



QUANTUM
GRAPHITE



Sunlands
Pure

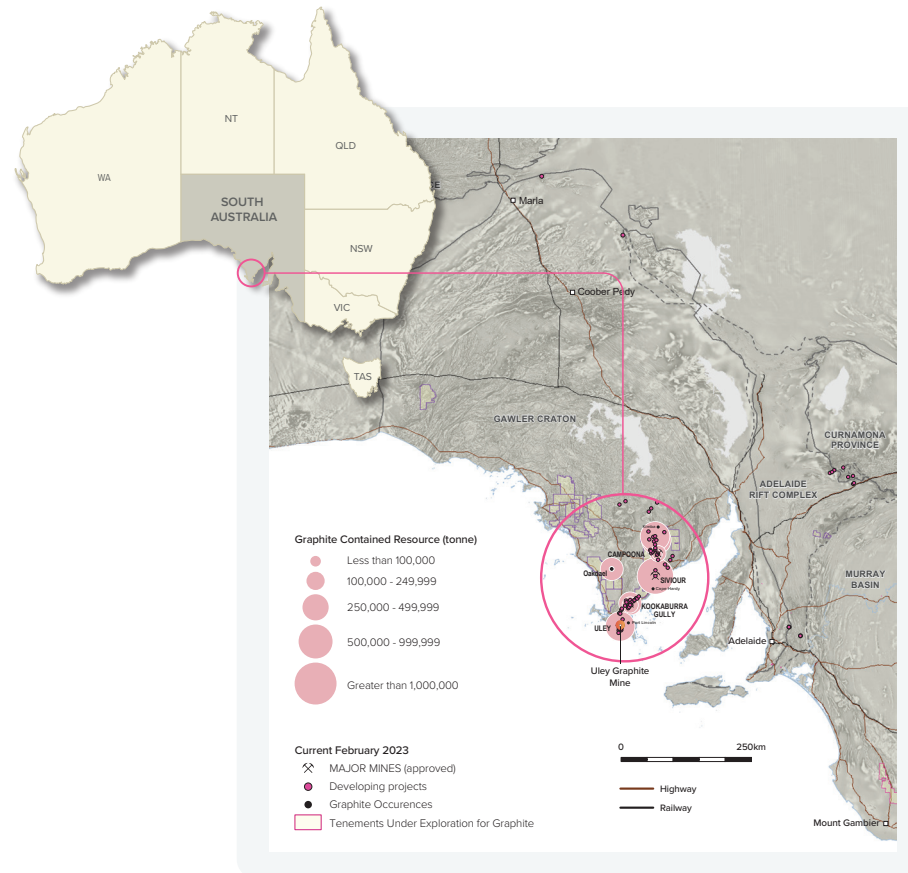


ASSOCIATION OF MINING
AND EXPLORATION COMPANIES

SA INVESTOR BRIEFING 220925

22/09/2025, 16:30 GMT+10
Electra House

BUILDING A RESILIENT GLOBAL SUPPLY CHAIN



- Within the next decade, there is a clear opportunity for those in control of large flake graphite deposits in low-risk jurisdictions to establish a flake graphite (incl. anode precursor) supply chain for major Western markets
- The successful dominant participants are those who are vertically integrated and control downstream refining as well as raw material concentrate production
- The Eyre Peninsula Graphite Hub uniquely provides this solution, establishing its own market and price discovery infrastructure for concentrate and purified graphite products

 Mitsubishi Corporation

4-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN
MAIL ADDRESS C.P.O. BOX 22, TOKYO 100-91 JAPAN TELEPHONE (03) 230-3121
TELEX MITUBISI J 22222-5 CABLE ADDRESS MITSUBISHI TOKYO

YOUR REF.

OUR REF.
PLEASE QUOTE

KR-R102

January 25, 1985

Mr. M.J. Knott,
Executive Officer, Minerals,
CRA Limited,
55 Collins Street,
Melbourne, 3000.

Dear Mr. Knott,

Re: Mikkira Graphite Project

Based on your request to obtain the evaluation of the captioned graphite from potential Japanese customers, we are pleased to submit an intermediate report which is attached herewith.

Although it is a very basic matter, we were pleased to hear from Shinagawa Refractories, a leading refractory company in Japan that the samples, both plus and minus 80 mesh seem suitable as material for refractory use, mainly for magnesia-carbon bricks.

