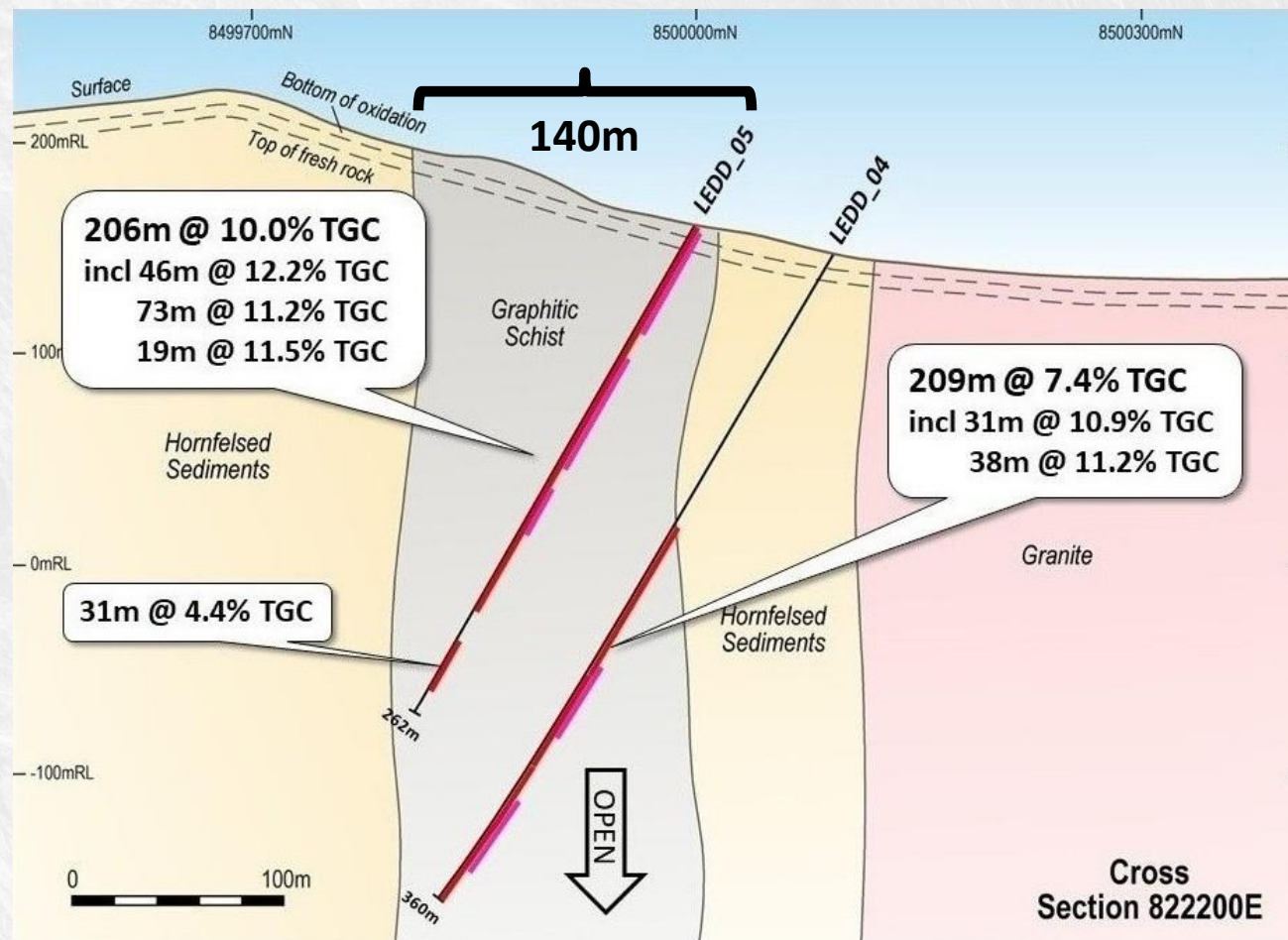
# Leliyn Graphite

## Mineral Resource Area with drilling to date and location of cross-section





## Leliyn Graphite

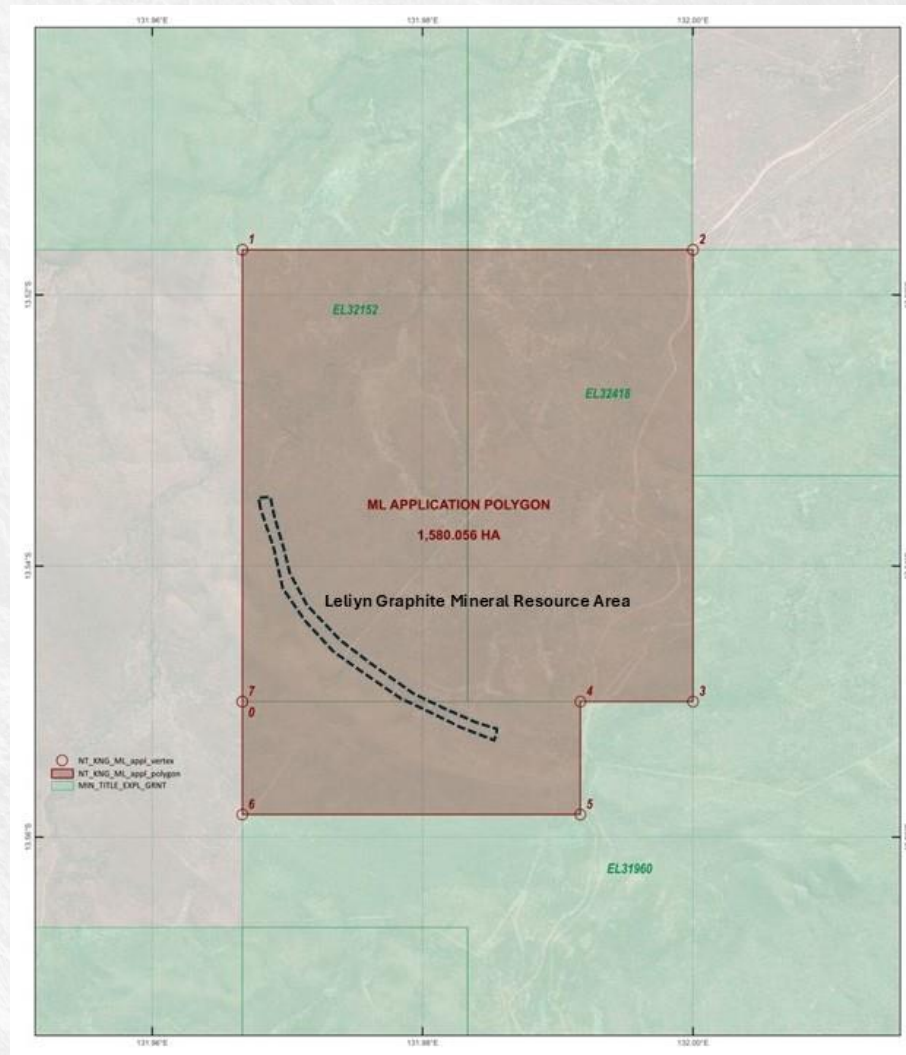


Outcropping mineralisation up to >100m wide on surface

Amenable to very efficient and productive open pit mining techniques with very low strip ratio

Continuous along strike and at depth

## Leliyn Graphite – Mining Lease Application



Mining lease application submitted

Area of 1,580 hectares

Sufficient area for potential mine,  
processing plant, waste dumps,  
tails dams and other infrastructure

Negotiations with Native Title  
claimants

Flora and fauna surveys

Heritage, archaeological surveys

Ground and surface water studies



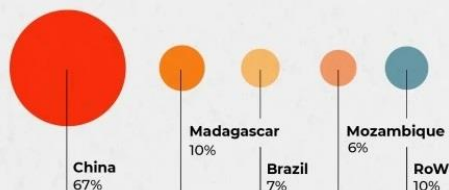
# Graphite Supply

China dominates supply of graphite products – **time to diversify**

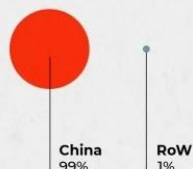
## Natural Graphite Anode

Source: Benchmark's Natural Graphite Forecast

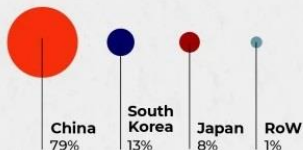
### Mined graphite



### Spherical graphite



### Natural graphite anode



### Natural graphite supply chain

**75%**

Tonnes per annum  
(weighted 2023 supply)

