



ASX: SYA

SAYONA
MINING LIMITED
September 2015

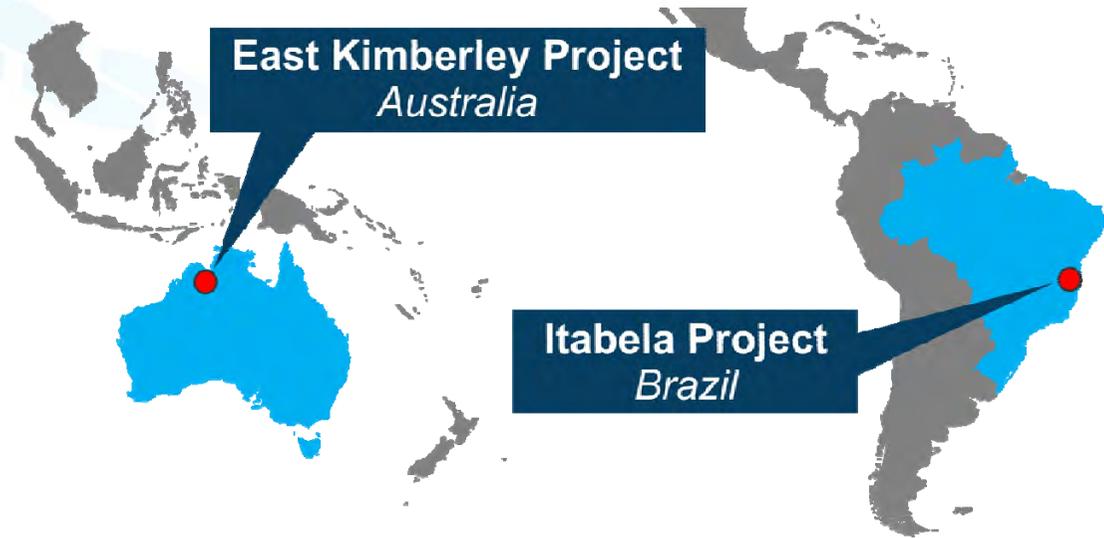
Investor Presentation

*Sourcing the raw
materials of the future*

Company snapshot

ASX: SYA

SYA's strategy is to source and **develop high purity flake graphite** for use in the rapidly growing, green technology sectors



EAST KIMBERLEY

- 278 km² tenement package
- Located in a proven large flake graphite province
- Excellent infrastructure
- Geophysics planned Sept 15
- Drilled planned Oct 2015

ITABELA

- 133 km² tenement package
- Located in world's second largest graphite producing region
- High-purity large flake graphite
- Excellent infrastructure
- Targeting production in 2017

SYA value proposition

Targeting proven, **large flake, high purity graphite districts** – suitable for use in new green technology sectors



Projects in close **proximity to target** technology markets

Low enterprise value compared to industry peers



Projects located in **established mining jurisdictions** with stable taxes and royalties

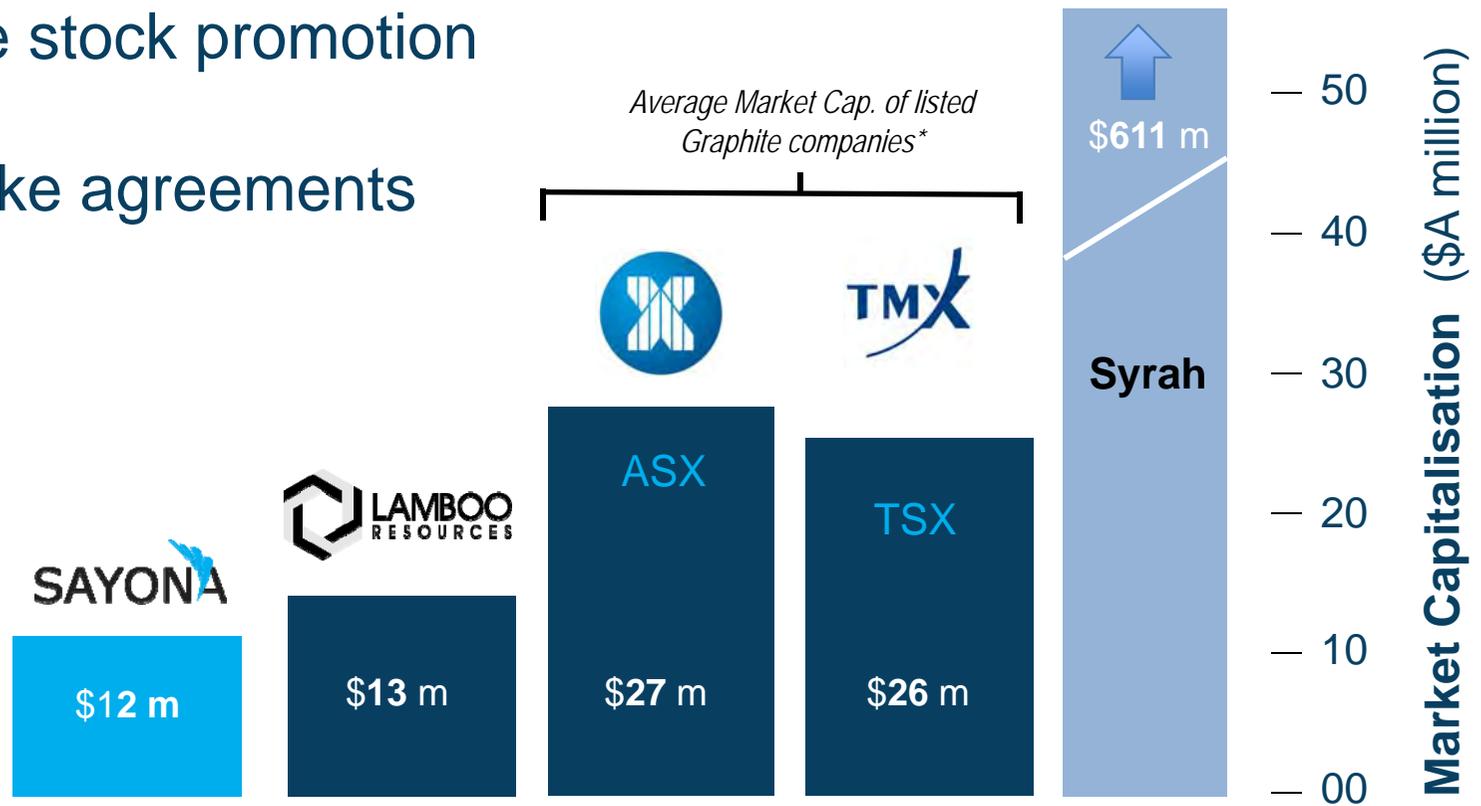
Major shareholders and **Board have strong track** record of successful investments



