



ASX: SYA

SAYONA
MINING LIMITED
January 2016

Investor Presentation - Entering the Resource Definition Phase

Sourcing the raw materials of the future

The green energy revolution is underway

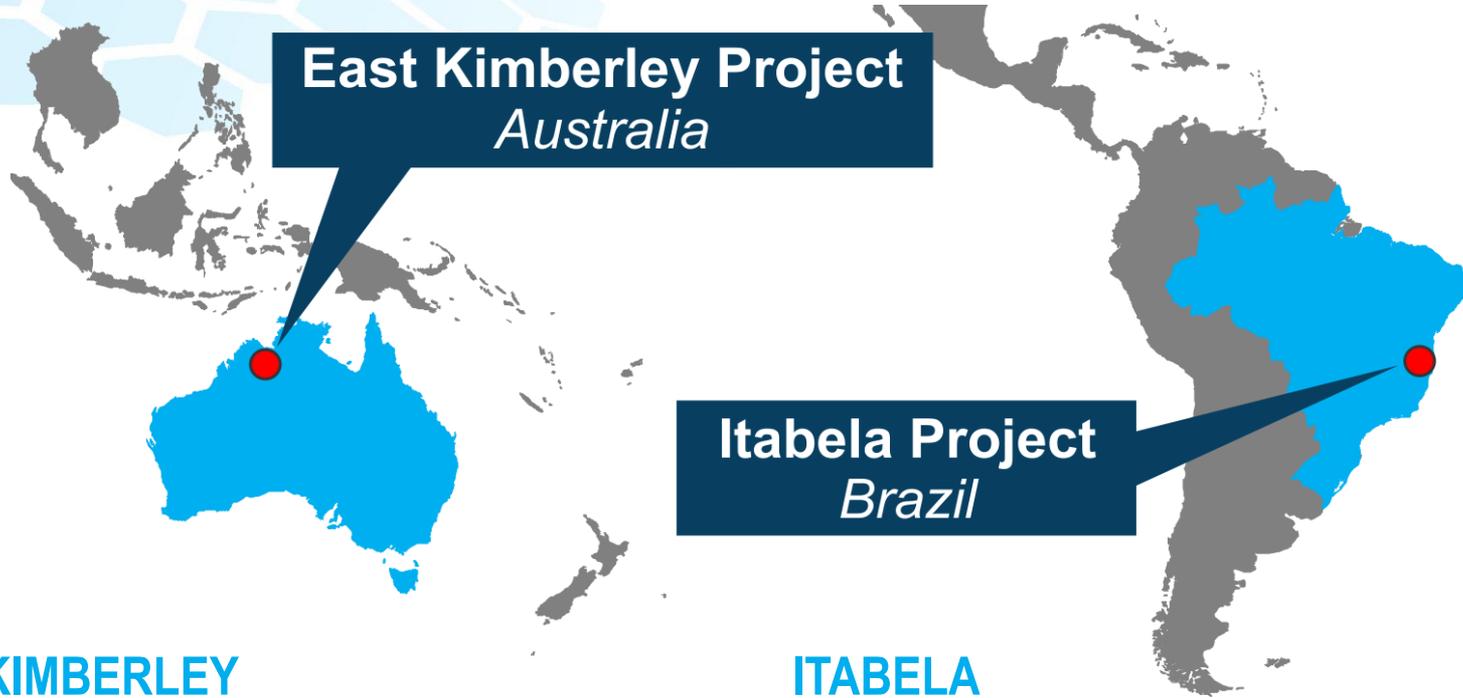


....creating demand for graphite, lithium and cobalt for use in batteries

Sayona's strategy

Source and **develop high purity flake graphite** for use in the rapidly growing, green technology sectors