### Feedstock Supply



### Value Add Supply



### Anode Active Material Supply



Source: Benchmark's  
Anode Forecast

**China's Dominance**  
% of supply chain in China



Graphite market controlled by ONE main supplier – China

**67% of raw flake graphite**  
**99% of spherical graphite**  
**79% of natural graphite anode**

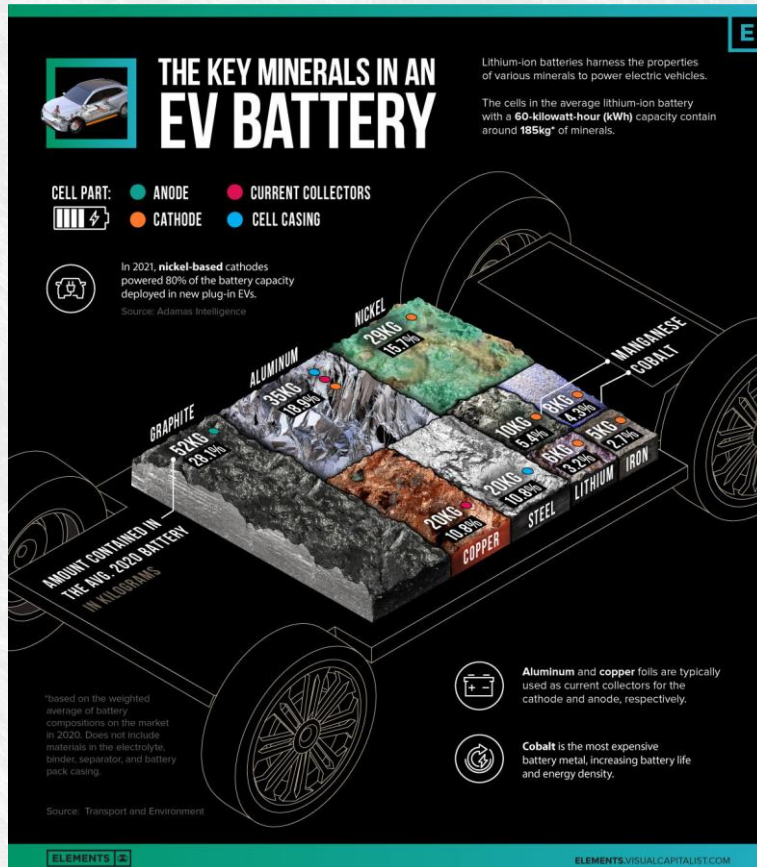
China introduced export controls for graphite products on 1 December 2023

Market now diversifying and seek ex-China natural and processed graphite sources



# Graphite Demand driven by Electric Vehicles

EU, UK, China ban ICE by 2035 | 10% of new car sales in Aust are EV's<sup>1</sup>



Typical EV battery contains:

**52kg Graphite**  
35 kg Aluminium  
29 kg Nickel  
20 kg Copper  
20 kg Steel  
10 kg Manganese  
8 kg Cobalt  
6 kg Lithium  
5 kg Iron