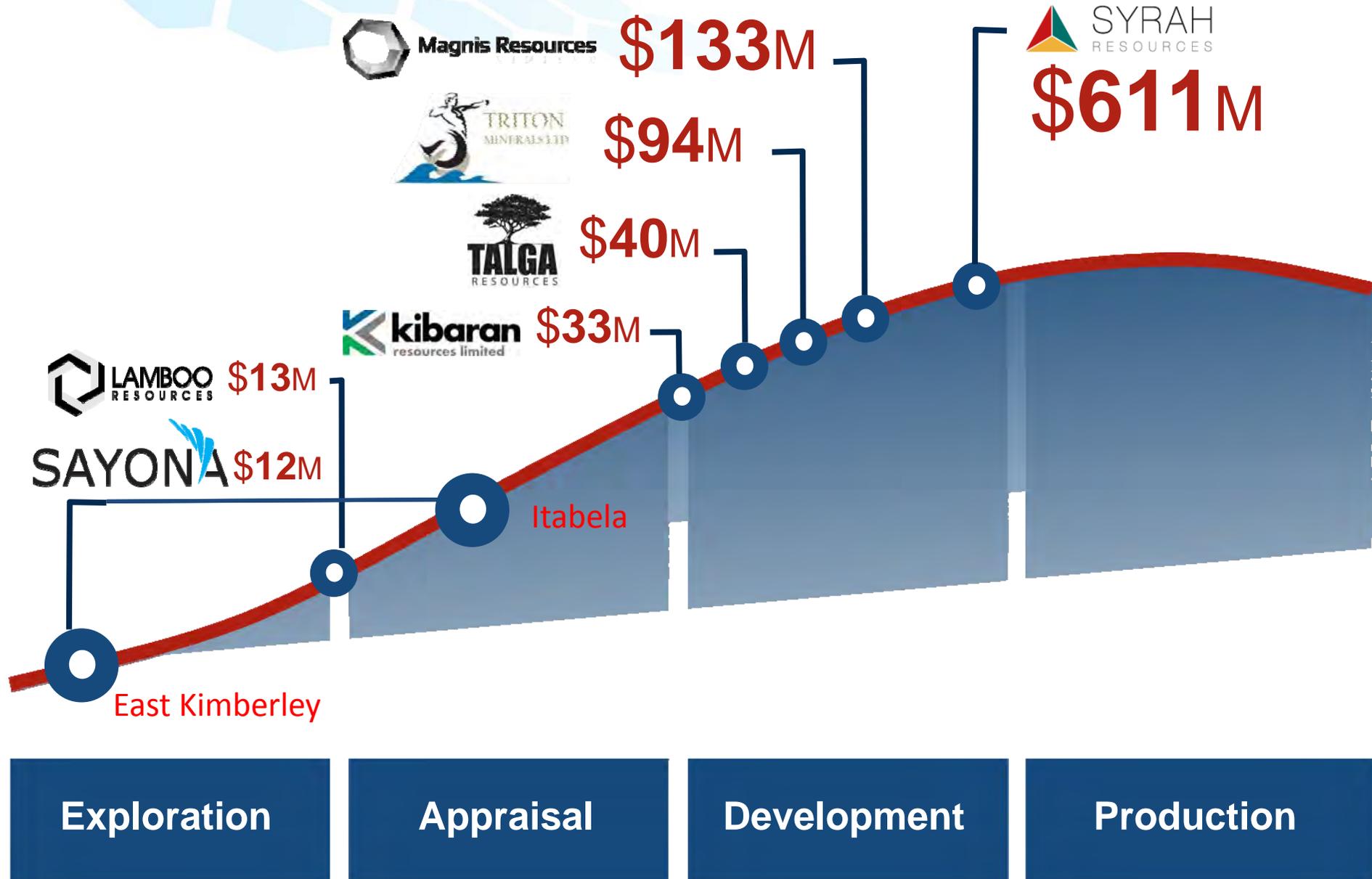
Well established mining districts with **excellent infrastructure** to support low costs

Share price drivers

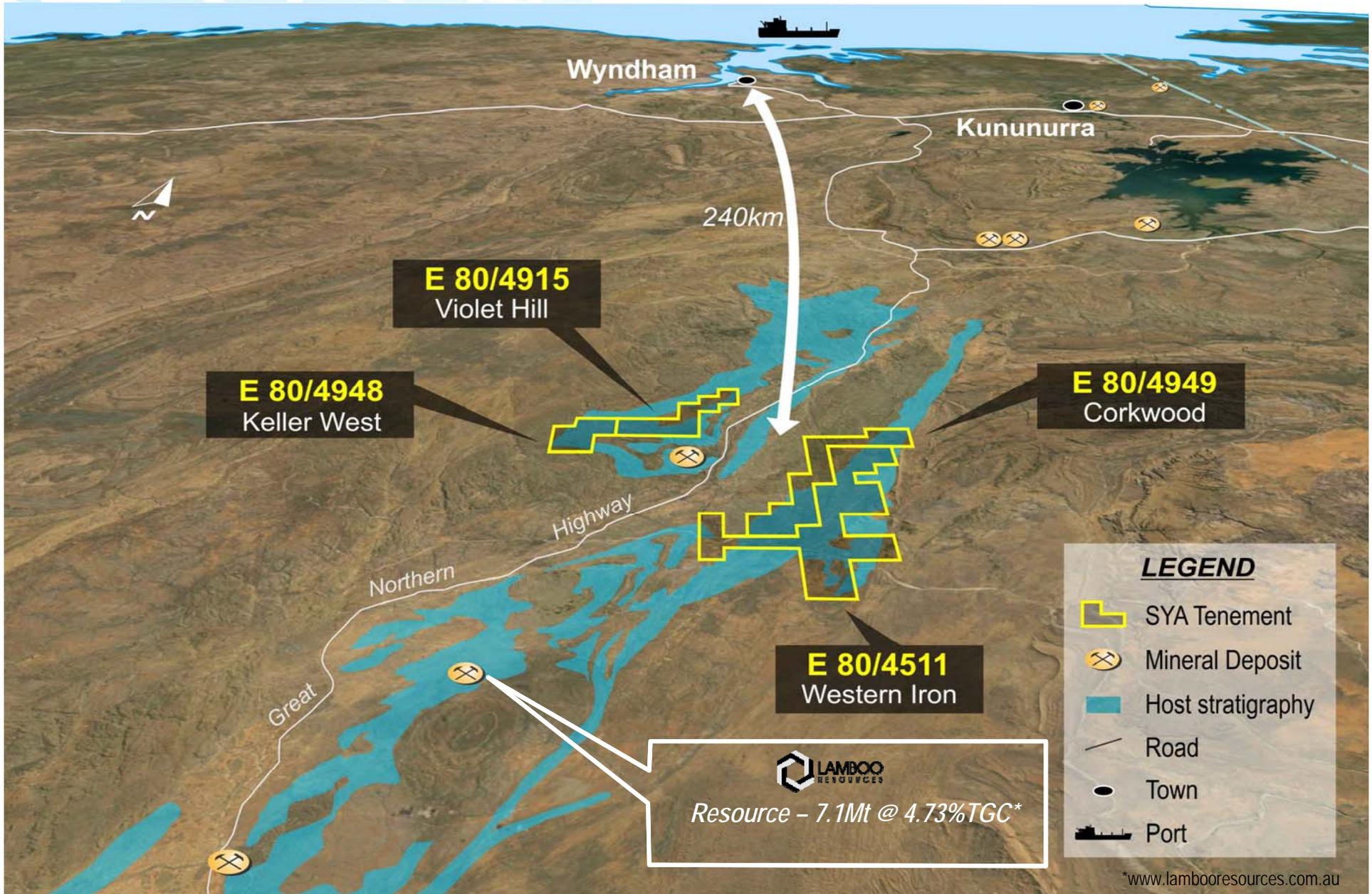
- ✓ Drilling the East Kimberley project in Oct 2015
- ✓ Value up-lift potential from Itabela transaction
- ✓ Active stock promotion
- ✓ Off-take agreements