Two development projects



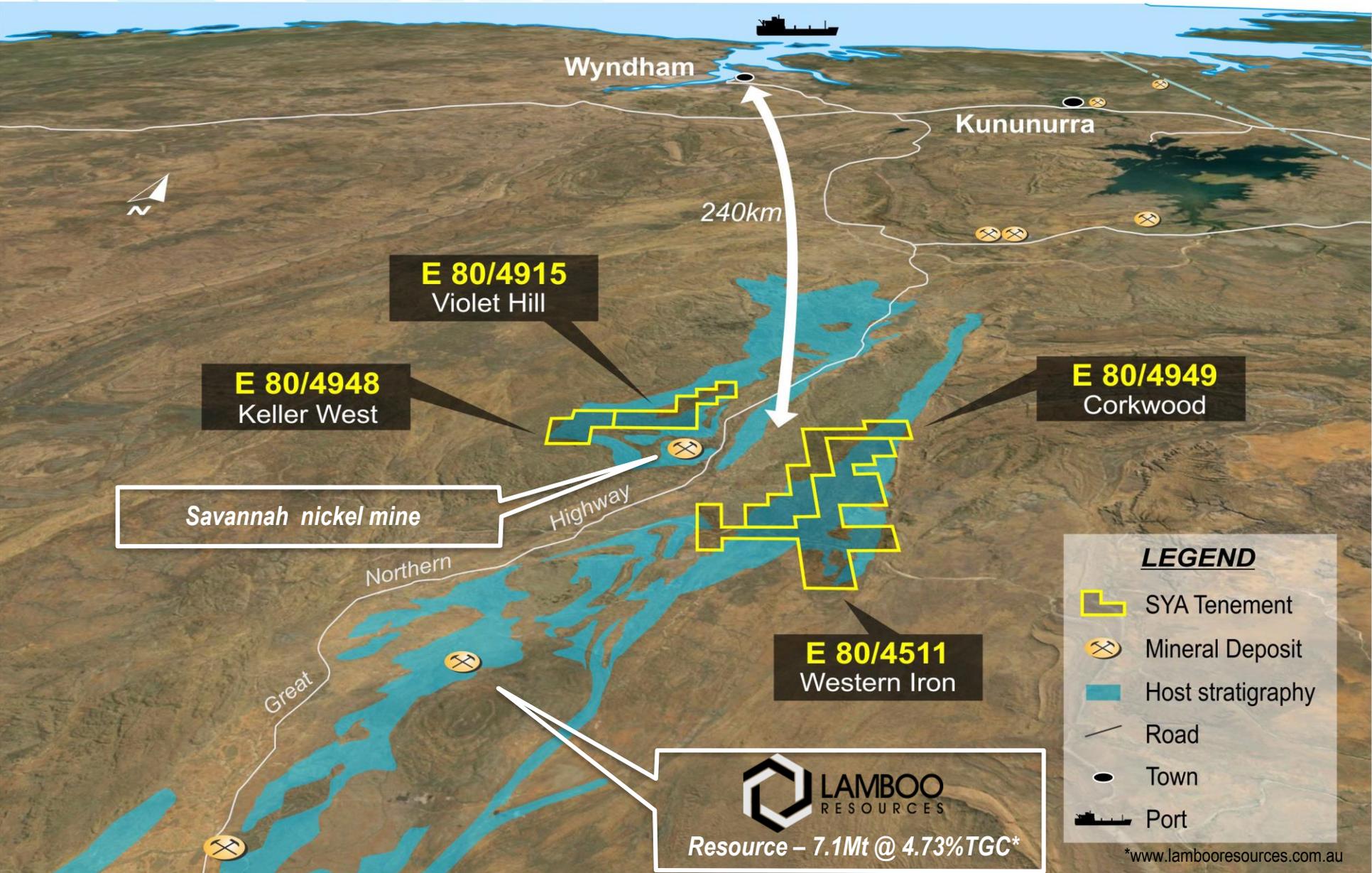
EAST KIMBERLEY

- 278 km² tenement package
- Located in a proven large flake graphite province
- Excellent infrastructure
- Drilled completed Dec 2015
- Drilling results pending

ITABELA

- 133 km² tenement package
- Located in world's second largest graphite producing region
- High-purity large flake graphite
- Excellent infrastructure
- Drilling to commence Feb 2016

