

*Sourcing the
raw materials
of the future*

ASX: SYA

SAYONA
MINING LIMITED
AUGUST 2016

Proactive Spotlight CEO Investor Sessions
**Charging Ahead To Develop
The Authier Lithium Project**

The Green Energy Revolution



Environmental

Reducing reliance on fossil fuels



Economics

Traditional power generation networks costly and inefficient



Self Sufficiency

Improved economics of Li-ion batteries

The way we **Generate, Use, Distribute and Store** energy changing



Creating demand for **Lithium and Graphite** for use in batteries

The Company's strategy is to **change the world and power the future** by sourcing and developing the raw materials essential for lithium-ion battery production



SYA Value Proposition



Advanced, de-risked project - simple mining and well-tested metallurgy, and access to infrastructure



Executing a plan to get into **production and generate cash flow**



Low enterprise value compared to industry peers



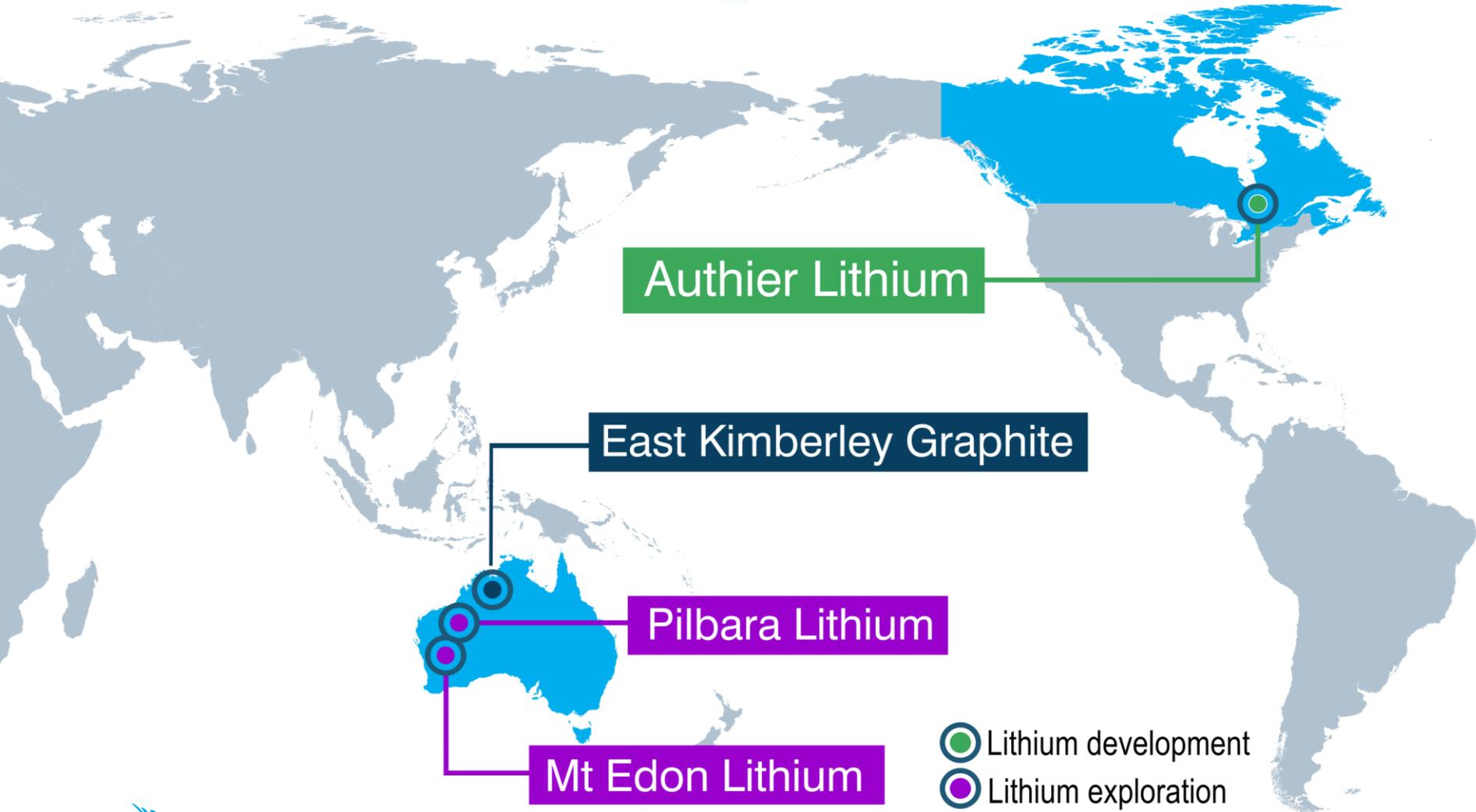
Board and management team have **track record of delivering projects**