Value up-lift potential moving from explorer to developer



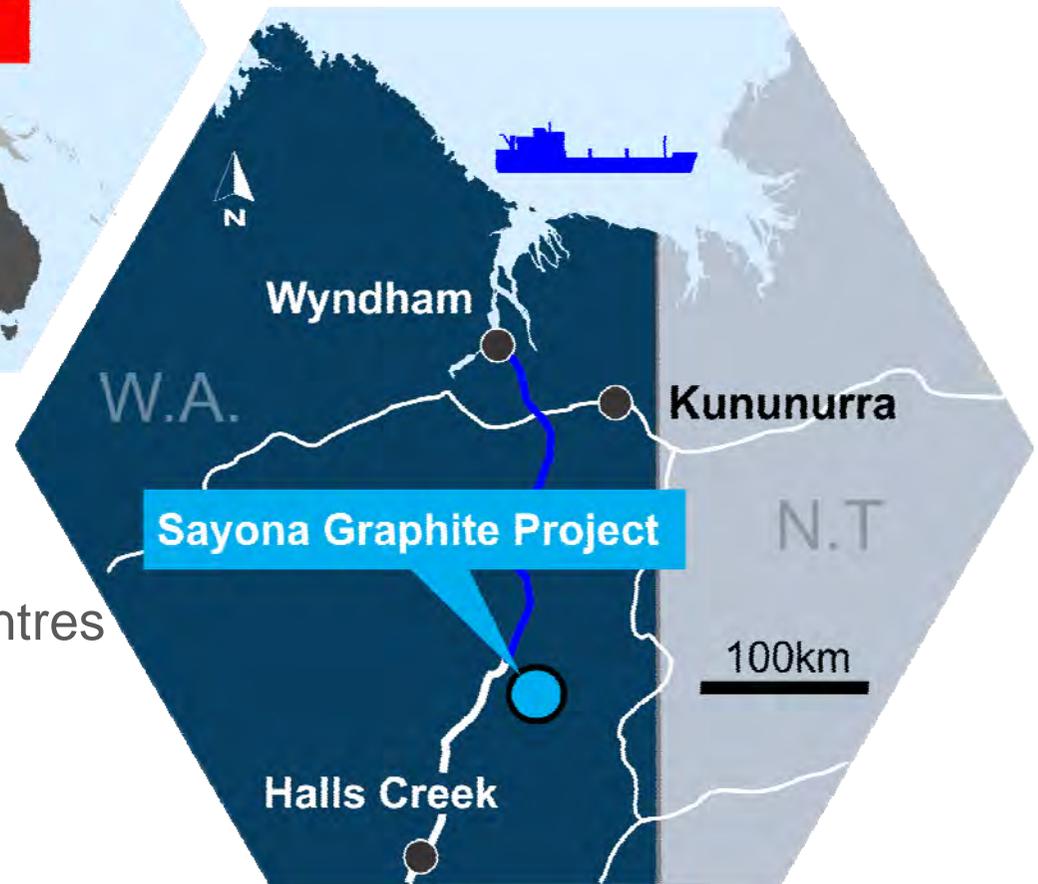
East Kimberley project location



East Kimberley located close to Asian markets

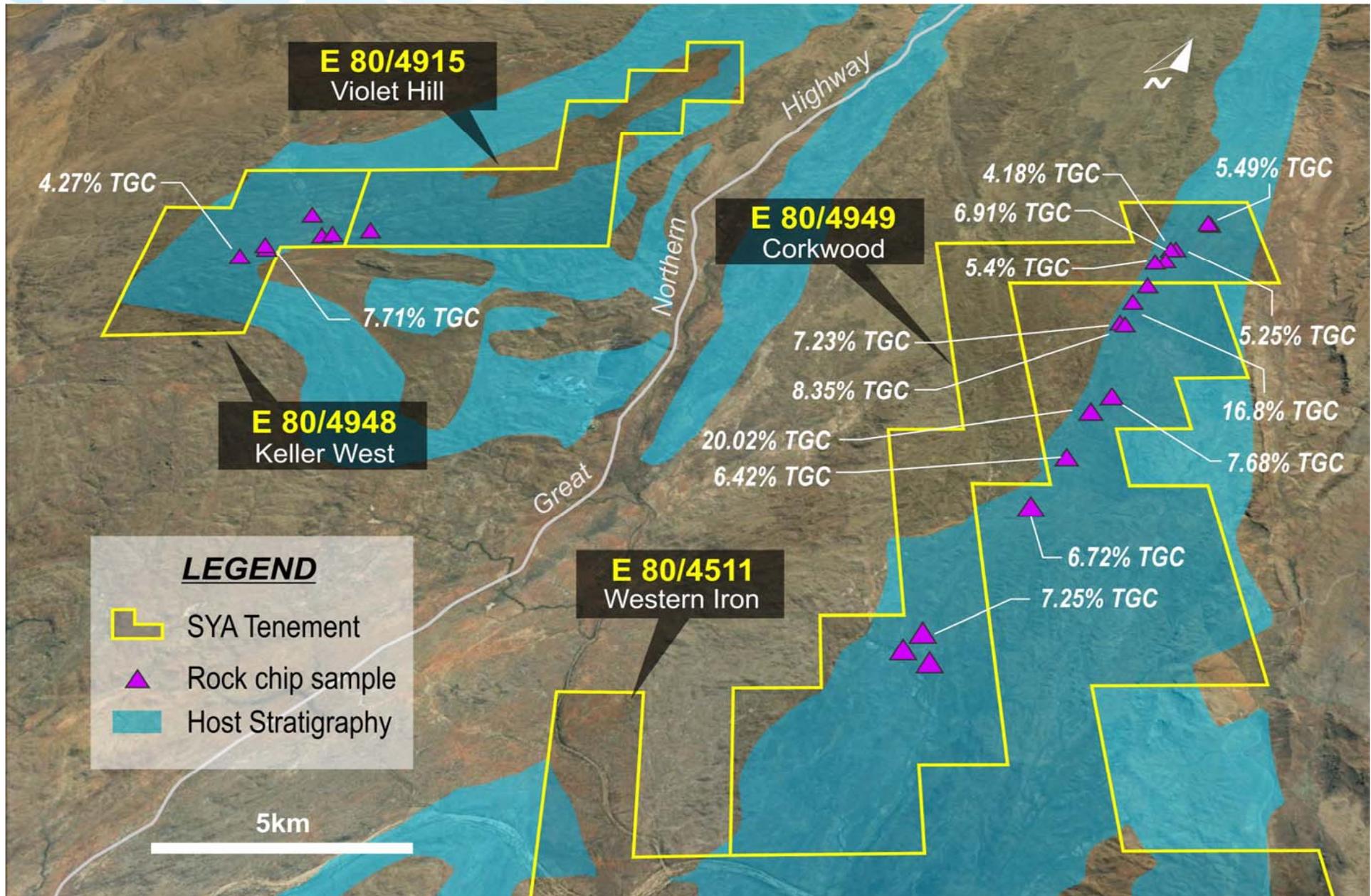