East Kimberley Project



Wyndham

Kununurra

240km

E 80/4915
Violet Hill

E 80/4948
Keller West

E 80/4949
Corkwood

Savannah nickel mine

Highway

E 80/4511
Western Iron

Northern

Great

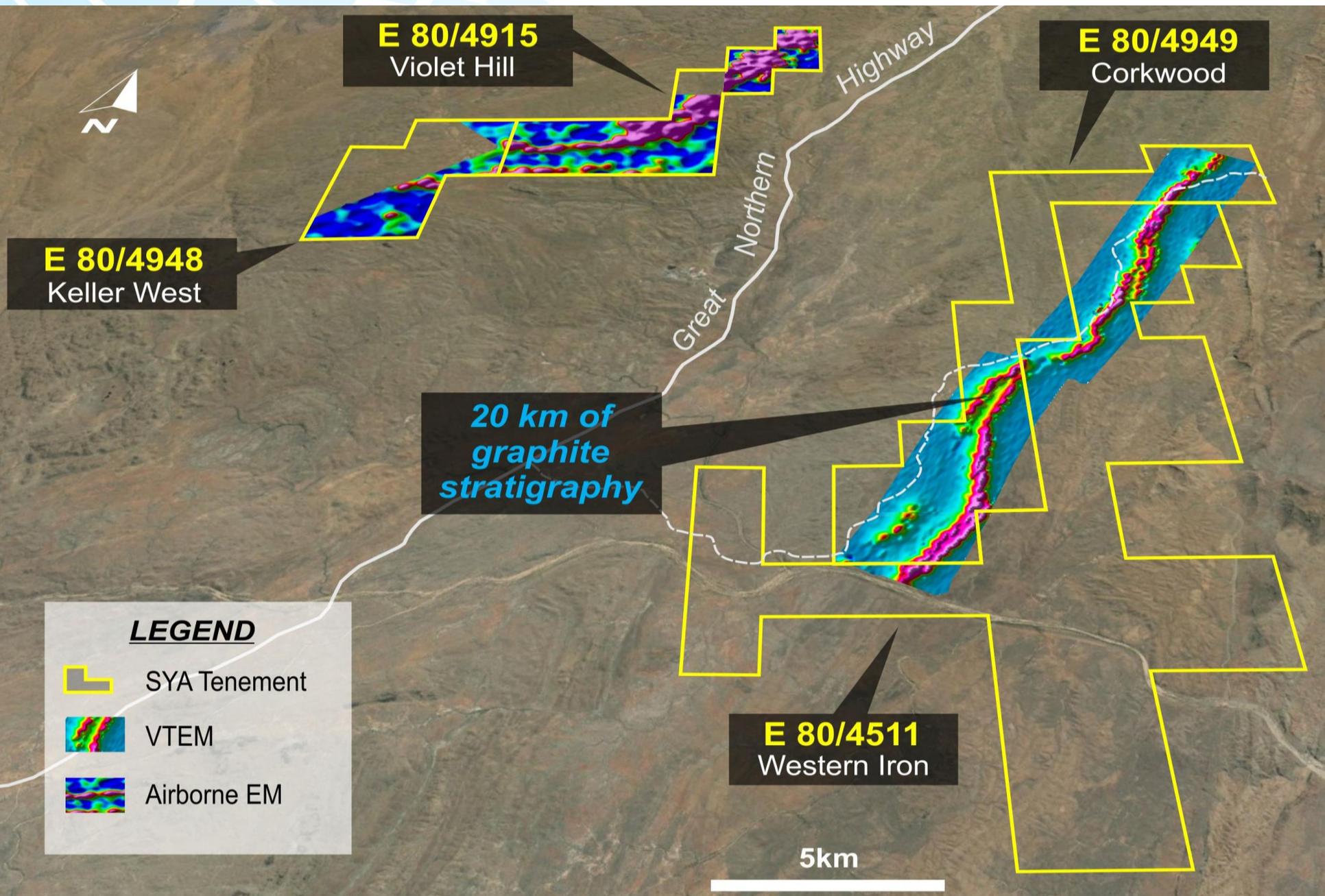
LEGEND

- SYA Tenement
- Mineral Deposit
- Host stratigraphy
- Road
- Town
- Port

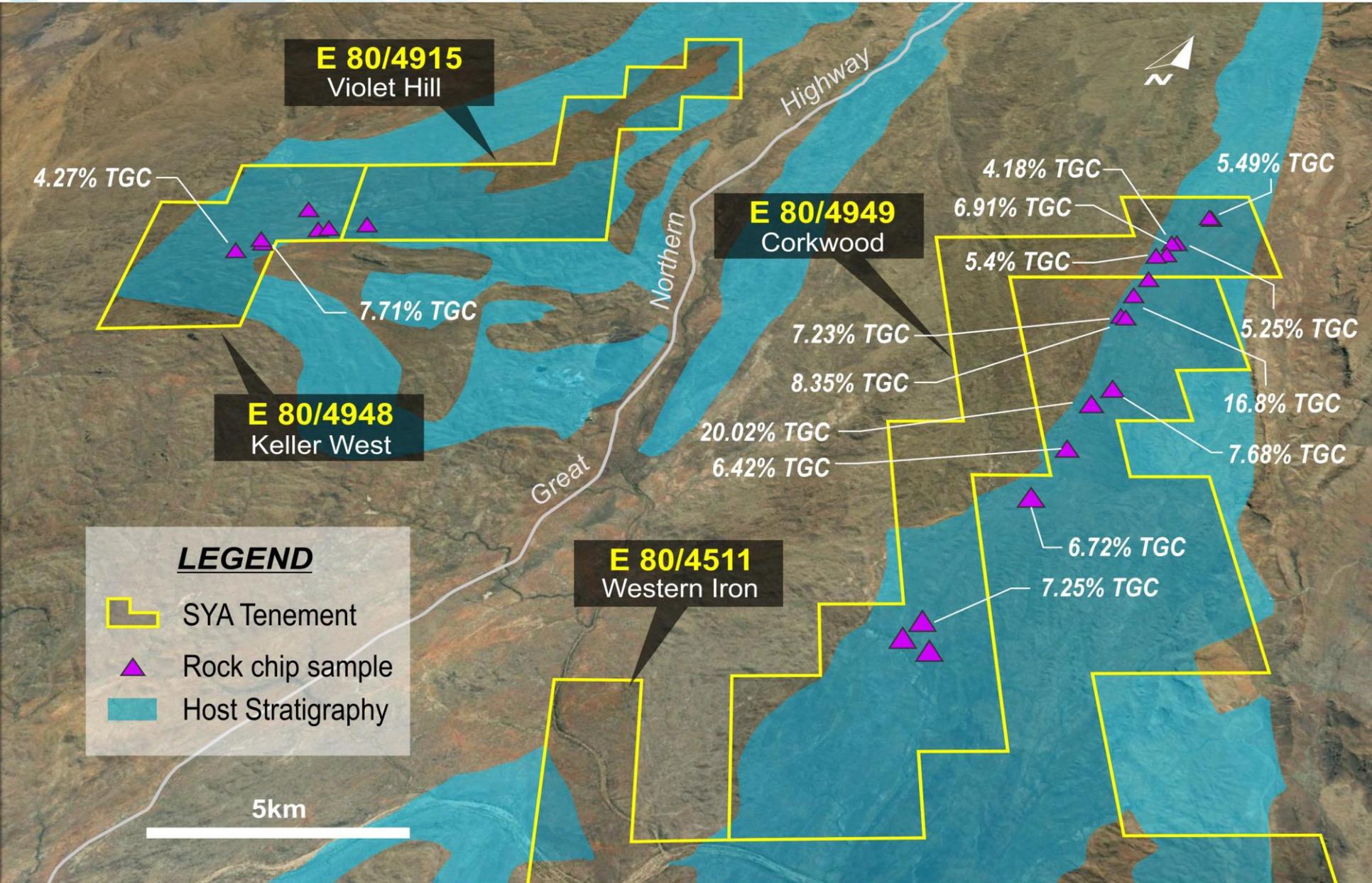