Graphite refinery companies Nippon Graphite, Chuetsu Kokuen and Nishimura Kokuen whose main interest is in the minus 80 mesh material for foundry use also showed interest and opined from their graphite sales experience to the refractory companies that our graphite should be very good for refractory use.

There were different opinions concerning the optimum size of Mikkira graphite. One was to prepare products in following 5 sizes. The reason is because customers are so used to chinese graphite which have many sizes.

+50 mesh		+50 mesh 90% min.
50 - 80 mesh		+80 " "
80 - 100 mesh		+100 " "
100 - 200 mesh		+200 " "
-200 mesh		-200 " "

Other opinion was to set up a size unique to Mikkira.

In order to further develop Mikkira Graphite Project technically, we intend to propose CRA to send engineers to Japan, for a technical discussion and also to send a technical mission by the graphite refinery companies at an appropriate timing.

Mitsubishi Corporation

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Please note that, the above reactions from the potential customers are all subject to price competitiveness compared to Chinese graphite on landed basis.

It was encouraging to hear from certain graphite refinery companies that they are looking forward to see the first graphite coming into Japanese market from the free world.

With CRA's approval, Mitsubishi intend to approach other refractory companies as well as other graphite refinery and crutiable companies for a further technical study with whom we have business relationship.

Economical study is still left to be done and we consider that not only the tonnage accumulation but competitive affreighting arrangement is important and in these area too, we are determined to extend our full cooperation.

MITSUBISHI CORPORATION


Manager, Industrial Minerals Team
Iron Ore Dept.

Attachment: o Potential customer's reaction
o Latest price list of Chinese graphite



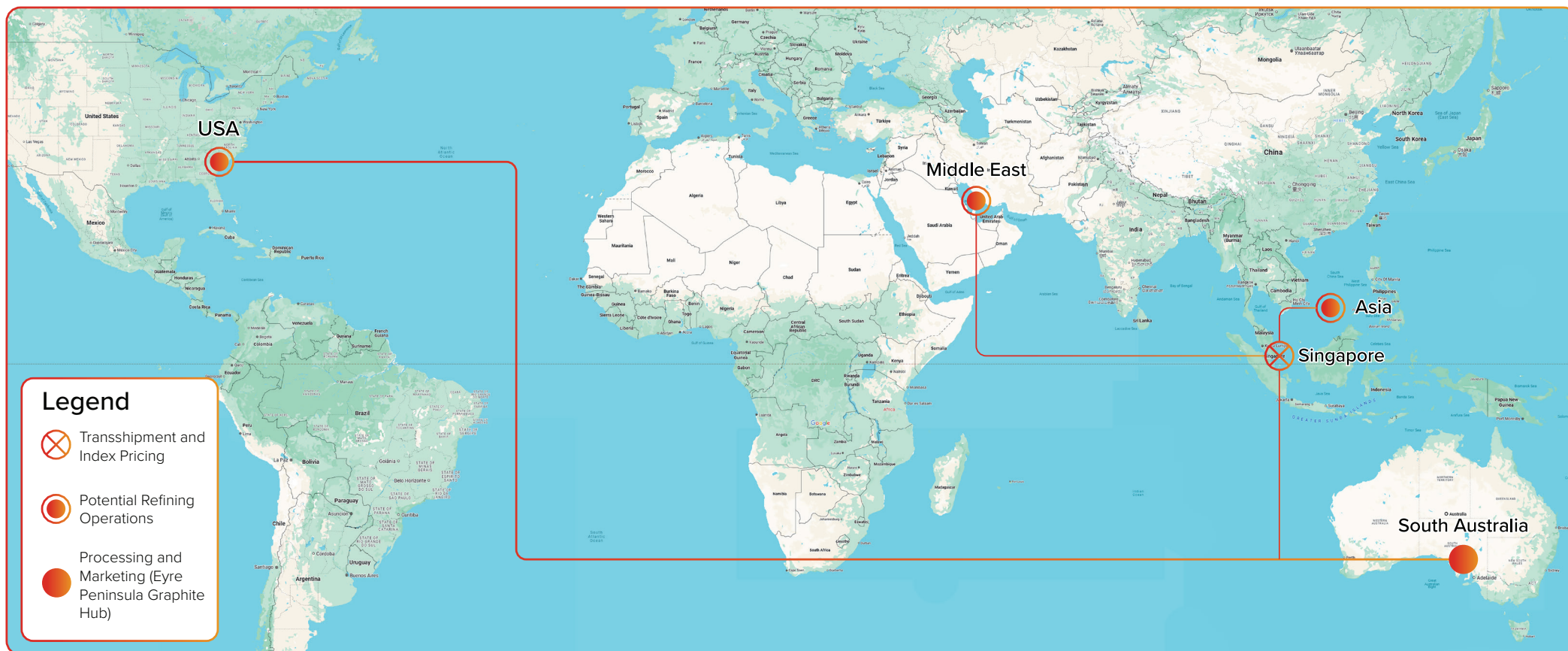
The Lithium “Art of War”

Sun Tzu: "The supreme art of war is to subdue the enemy without fighting."