CLOSE TO ASIAN MARKETS

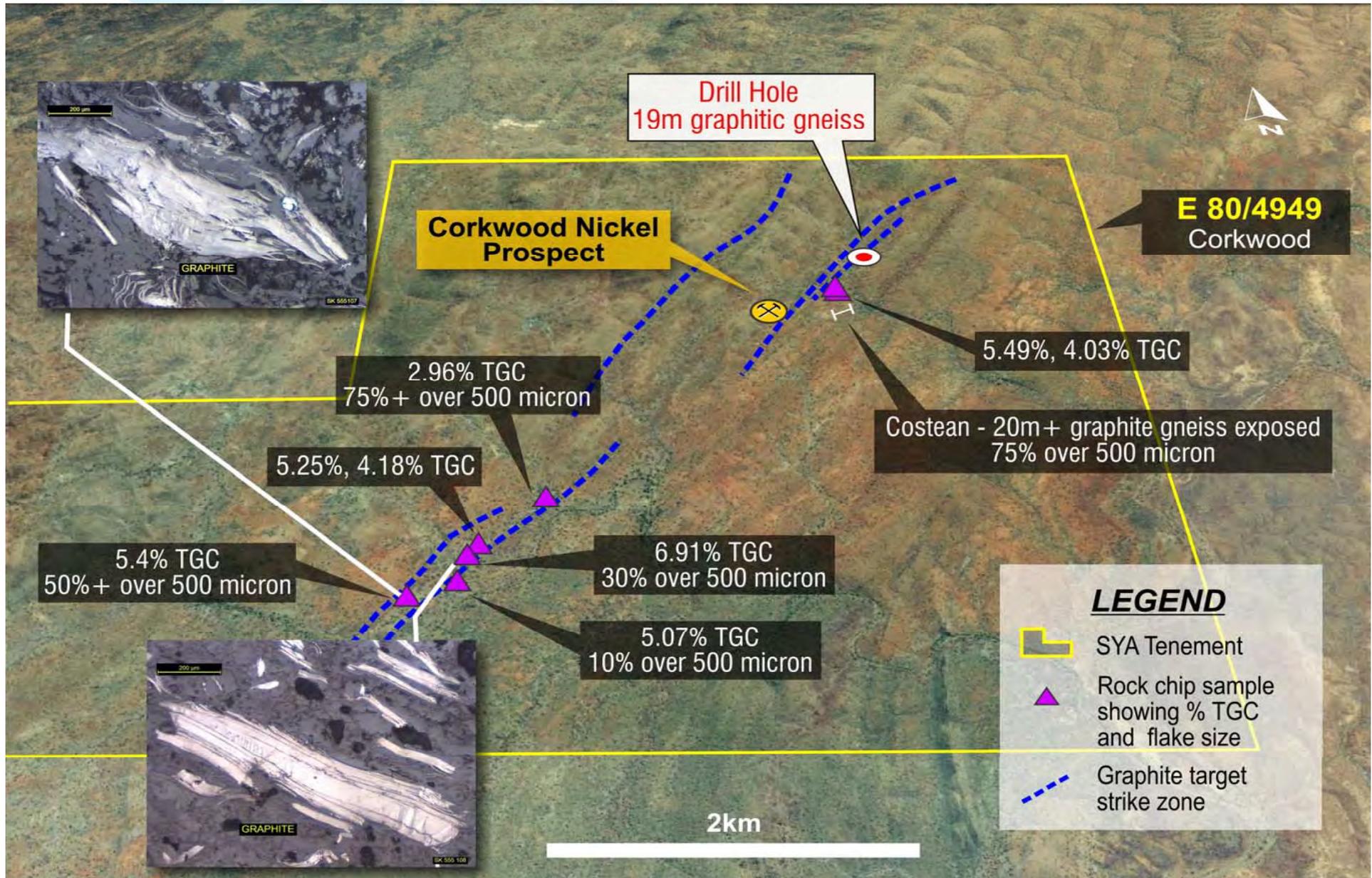


- 240km from Wyndham Port
- Regional **mining services** centres
- Local **skilled** workforce

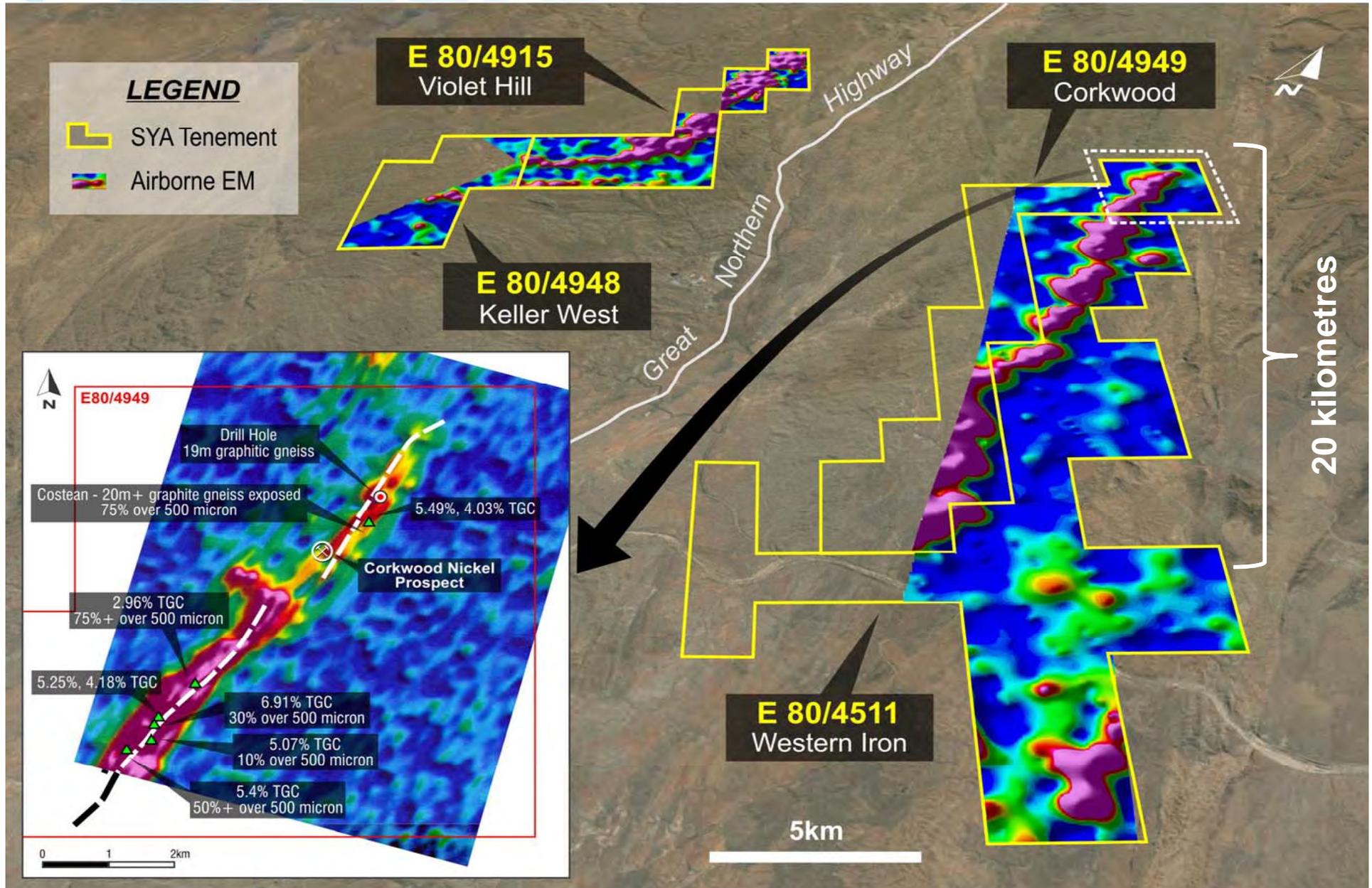
Corkwood - a major new graphite discovery