Resource - 7.1Mt @ 4.73%TGC*

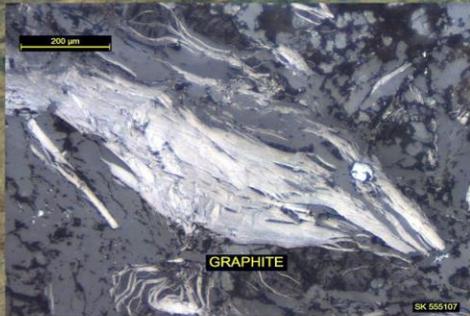
Geophysics highlights 20km structure



Corkwood - a major new graphite discovery



Jumbo and large flake size demonstrated



Drill Hole
19m graphitic gneiss

E 80/4949
Corkwood

5.49%, 4.03% TGC

Costean - 20m+ graphite gneiss exposed
75% over 500 micron

2.96% TGC
75%+ over 500 micron

5.25%, 4.18% TGC

5.4% TGC
50%+ over 500 micron

6.91% TGC
30% over 500 micron

5.07% TGC
10% over 500 micron



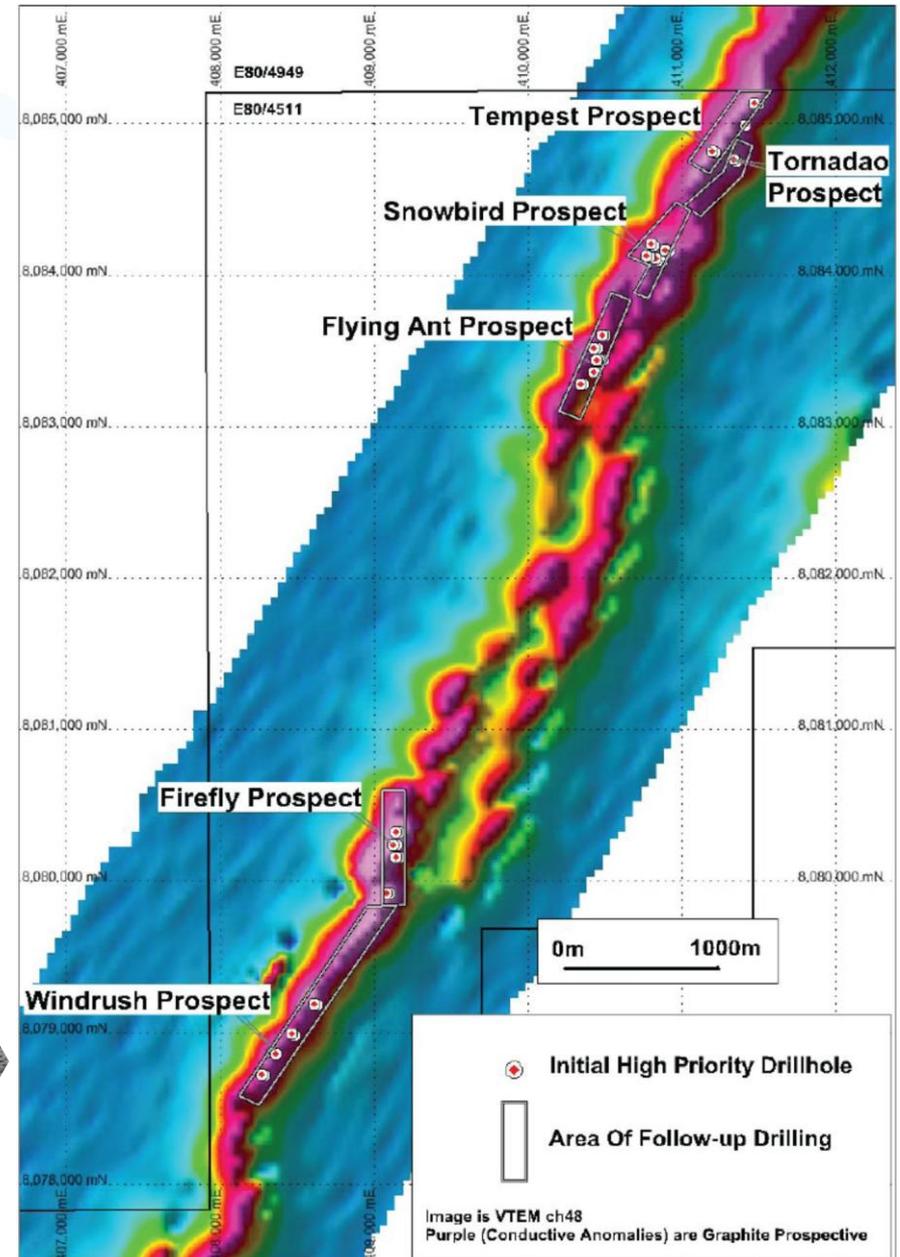
LEGEND

-  SYA Tenement
-  Rock chip sample showing % TGC and flake size
-  Graphite target strike zone

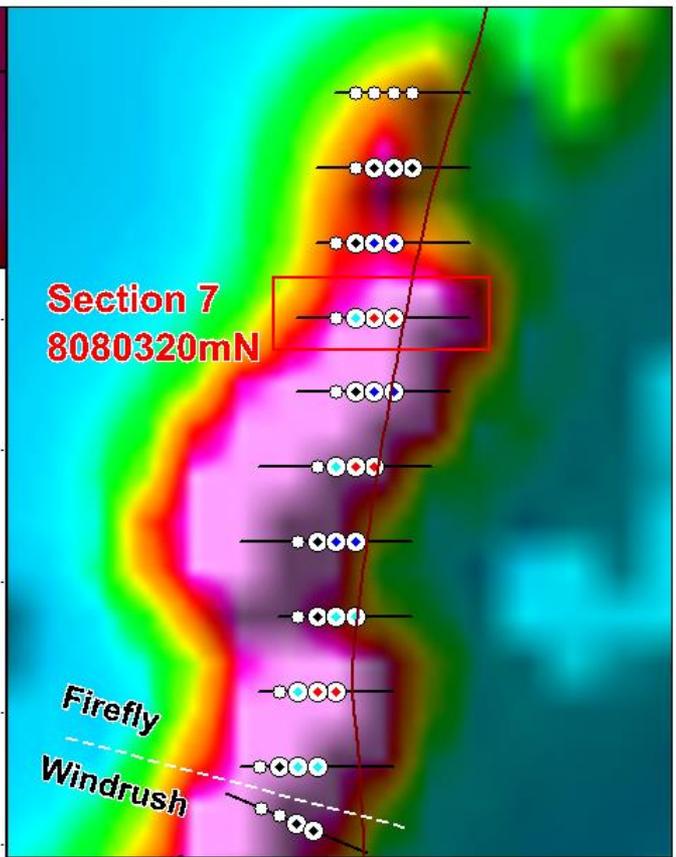
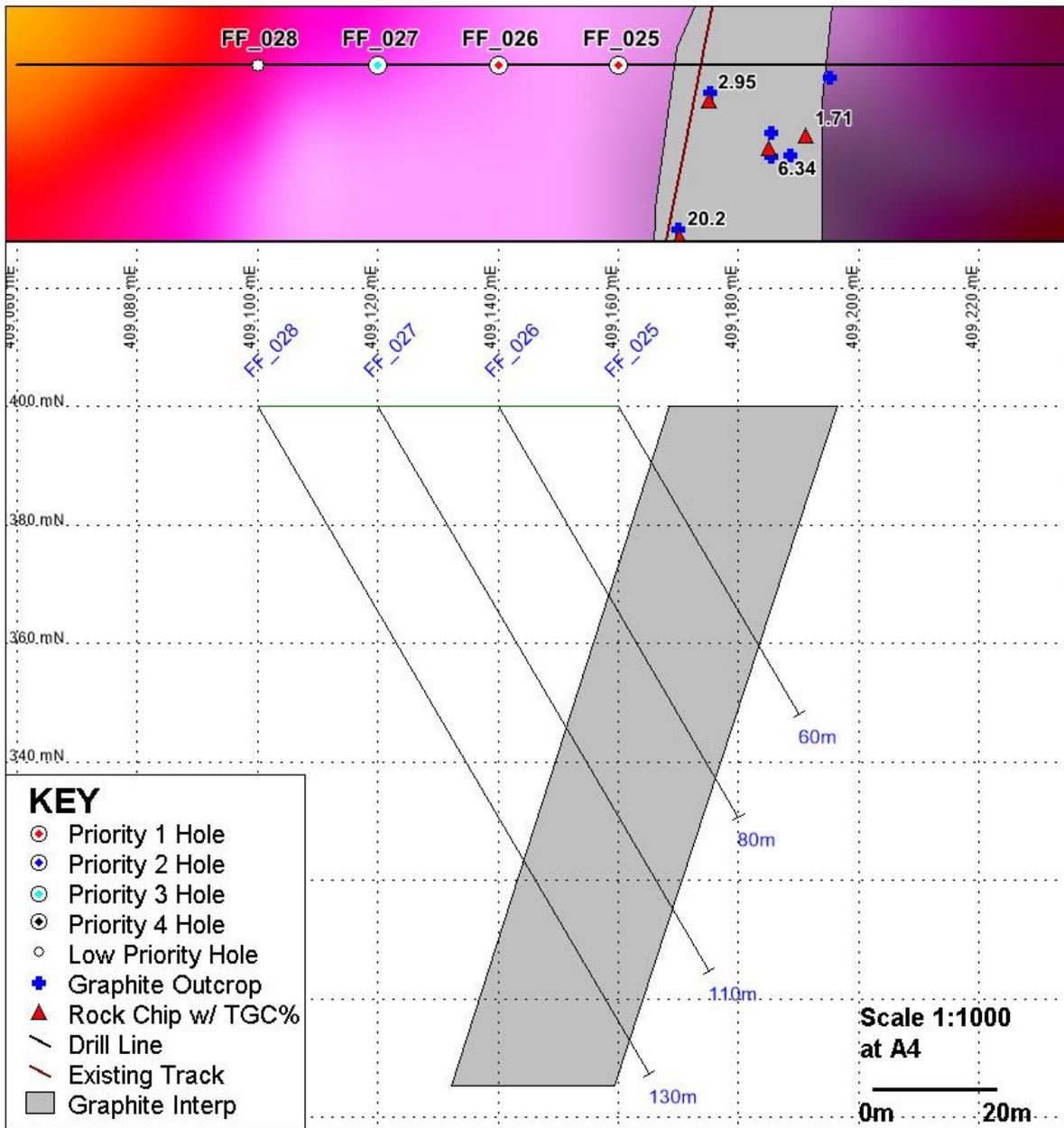
2km