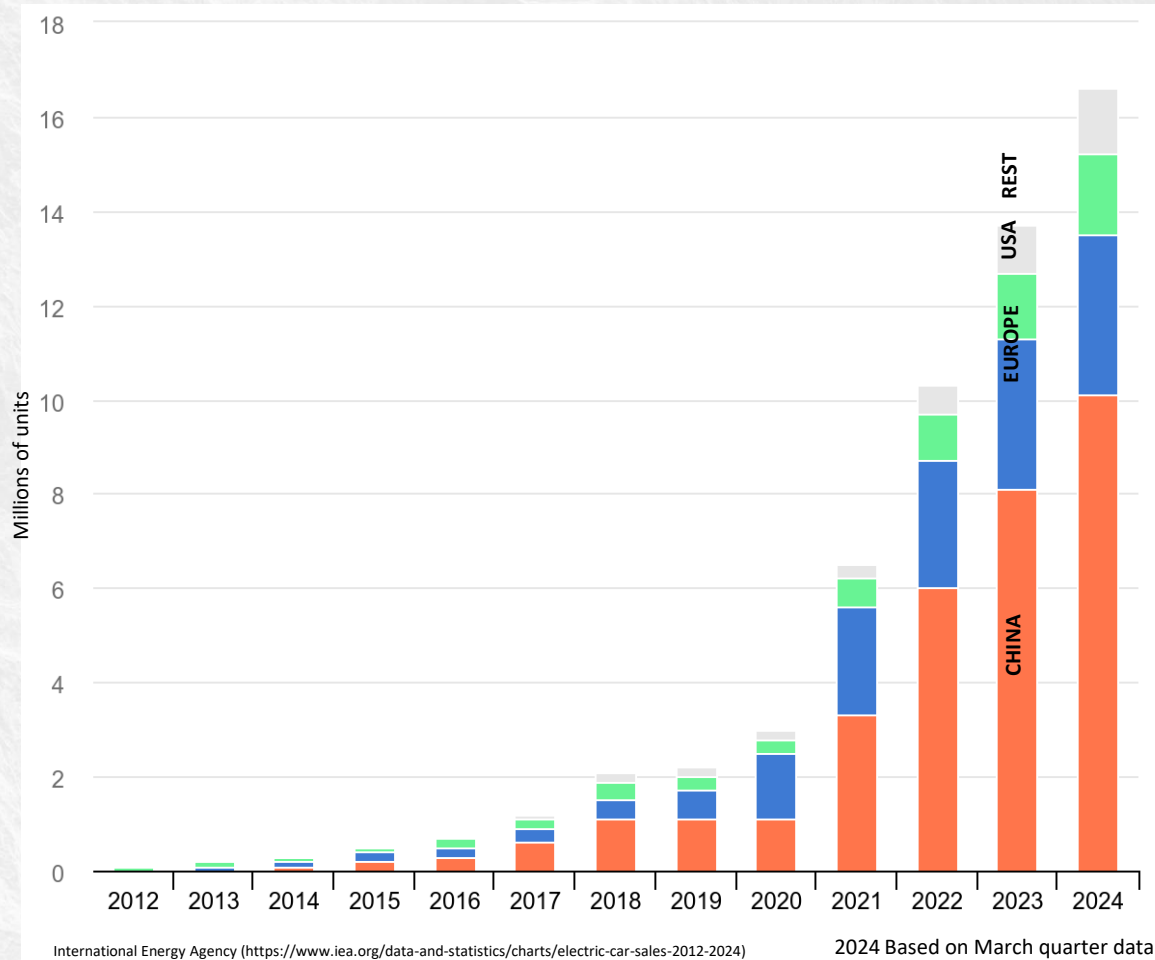
There is more graphite than anything else

Graphite demand will be driven by EV battery use. Internal combustion engines (ICE) phased out by 2035 in EU, China and UK

1) 10% of all vehicles in March 2024, 20% of passenger vehicles (NRMA)

## Graphite Demand driven by Electric Vehicles

EV's driving demand growth – **demand to outstrip supply**



Future Graphite demand linked to EV sales growth and domestic battery supply

To date, China has largely driven EV growth.

As range, charge times and charging infrastructure improve open market economies will catch up



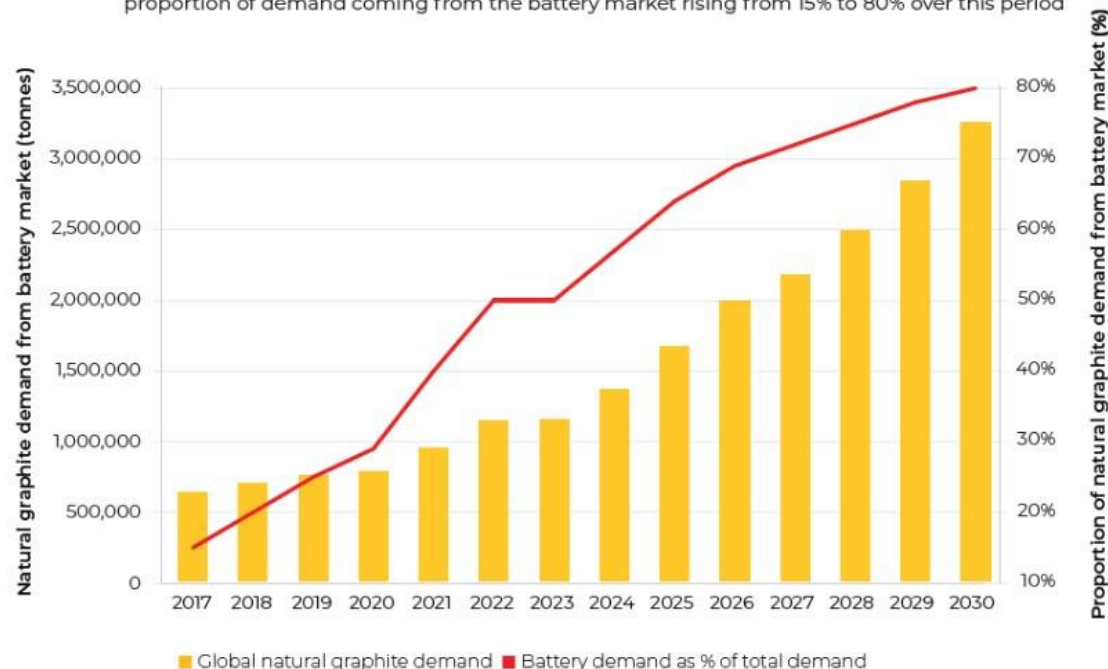
## Graphite Demand driven by Electric Vehicles