Jumbo and large flake size demonstrated



Geophysics highlights 20km structure



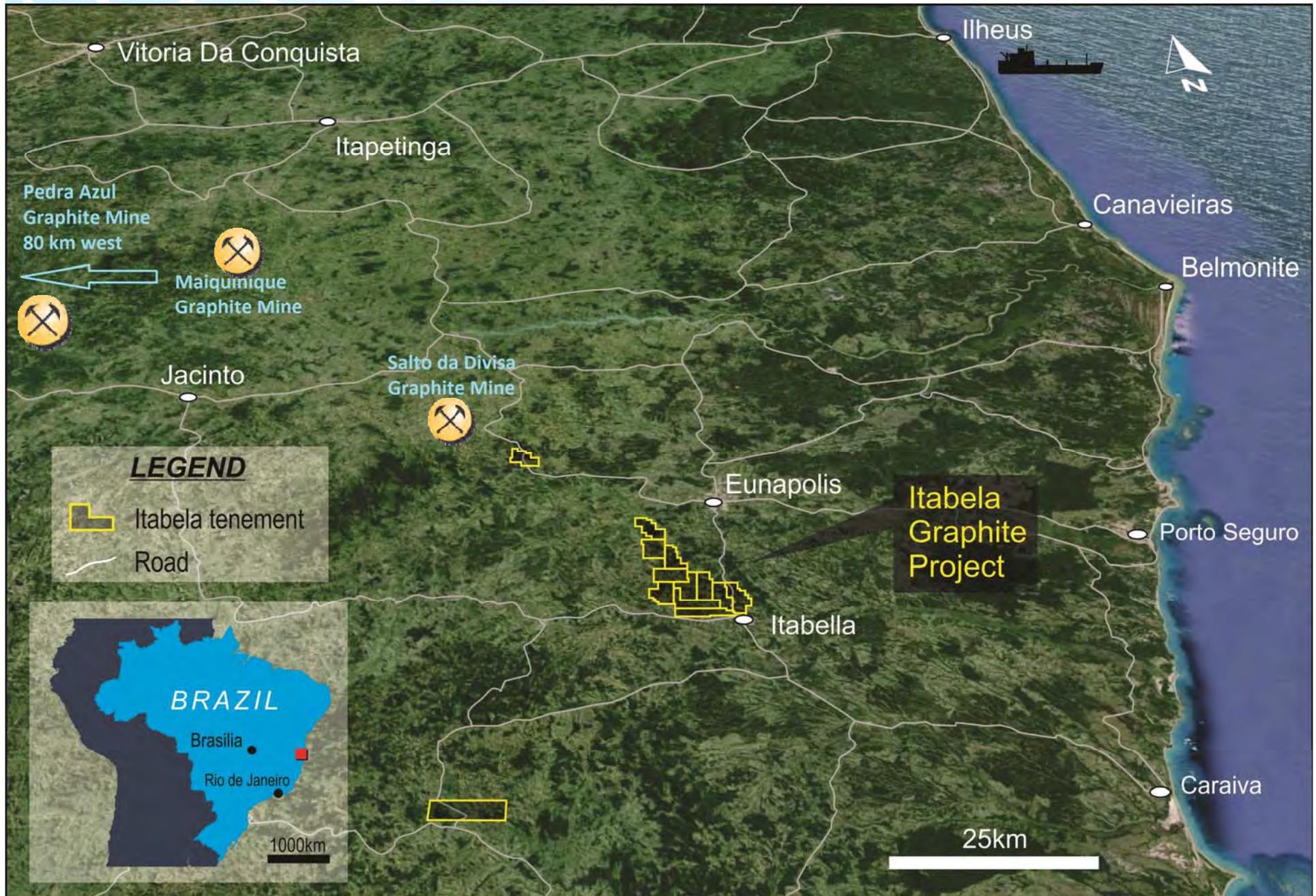
East Kimberley drilling planned Oct 2015



- Tenement package secured
- Surface mapping & sampling
- Flake chemistry analysis

-
- Native Title / Environmental
 - Geophysics
 - Drilling
 - Metallurgy
 - Off-take partner / agreements
 - JORC

Itabela – strategically located in Brazil





Brazil is a major producer of graphite

2nd **LARGEST GRAPHITE PRODUCING
REGION IN THE WORLD**

3 **OPERATING GRAPHITE MINES**

70 **YEARS OF CONTINUOUS
PRODUCTION**

Itabela's natural ore advantage



Ore is **brittle** and **friable**



Low % of graphite fines



Large flake graphite



Low cost mining



Simple flotation
process flowsheet



Located close to
domestic markets



Close to US and
European export
markets

Superior quality graphite

Itabela Concentrate Minimum +95% Carbon Content				
Flake Size	Mesh Size	Graphite Size (Microns)	Distribution	% Cg
Super Jumbo	30#	>500	4%	95%
Jumbo	50#	>300	32%	95%
Large	80#	>180	27%	97%
Medium	140#	>106	17%	97%
Fine	-140#	<106	20%	97%



31,000 kilograms of pilot scale test work

The large flake advantage

Itabela Concentrate Minimum +95% Carbon Content*				
Flake Size	Graphite Size (μ)	Distribution	Indicative Price (US\$/tonne)	Value (US\$/tonne)
Super Jumbo	>500	4%	2,500	100
Jumbo	>300	32%	2,000	640
Large	>180	27%	1,500	405
Medium	>106	17%	1,100	187
Fine	<106	20%	750	150
Weighted basket price				\$1,482