East Kimberley Drilling – Dec 2015

3,000m of drilling completed – assays pending – at six prospects



East Kimberley Drilling – typical cross section



Sayona Mining Pty Ltd
 Corkwood Graphite Project
 Firefly Prospect - Section 7
 Priority 1
 FF_025, FF_026, FF_027 & FF_028

Regional infrastructure



240 km from Wyndham Port

Regional mining services centres

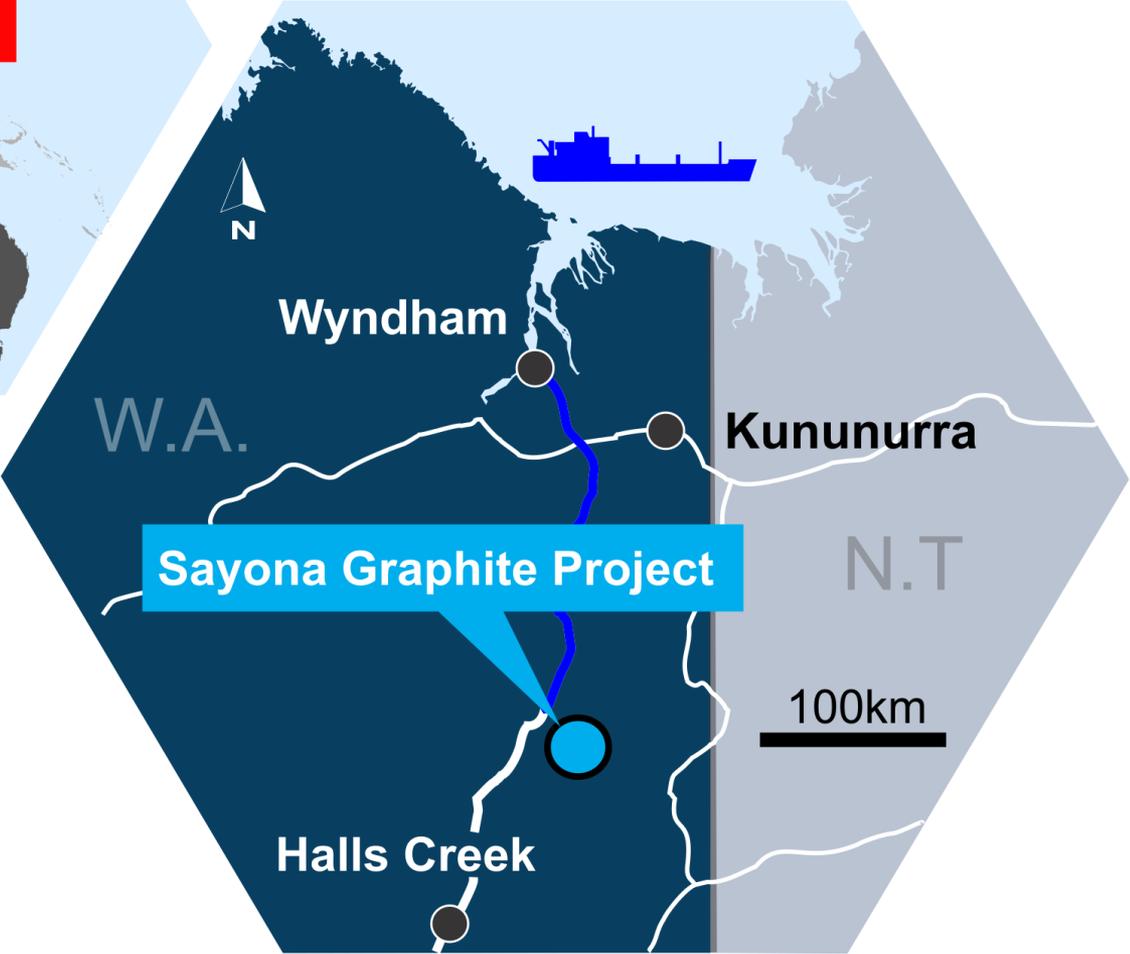
High quality **sealed roads**