EV's driving demand growth – **demand to outstrip supply**



### The battery market is the key demand driver for natural graphite

Global demand for natural graphite is forecast to rise 5x between 2017 and 2030, with the proportion of demand coming from the battery market rising from 15% to 80% over this period



SOURCE: BENCHMARK NATURAL GRAPHITE FORECAST Q1 2024



Battery market to grow from current ~55% of total graphite demand to 80% in 2030.

Increased demand combined with supply limitations will lead to increased prices for flake graphite

USA tariffs (25%) on flake graphite delayed two years due to lack of ex-China supply options for IRA compliant production



# Graphite Supply

China dominates supply of graphite products – **time to diversify**

## Chinese companies are involved in significant proportions of critical mineral mining

Proportion of 2024 critical mineral mining in which Chinese companies are involved through equity



\*Supply outside of China but involving a Chinese company

SOURCE: BENCHMARK MINERAL INTELLIGENCE FORECASTS

BENCHMARK

Benchmark Mineral Intelligence 2024

Out of all battery mineral inputs Graphite is the one most concentrated by a single supplier

Chinese EV vehicle tariffs:

USA 100%

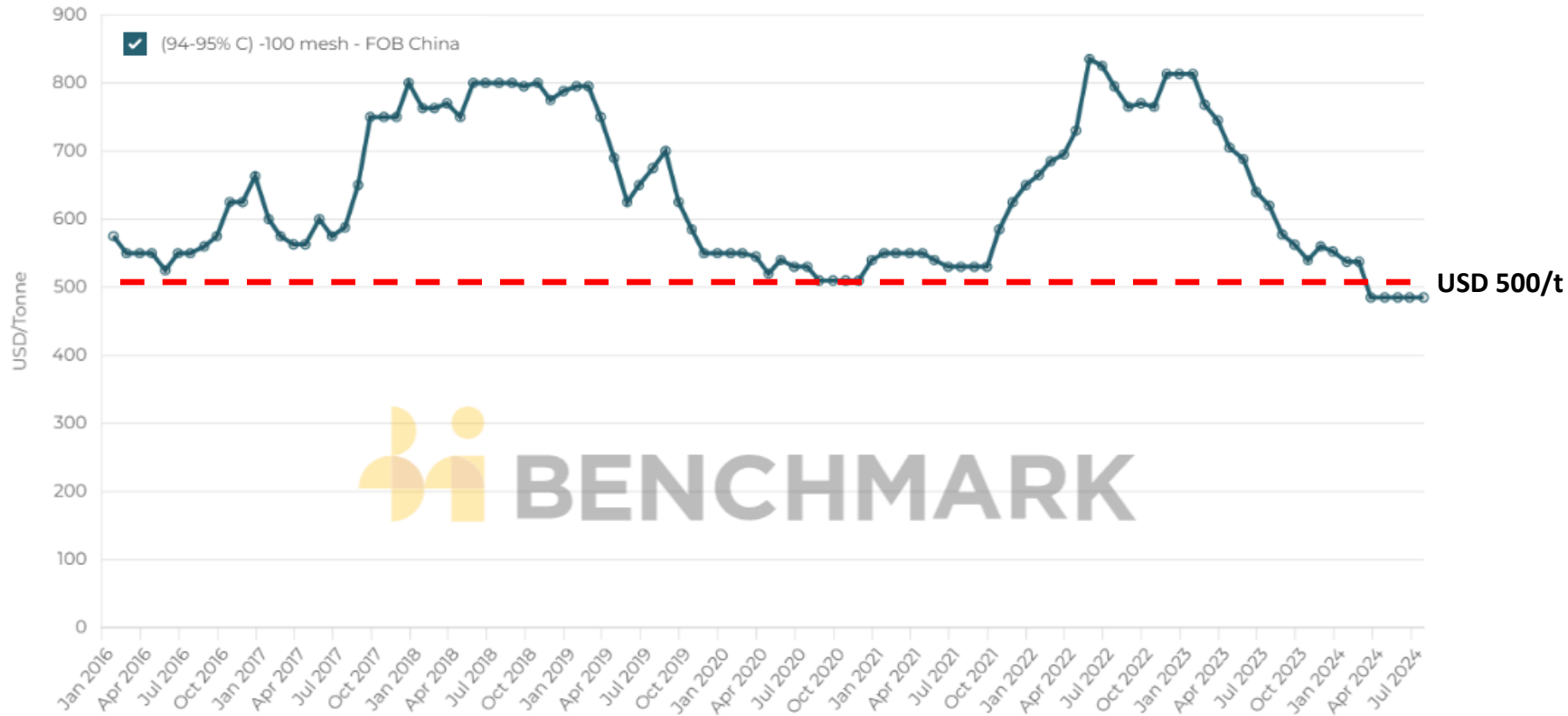
Canada 100%

EU 19-46%

USA to introduce 25% tariff on imported graphite products from FOEC (foreign entities of concern) from 2026

# Graphite Price

Somewhat cyclical – appears to be a USD500/t floor



## Leliyn Graphite Metallurgical Test-work

**Flotation test-work has produced a commercial grade concentrate >94% TGC**

Important milestone as proves that Leliyn can produce a marketable product

Test-work ongoing to optimise flotation flowsheet





## Leliyn Graphite Metallurgical Test-work

**Bulk concentrate sample  
currently being produced from  
150kg of drill core**

This sample will be sent to  
Germany for test-work to produce  