Less low operating costs

\$XX

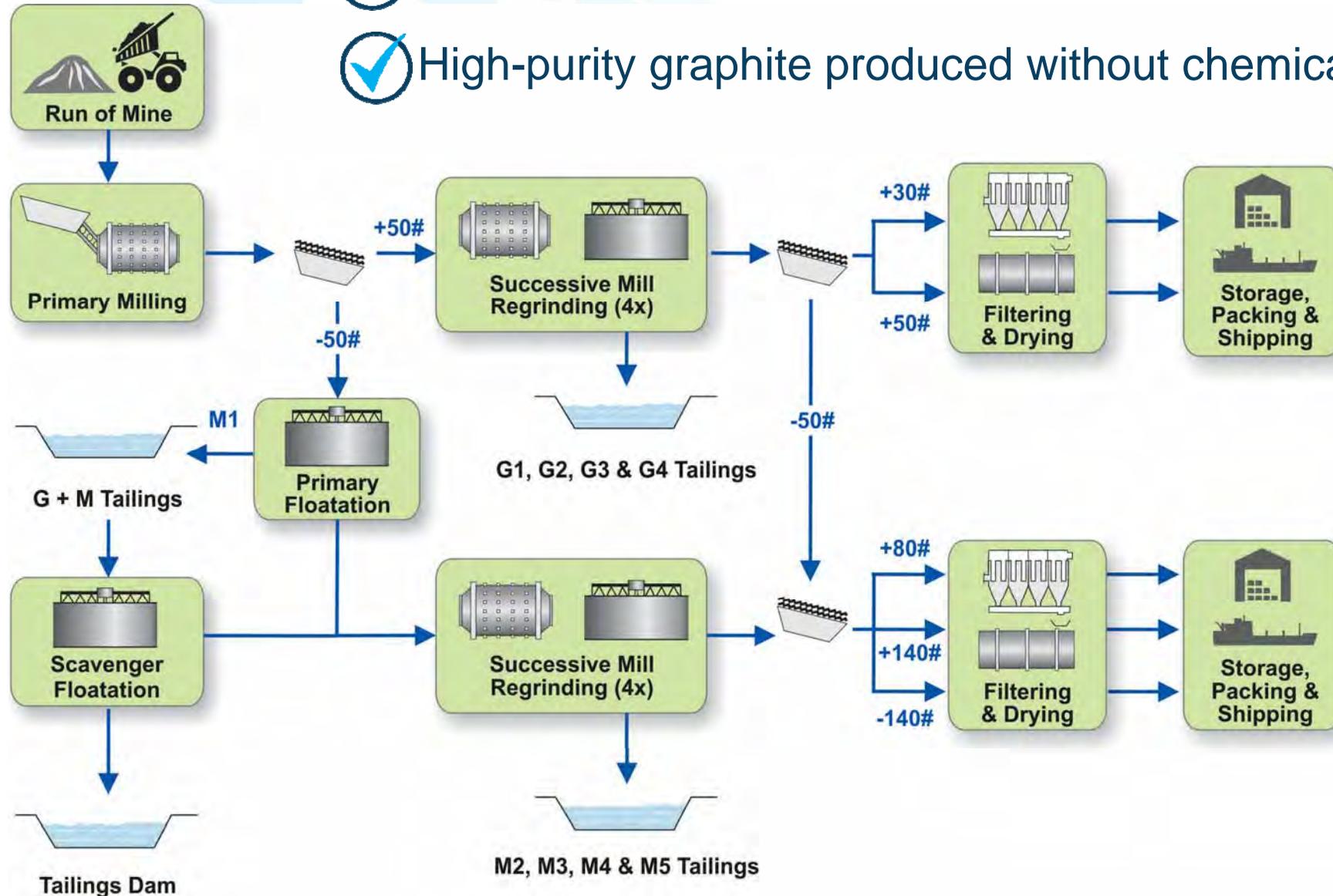
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PROFIT

10% more jumbo and large flake graphite can be produced at a min. 93% Cg concentrate

Simple process flow sheet

- ✓ Flakes liberated without excessive grinding
- ✓ High-purity graphite produced without chemicals



Well established infrastructure

Porto Seguro
International Airport



Gas connection in Itabela



Main road in Itabela



Power supply at
project entrance



Itabela heavy
machinery workshop



Water supply



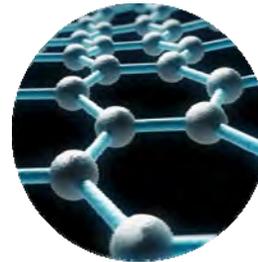
Itabela project economics

Shallow open cut, low strip ratio mining operation. No drilling or blasting required



Large flake graphite attracts premium pricing

Simple process flow sheet – graphite flakes easily liberated from soft and friable ore – no crushing



High purity carbon attributes suitable for value-adding into premium products

Deposit attributes to support low mining and processing operating and capital costs



Well established infrastructure including port, gas, roads, labour, water

Geology of orebody and nature of mineralization have positive implications for project economics

Itabela's next steps

**Fast tracking
towards production
by completion of a
feasibility study,
permitting and
securing off-take
partners**

* Four-month exclusive option to acquire 100% of Itabela. Monthly option payment of US\$15k during DD period. US\$3.5 million purchase price if option exercised. Vendor retains a 2% NSR over all mineral rights

- Option to purchase secured *
- Flake size
- Purity

-
- JORC Resource
 - Scoping Study
 - Drilling
 - Feasibility
 - Offtake
 - Construction

Tight, supportive ownership structure

TRADING EXCHANGE

ASX: SYA/SYAO

CAPITALISATION

Price 2.2¢

*as at close 22 Sept 2015

SHARES/OPTIONS

517 million shares

110 million options

Market cap \$11.8M

Cash* \$2.65M

As at Sept 15

SHAREHOLDERS

DIRECTORS 44%

TOP 20 74%

Strong team with track record of success

Dan O'Neill

Managing Director

- 35 years of resources industry experience
- Geologist with significant project development and public company experience
- Founding director of lithium company, Orocobre Ltd

Corey Nolan

Chief Executive Officer

- 23 years of resources industry experience
- Strong combination of corporate and capital markets experience
- Previously Managing Director of South American focused exploration company, Elementos Limited

Paul Crawford

Executive Director

- 35 years of resources industry experience
- CPA and previously Company Secretary of companies including Orocobre Ltd (founding director), Elementos Ltd and ActivEx Ltd

James Brown

Non-Executive Director

- 35 years of operating experience in the resources sector
- Significant coal development and operating experience including 22 years with New Hope Corporation
- Managing Director of ASX listed lithium development company, Altura Mining Ltd

Allan Buckler

Non-Executive Director

- 40 years of development and operating experience in the resources sector
- Built large-scale mining operations in Australia and Indonesia
- Former director and chief operations officer for New Hope Corporation

Graphite ... solution to global problems

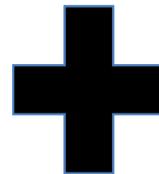


Why Graphite?