Local **skilled** workforce



Savanah nickel mine and **12MW power station**

CLOSE TO ASIAN MARKETS



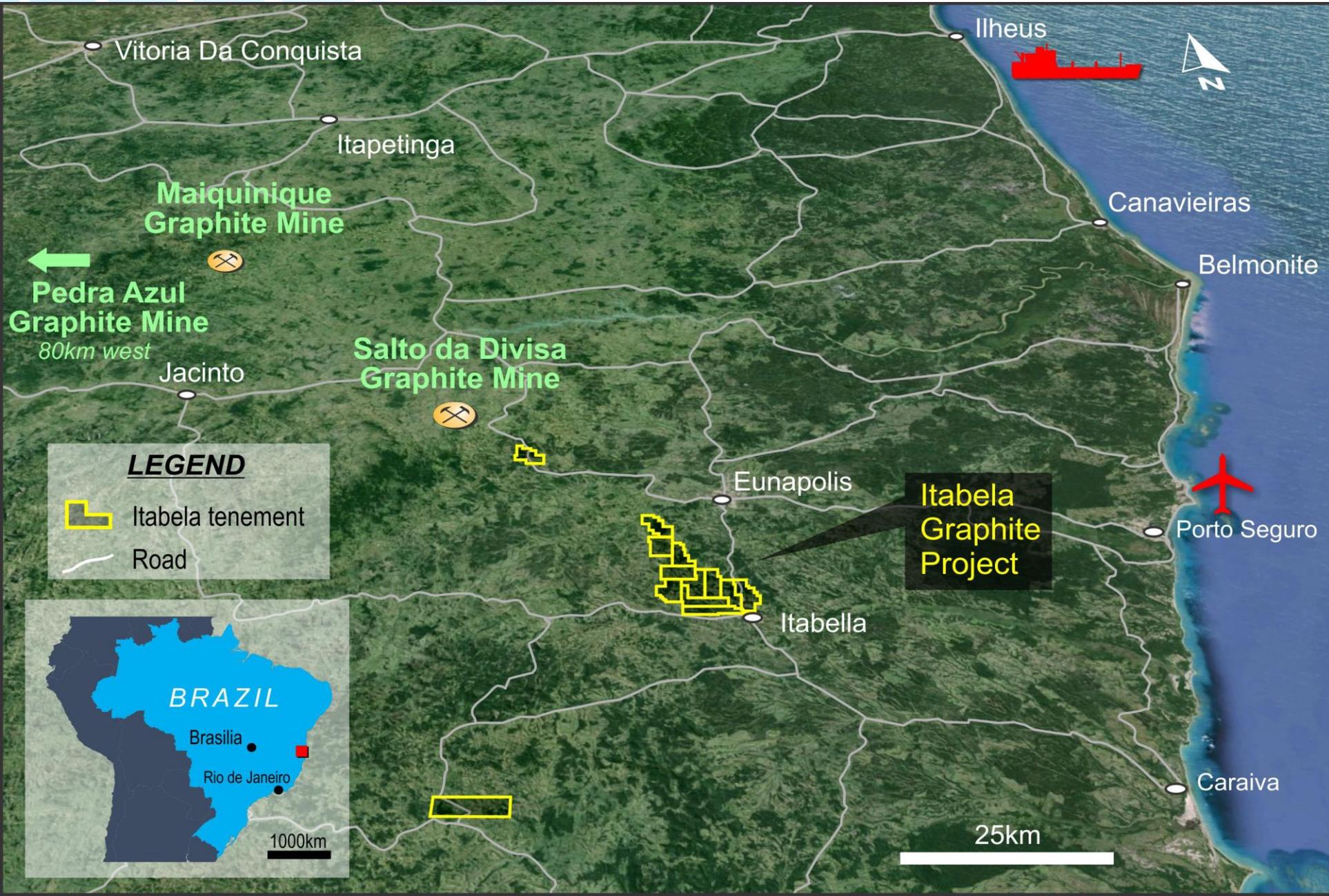
Targeting a JORC Resource in 2016



- 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

Flake Size	Mesh 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

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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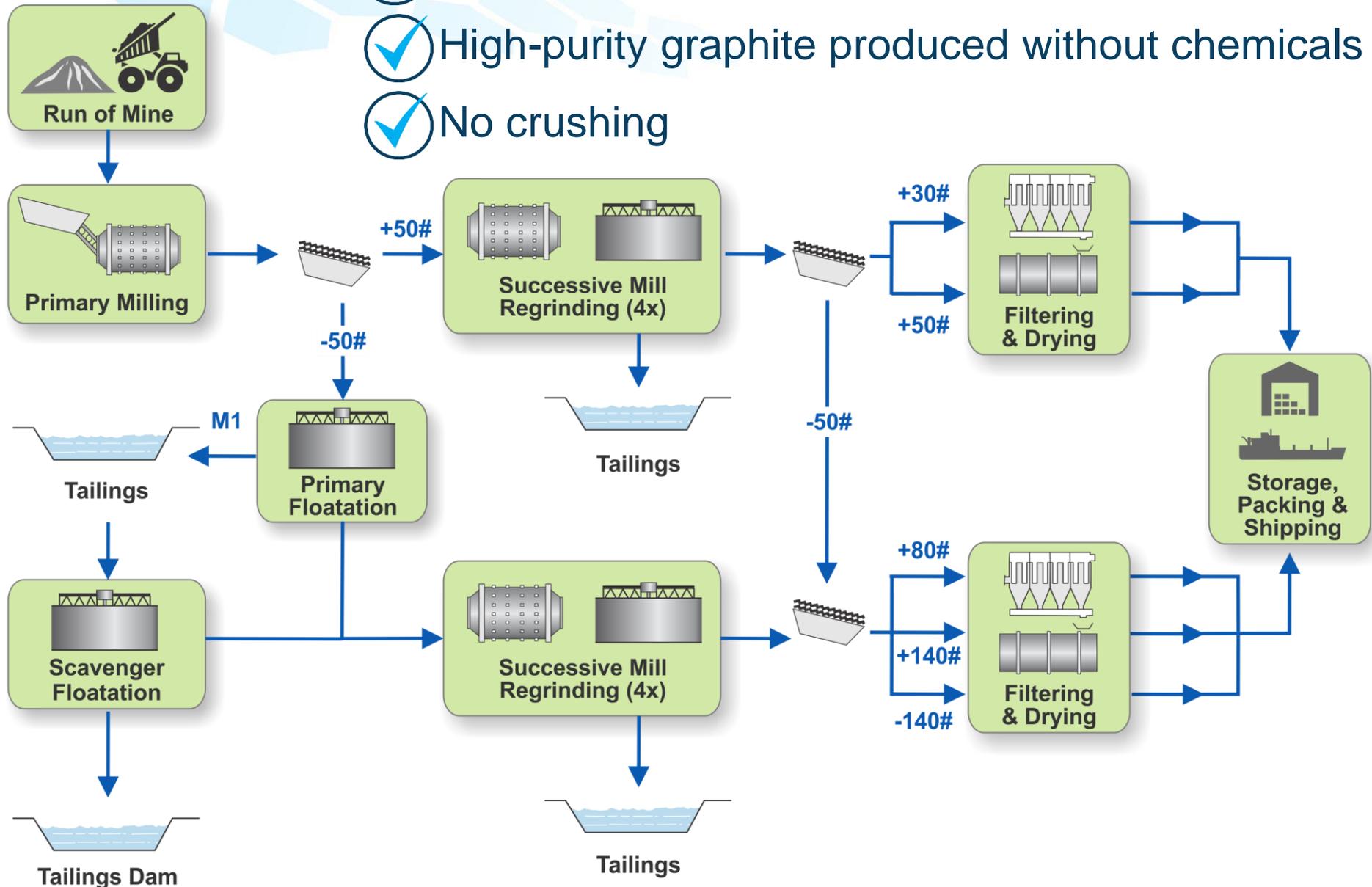
PROFIT