purified spherical graphite.

Results expected first half of 2025.

**Working with CSIRO to  
investigate variability of graphite  
throughout deposit**

Co-funded study under the CSIRO  
Kick-Start program.



94% TGC concentrate

## Leliyn Market Access

**Leliyn is perfectly located – with access to Darwin and International markets**



### Stage 1:

Deliver flake graphite concentrate to Darwin at as low a price as possible with targeted superior ESG credentials

### Stage 2:

Downstream processing in Darwin to produce refined graphite products for consumption in Australia and/or overseas

**Leliyn is ideally placed to export graphite products to Asian, North American and European markets**



## ▶ Kingsland Minerals – Going Forward

### ☒ **Maiden Mineral Resource Estimate Leliyn**

- Infill drilling to upgrade to Indicated classification
- 

### ☒ **Marketable concentrate >94%**

- Commercial grade concentrate at 80% recovery
- 

### ☐ **More advanced graphite metallurgy test-work**

- Assess optimal end-use for graphite concentrate, suitability for EV battery use
- 

### ☐ **Mining studies**

- Off-take negotiations
  - Mining lease application
  - Plant flowsheet design
-



# Capital Structure

Listed 14 June 2022



## Top 20 Shareholders



## Major Shareholders

Directors	21.3%
Bacchus Resources Pty Ltd	8.2%
Trafalgar Resources Pty Ltd	6.7%



# Leliyn Graphite



**Significant  
Graphite Deposit**



**Leliyn has scale,**  
Inferred MRE  
of 195mt @  
7.3% TGC



**Leliyn has  
location, NT  
Australia**



**Tier 1 Project  
in a Tier 1  
Location**

## Board of Directors



**Richard Maddocks**

Managing Director, MSc (Mineral Economics), BAppSc (Geology), Grad Dip (Finance & Investment), FAusIMM, GAICD

- Geologist with 30+ years of mining, development and exploration experience
- Geology Manager of large gold and nickel mines
- Experienced in business development, asset identification and resource estimation.