In the 21st century, wars aren't just fought with weapons—they're waged in boardrooms, supply chains, and factories.

Nowhere is this clearer than in the global race to dominate the lithium-ion battery supply chain. While the West debated, China executed—methodically, strategically, and often invisibly. True to Sun Tzu's teachings, their dominance didn't come through confrontation, but through foresight, patience, and impeccable timing.

Joe Lowry



Achieving three essential elements - critical infrastructure (supply chain), market integrity (index/reference pricing) and Australian downstream industries (long duration thermal energy storage cells).

[extract]



THE HON ED HUSIC MP
 MINISTER FOR INDUSTRY AND SCIENCE

MS24-001569

18 FEB 2025

Mr Sal Catalano
 Managing Director
 Quantum Graphite Limited
 349 Collins Street
 MELBOURNE VIC 3000

scatalano@chimaerafinancial.com

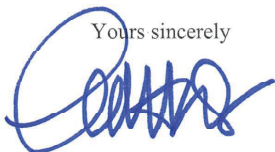
Dear Mr Catalano

Thank you for your application for Major Project Status (MPS) for the Sunlands Eyre Peninsula Graphite Hub (the Project).

I am pleased to advise that I have granted MPS for your Project for an initial period of three years from the date of this letter. My decision to grant MPS recognises the national significance of the Project to Australia through its alignment with the Australian Government's Critical Minerals Strategy and National Battery Strategy...

I have also written to the Hon Peter Malinauskas MP, Premier of South Australia, and several of my ministerial colleagues regarding this decision and to encourage their assistance with this Project...

Yours sincerely



Ed Husic MP

Parliament House, Canberra ACT 2600

Telephone (02) 6277 7070

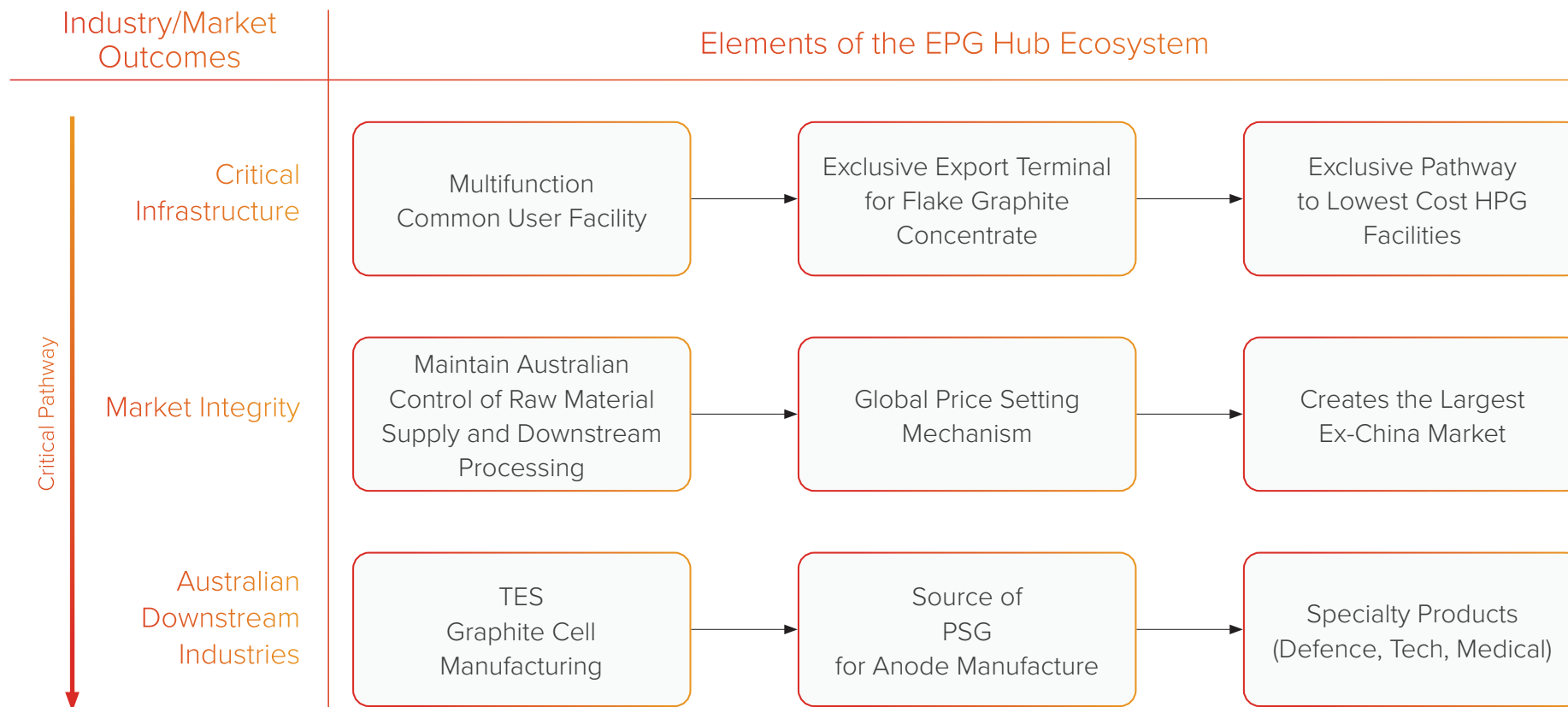
Eyre Peninsula Graphite Hub Federal Gov Major Project Status