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
- ✓ No crushing



Well established infrastructure

Porto Seguro Airport



Gas



Itabela township



Power



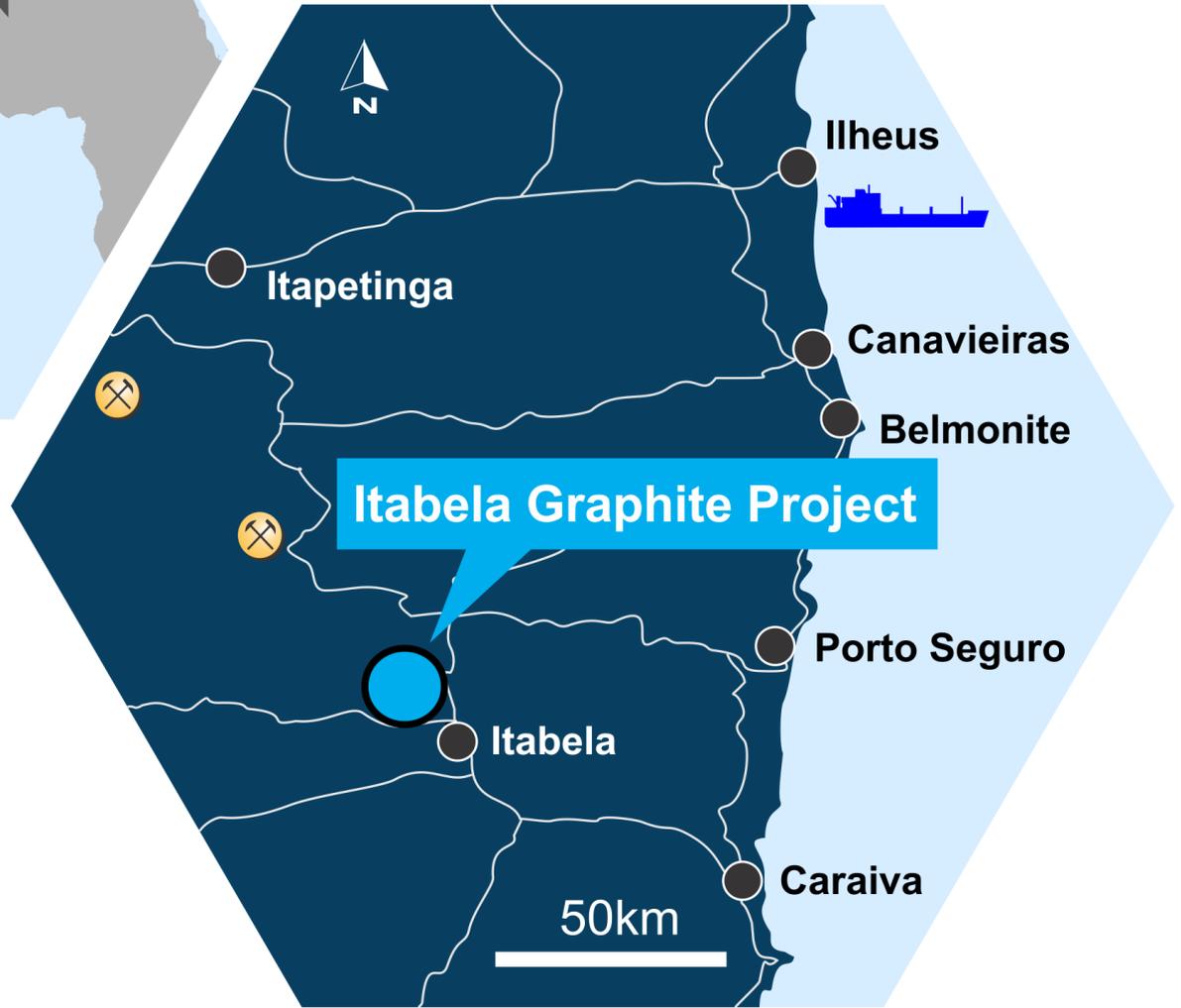
Water



Support services



CLOSE TO USA & EUROPEAN MARKETS



Itabela – positive project economics



**Shallow
Pit**



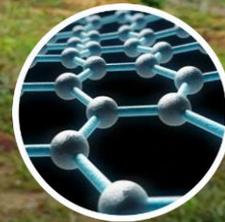
**Simple
Process**



**Low
Cost**



**Large
Flake**



**High
Purity**



**Good
Infrastructure**

Itabela's next steps

Drilling to
commence
February 2016



- Option to purchase secured *
 - Flake size
 - Purity
-

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

Corporate snapshot

TRADING EXCHANGE

ASX: SYA/SYAO

SHARES/OPTIONS

517 Million shares

110 Million options

SHAREHOLDERS

DIRECTORS **44%**

TOP 20 **74%**

CAPITALISATION

Price **1.9¢**

*as at close 19 Jan 2016

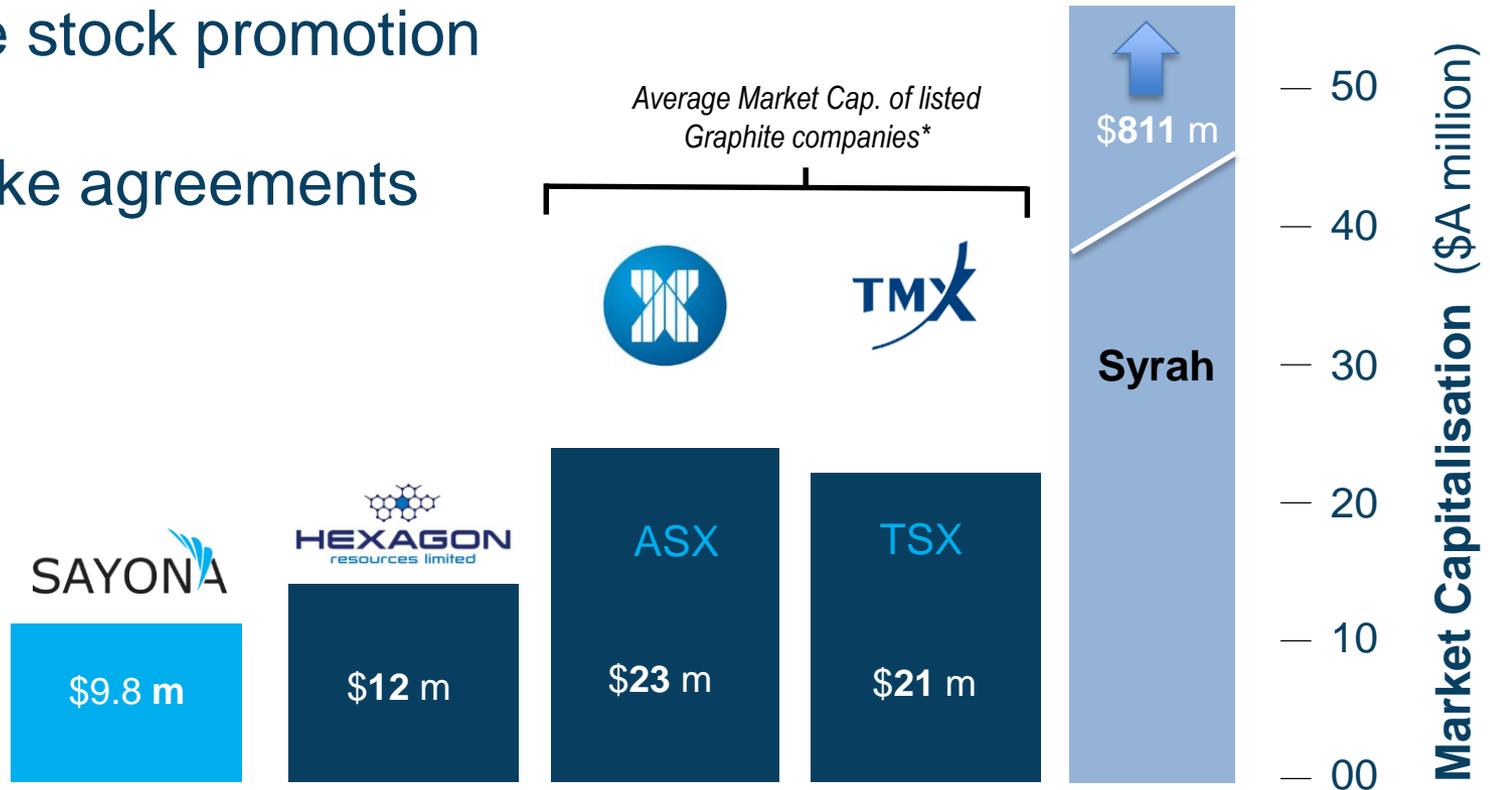
Market cap **\$9.8M**

Cash **\$1.46M**

As at Dec 2015

Share price drivers

- ✓ East Kimberley assay results
- ✓ Drilling and resource definition phase at Itabela
- ✓ Active stock promotion
- ✓ Off-take agreements



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

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

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 Atgold Pty Ltd (“Atgold”) which provides geological services to Sayona. Atgold 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

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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The logo for SAYONA MINING LIMITED features the word "SAYONA" in a large, white, sans-serif font. To the right of the "A" is a stylized blue graphic consisting of three curved, overlapping shapes that resemble a flame or a mineral vein. Below "SAYONA" is the text "MINING LIMITED" in a smaller, white, sans-serif font. The entire logo is set against a dark teal background with a white hexagonal pattern.

SAYONA
MINING LIMITED