**Bruno Seneque**

Director, CFO, Company Secretary  
B Bus, CPA

- Corporate finance professional with 25+ years of experience
- Focused career of 23 years in the minerals industry
- Previously director of ASX listed Kairos Minerals operating in Pilbara of WA
- Significant experience as CFO of ASX listed explorers & mineral producers.



**Nick Revell**

Technical Director, BAppSc (Geology) MAIG

- Geologist with 30+ years mining and geology experience
- Significant experience in production and exploration of gold, base metals and uranium.
- Former director of several ASX listed companies.



## Appendix 1- Australian Graphite Deposits

ASX Code	Deposit	Company	Country	ASX Source	TOTAL MINERAL RESOURCE			Measured			Indicated			Inferred		
					Tonnes	Grade TGC%	Contained Graphite	Tonnes	Grade TGC%	Contained Graphite	Tonnes	Grade TGC%	Contained Graphite	Tonnes	Grade TGC%	Contained Graphite
KNG	Leliyn	Kingsland Minerals Ltd	Australia, NT	ASX announcement 13 March 2024	194,600,000	7.30	14,200,000							194,600,000	7.30	14,200,000
RNU	Sivour	Renascor Resources Ltd	Australia, SA	ASX announcement 14 Sept 2023	123,600,000	6.9	8,500,000	16,900,000	8.60	1,400,000	56,200,000	6.70	3,800,000	50,500,000	6.50	3,300,000
IG6	Springdale	International Graphite Ltd	Australia, WA	ASX announcement 12 Sept 2023	49,300,000	6.43	3,168,300				11,500,000	7.50	862,500	37,800,000	6.10	2,305,800
NVX	Mt Dromedary	Novonix Ltd	Australia, QLD	ASX announcement 20 Oct 2016	14,300,000	13.33	1,905,700	1,000,000	12.90	129,000	8,500,000	13.90	1,181,500	4,800,000	12.40	595,200
GCM	McIntosh	Green Critical Minerals Ltd	Australia, WA	ASX announcement 18 November 2022	23,800,000	4.45	1,058,000				19,200,000	4.44	853,000	4,600,000	4.50	205,000
LEL	Bourke	Lithium Energy Ltd	Australia, QLD	LEL 2022 Annual Report	6,300,000	16.0	1,008,000							6,300,000	16.00	1,008,000
MRC	Munglinup	Mineral Commodities Ltd	Australia, WA	ASX announcement 28 Apr 2023	7,990,000	12.2	973,190				4,490,000	13.10	588,190	3,500,000	11.00	385,000
ITM	Campoona	Itech Minerals Ltd	Australia, SA	ITM 2023 Annual Report	8,550,000	9.01	770,750	320,000	12.70	40,640	1,000,000	9.10	91,020	7,230,000	8.84	639,090
QGL	Uley	Quantum Graphite Ltd	Australia, SA	ASX announcement 14 March 2023	6,900,000	10.98	757,300	800,000	15.60	124,800	4,200,000	10.40	436,800	1,900,000	10.30	195,700
BUX	Graphite Bull (Yalbra)	Buxton Resources Ltd	Australia, WA	ASX announcement 12 October 2022	4,000,000	16.1	644,000							4,000,000	16.10	644,000
LML	Kookaburra	Lincoln Minerals Ltd	Australia, SA	LML 2022 Annual Report	11,750,000	14.95	308,630	390,000	14.90	58,110	10,800,000	14.90	160,920	560,000	16.00	89,600
OAR	Oakdale	Oar Resources Ltd	Australia, SA	ASX announcement 2 Dec 2015	6,320,000	4.70	297,040				2,690,000	4.70	126,430	3,630,000	4.70	170,610