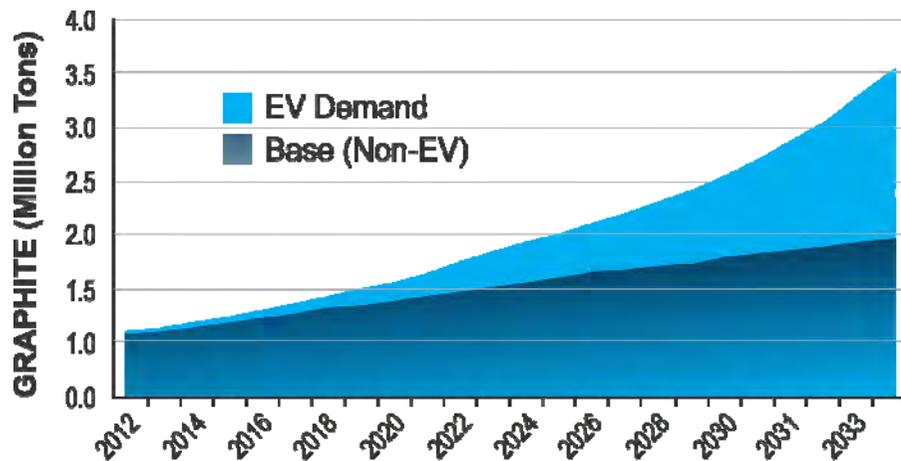
\$12 BILLION GROWING MARKET

FORECAST DEMAND FOR GRAPHITE IN ELECTRIC VEHICLES TO INCREASE OVER 10 YEARS

80%



THE BATTERY MEGA FACTORIES ARE COMING



Graphite – a diverse and critical raw material

GRAPHITE HAS UNIQUE PROPERTIES



Lubricity



Non-corrosive



Light



Heat resistant

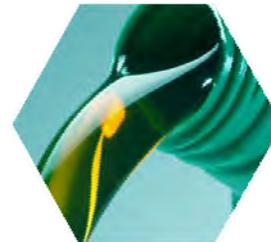


Strong



Conductive

GRAPHITE IS EVERYWHERE



Lubricants



New technologies



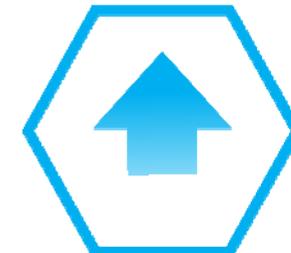
Refractories



Batteries



Electronics



Applications are growing

Key Graphite growth markets

NEW **GREEN**
TECHNOLOGIES



DRIVING
GLOBAL
DEMAND



Lithium Ion
Batteries

Graphene

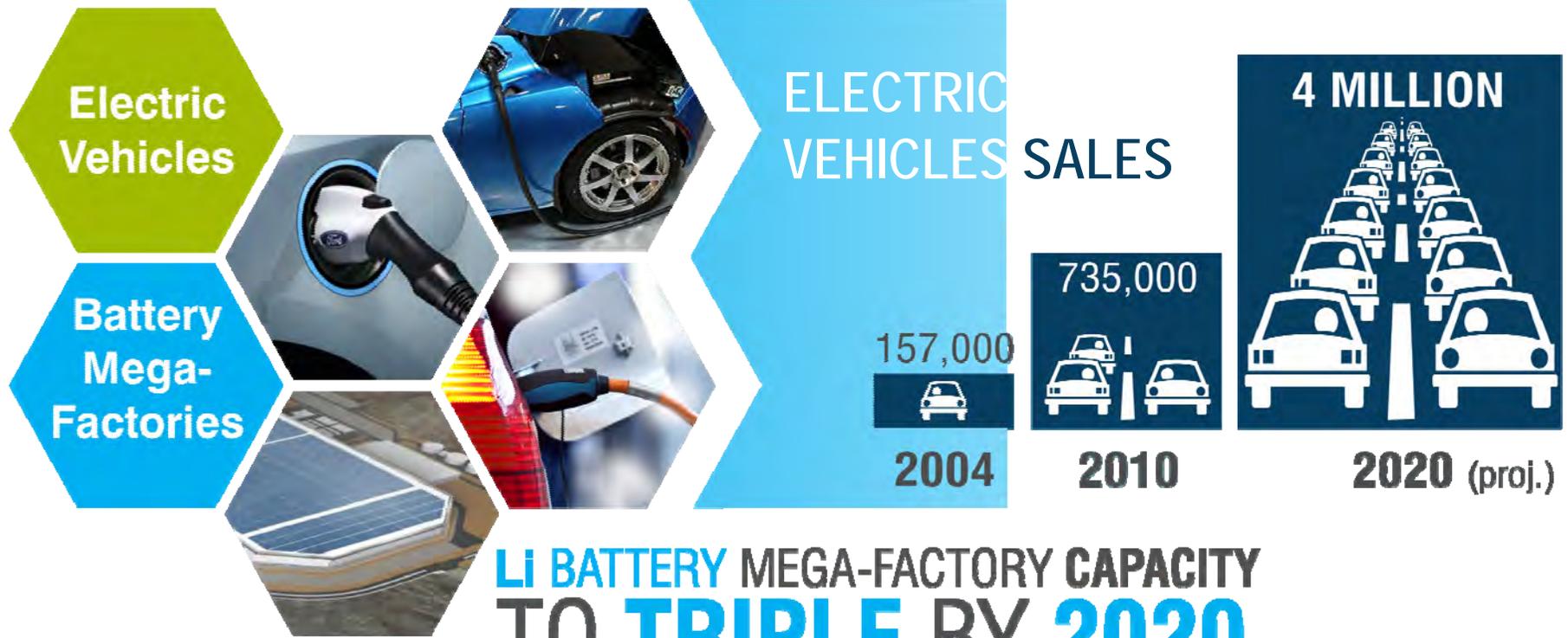


Super-
capacitors

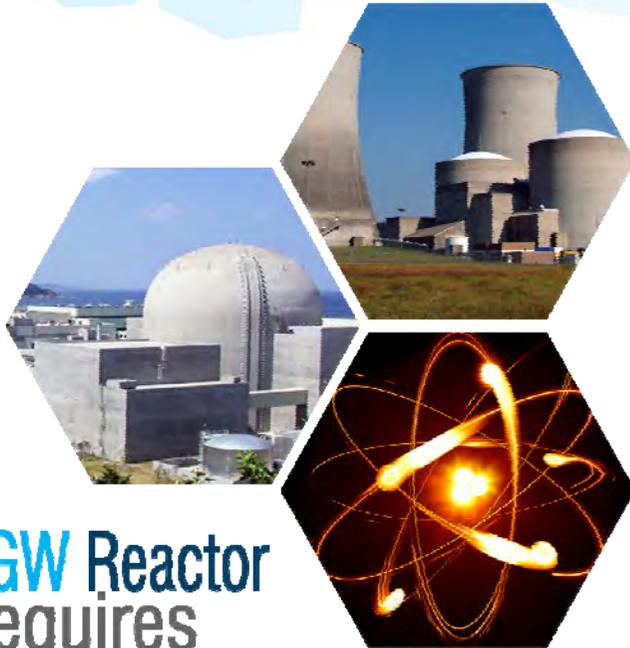
Pebble Bed
Nuclear Energy



Lithium Ion Battery Market



Nuclear Power



1GW Reactor
requires



- **3000t** GRAPHITE FOR START UP
- **1000t** GRAPHITE TO OPERATE ANNUALLY

Super Capacitors

GRAPHITE IS KEY RAW MATERIAL

- cost effective
- mechanical stability
- huge energy storage



80kg GRAPHITE USED IN
AVERAGE FUEL CELL

Graphene – the new super material*

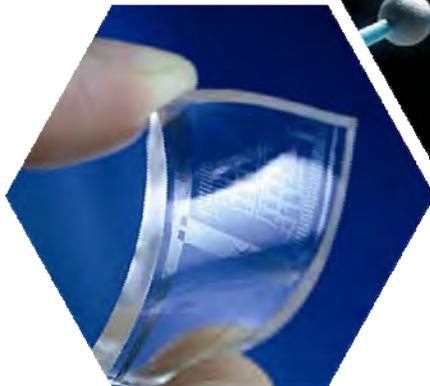
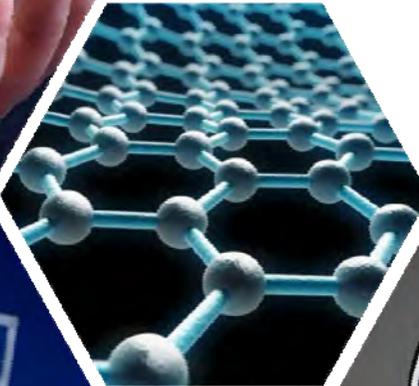
1000x ELECTRICAL CURRENT
CAPACITY OF COPPER WIRE