Four essential elements that ensure the Eyre Peninsula and the EPG Hub deliver an independent scalable supply chain...

- **Upstream** - A massive mineral resources of high quality flake graphite
- **Downstream** - Contaminant free, high value concentrate that delivers HPG at quality levels meeting stringent standards of:
 - Tier 1 Lithium-ion anode (EV and storage)
 - Isostatic graphite (medical and defence)
- **Economics** - Lowest cost scale producer of concentrate and HPG
- **Control** - Australian owned and controlled technology

Delivering an Independent Global Pricing Mechanism

- EPG Hub constitutes an independent, integrated supply chain infrastructure i.e., mining, concentrate production, HPG production, secondary trading
- Embedded with its own transparent price discovery mechanism
- EPG Hub pricing will be published by an established PRA and based upon quotations on a recognised commodities and futures market such as the SGX



The Holy Grail!

Moisture	Ash	pH	Al	Ca	Fe	Na	Si
%	%	-	ppm	ppm	ppm	ppm	ppm
<0.10	<0.05	>4.2	<20	<20	<30	<10	<30

Natural Graphite Concentrate Anode Specification - 195



Any old crap will do...

D50	Tap	SSA	Carbon Content	Bulk Density	+100	-325
μm	g/cc	m ² /g	%	g/cc		
70-100	≥0.7	≤3	≥94	≥0.4	10-20%	≤30%

Natural Graphite Concentrate Anode Specification - 194



but I really,
really must
get to this...
(the power
of HF)

Element	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er
Detection Limit	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Presence	2.1	8	32.4	0.7	69.6	0.4	2.7	1.8	0.4	202.5	9.9	25,625	3.5	103.4	2.7	1.9

Element	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In	K	La	Li	Lu	Mg	Mn	Mo
Detection Limit	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppm	ppb
	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	0.1	0.1	0.01	0.001	0.1
Presence	0.4	22.2	10.7	2.4	0.7	24.2	0.5	0.6	2.5	0.2	0.8	48.1	14.5	0.3	0.7	0.2	819

Element	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	S	Sb	Sc	Se	Si	Sm
Detection Limit	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppm	ppb	ppm	ppb
	0.01	0.1	0.1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	0.1	0.1	0.01	0.1
Presence	68.1	113.3	19.2	2,380	0.2	42.3	2.8	6.4	0.3	10.5	<0.1	31.1	3.8	11.0	<0.1	23.3	2.7

Element	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Total
Detection Limit	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Presence	140.8	28.9	2.9	0.5	0.2	58.8	1.51	<0.1	0.3	7.1	64.2	44.3	14.3	1.7	60.0	908	0.02%
																	99.98% gC

...and all this with ho-hum alkali roast/acid leach!