## Appendix 2- Global Graphite Deposits

Ticker Code	Company	Deposit	Country	ASX Source Date	TOTAL MINERAL RESOURCE			Measured			Indicated			Inferred		
					Tonnes	Grade TGC%	Contained Graphite	Tonnes	Grade TGC%	Contained Graphite	Tonnes	Grade TGC%	Contained Graphite	Tonnes	Grade TGC%	Contained Graphite
SYR	Syrah Resources Ltd	Balama	Mozambique	2023 Annual Report	1,035,200,000	11.6	119,930,800	21,200,000	16.90	3,582,800	240,400,000	13.00	31,252,000	773,600,000	11.00	85,096,000
SGA	Sarytogan Graphite Ltd	Sarytogan	Kazakhstan	SGA 2022 Annual Report	209,000,000	28.50	60,000,000							209,000,000	28.50	60,000,000
SVM	Sovereign Metals Ltd	Kasiya	Malawi	ASX announcement 5 February 2024	1,809,000,000	1.37	24,400,000				1,200,000,000	1.50	18,000,000	609,000,000	1.10	6,500,000
VRC	Volt Resources Ltd	Bunyu	Tanzania	VRC 2022 Annual Report	461,000,000	4.95	22,824,000	20,000,000	5.30	1,060,000	155,000,000	5.00	7,750,000	286,000,000	4.90	14,014,000
EGR	Ecograp Ltd	Epanko	Tanzania	EGF Resource Update 11 March 2024	290,800,000	7.2	21,010,000	32,300,000	7.80	2,500,000	55,700,000	7.50	4,200,000	202,800,000	7.20	14,310,000
BKT	Black Rock Mining	Mahenge	Tanzania	BKT 2022 Annual Report	213,100,000	7.74	16,500,000	31,800,000	8.60	2,700,000	84,600,000	7.80	6,600,000	96,700,000	7.40	7,200,000
TSXV:GPH	Graphite One Inc	Graphite One	Alaska, USA	Graphite One PFS 13 October 2022	287,210,000	5.13	14,711,357	4,670,000	5.83	272,205	27,870,000	5.15	1,435,135	254,670,000	5.11	13,004,017
TSXV:NOU	Nouveau Monde Graphite Inc	Lac Gueret	Canada	Announcement 22 January 2024	83,460,000	17.19	14,360,000	19,020,000	17.90	3,400,000	46,620,000	16.90	7,890,000	17,820,000	17.2	3,070,000
KNG	Kingsland Minerals Ltd	Leliyn	Australia, NT	Announcement 17 March 2024	194,600,000	7.30	14,200,000							194,600,000	7.30	14,200,000
MNS	Magnis Energy Technologies	Nachu	Tanzania	MNS 2022 Annual Report	174,000,000	5.37	9,400,000	63,000,000	4.70	3,000,000	61,000,000	5.70	3,500,000	50,000,000	5.80	2,900,000



## Competent Persons Statement

Information regarding the Mineral Resource Estimate for the Leliyn Graphite Deposit is extracted from the report 'Australia's Largest Graphite Resource' created on 13 March 2024. . This report is available to view on [www.kingslandminerals.com.au](http://www.kingslandminerals.com.au) or on the ASX website [www.asx.com.au](http://www.asx.com.au) under ticker code KNG. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, 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 Person's findings are presented have not been materially modified from the original market announcement.

Information regarding drilling and exploration at the Leliyn Graphite Project is extracted from the reports 'Graphite Exploration Target' created on 21 March 2023, 'Outstanding start to maiden drilling program with first holes intersecting 150m of graphitic schist' created on 25 May 2023, 'First assays reveal extensive high-grade graphite' created on 15 June 2023, 'Latest assays reveal more extremely wide intersections with high grades' created on 24 July 2023, 'First diamond core assays confirm high grades over big widths' created on 22 August 2023, 'Bonanza intersection of 206m at 10% graphite confirms Leliyn's world-class potential' created on 5 September 2023, 'Testwork confirms favourable flake size for lithium batteries' created on 7 September 2023, 'More Wide, High Grade Graphite Intercepts at Leliyn Graphite' created on 25 October 2023, 'Thickest intercept to date of 285m @ 6.1% TGC at Leliyn' created on 13 November 2023 and 'Further Thick and High Grade Graphite Intercepts at Leliyn' created on 18 December 2023. These reports are available to view on [www.kingslandminerals.com.au](http://www.kingslandminerals.com.au) or on the ASX website [www.asx.com.au](http://www.asx.com.au) under ticker code KNG. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, 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 Person's findings are presented have not been materially modified from the original market announcement.

ASX: **KNG**



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MINERALS

Contact

[www.kingslandminerals.com.au](http://www.kingslandminerals.com.au)

[info@kingslandminerals.com.au](mailto:info@kingslandminerals.com.au)

+61 8 9381 3820