100x STRONGER THAN STEEL

10x BETTER HEAT CONDUCTOR
THAN COPPER



**STRONGEST
MATERIAL
KNOWN TO
MAN**



Flake Graphite – the highest value product

GRAPHITE TYPES

AMORPHOUS

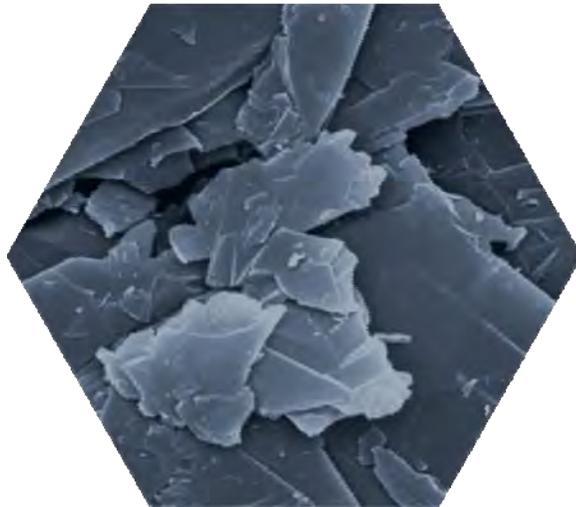


LOW PURITY
LOW PRICE
LOW GROWTH

LUMP



MEDIUM PURITY
LOW MARKET
FLAT GROWTH



FLAKE
GRAPHITE



HIGHEST PURITY



HIGHEST PRICES

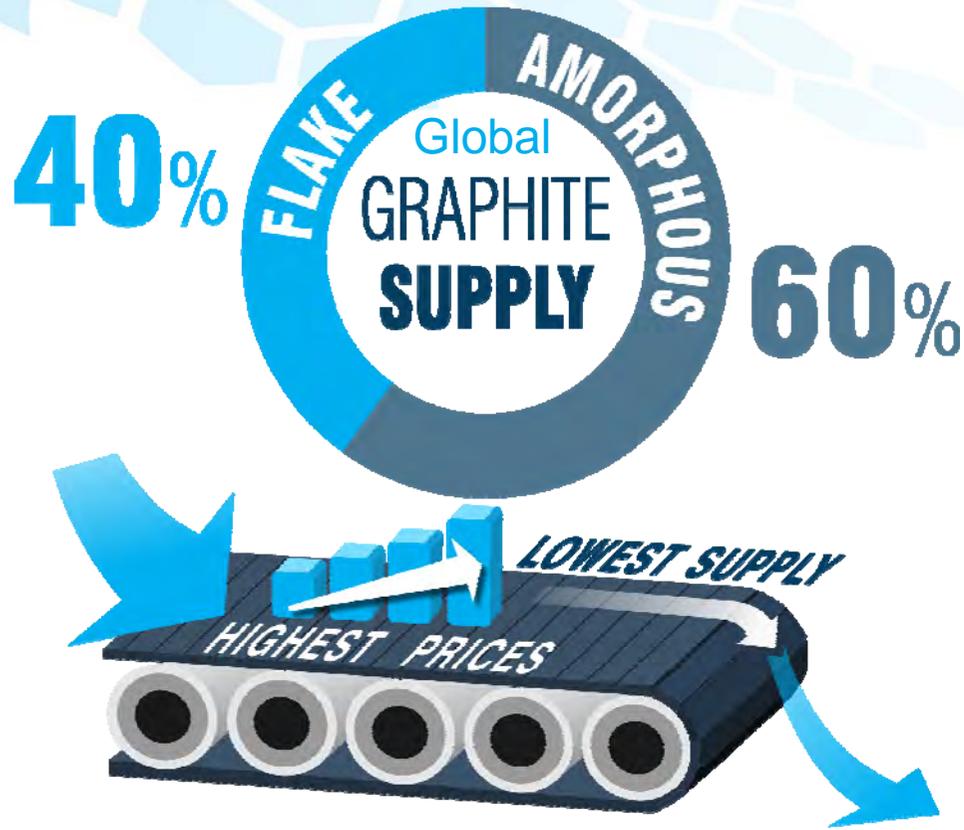


LIMITED SUPPLY

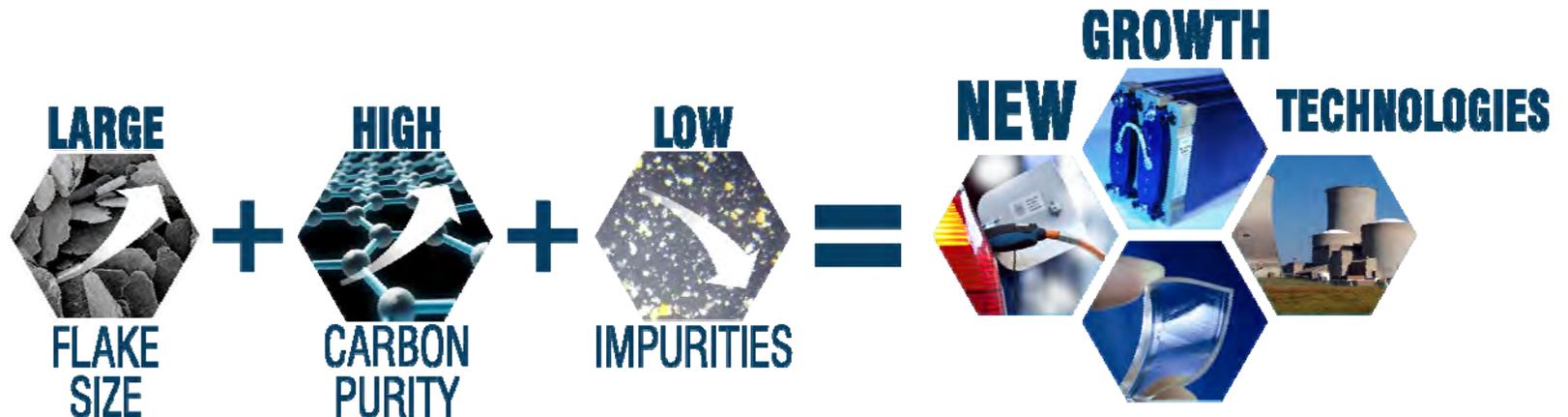


HIGHEST GROWTH
DRIVEN BY NEW TECHNOLOGIES

Sayona to target high-growth segments



KEY WORLD SUPPLIERS



Disclaimer

COMPETENT PERSON STATEMENT

The information in this report that relates to Exploration Results is based on information compiled by Mr Simon Attwell, a Competent Person, and who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Attwell is an employee of Attgold Pty Ltd (“Attgold”) which provides geological services to Sayona. Attgold is a financial beneficiary if Sayona exercises its option to purchase agreement over the East Kimberley Graphite project.

Mr Attwell has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Attwell consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

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Reference to Previous ASX Releases

This presentation refers to the following previous ASX releases:

- 8 July 2015 – Strategic Entry into the Graphite market
- 9 July 2015 – Geophysics Highlights Prospective Targets
- 10 July 2015 – Jumbo and Large Flake Graphite Identified at East Kimberley project
- 20 July 2015 – Drill Target and Metallurgy Program
- 5 August 2015 – Acquisition of Advanced Graphite Project
- 21 August 2015 – High Grade Graphite Mineralisation at Corkwood

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 all material assumptions and technical parameters 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 announcements.

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