Project Portfolio

Lithium



Graphite



Authier Lithium

East Kimberley Graphite

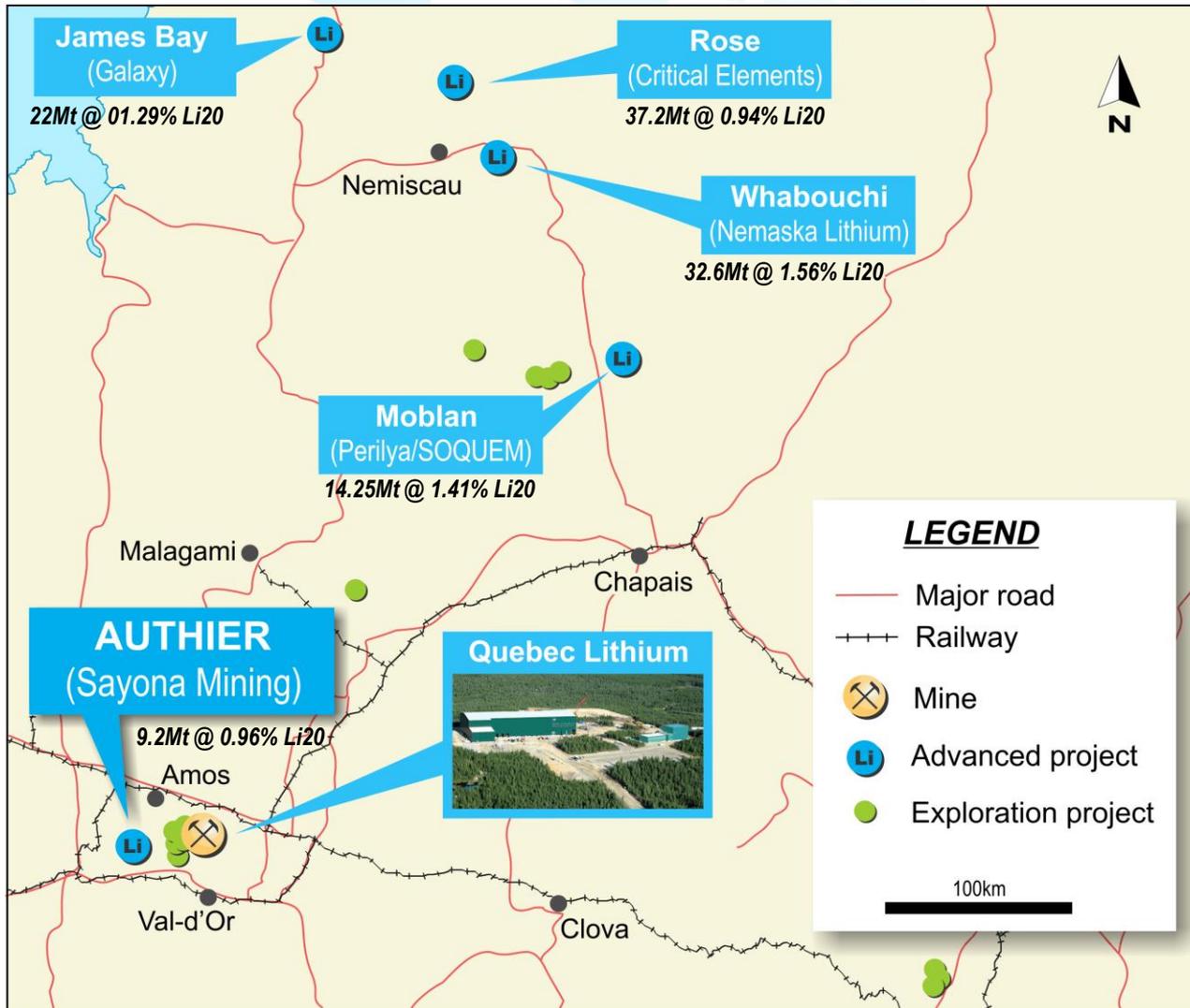
Pilbara Lithium

Mt Edon Lithium

- Lithium development
- Lithium exploration
- Graphite exploration

Quebec, Canada

A globally significant region for lithium deposits



Quebec has a well developed & Government supported mining industry

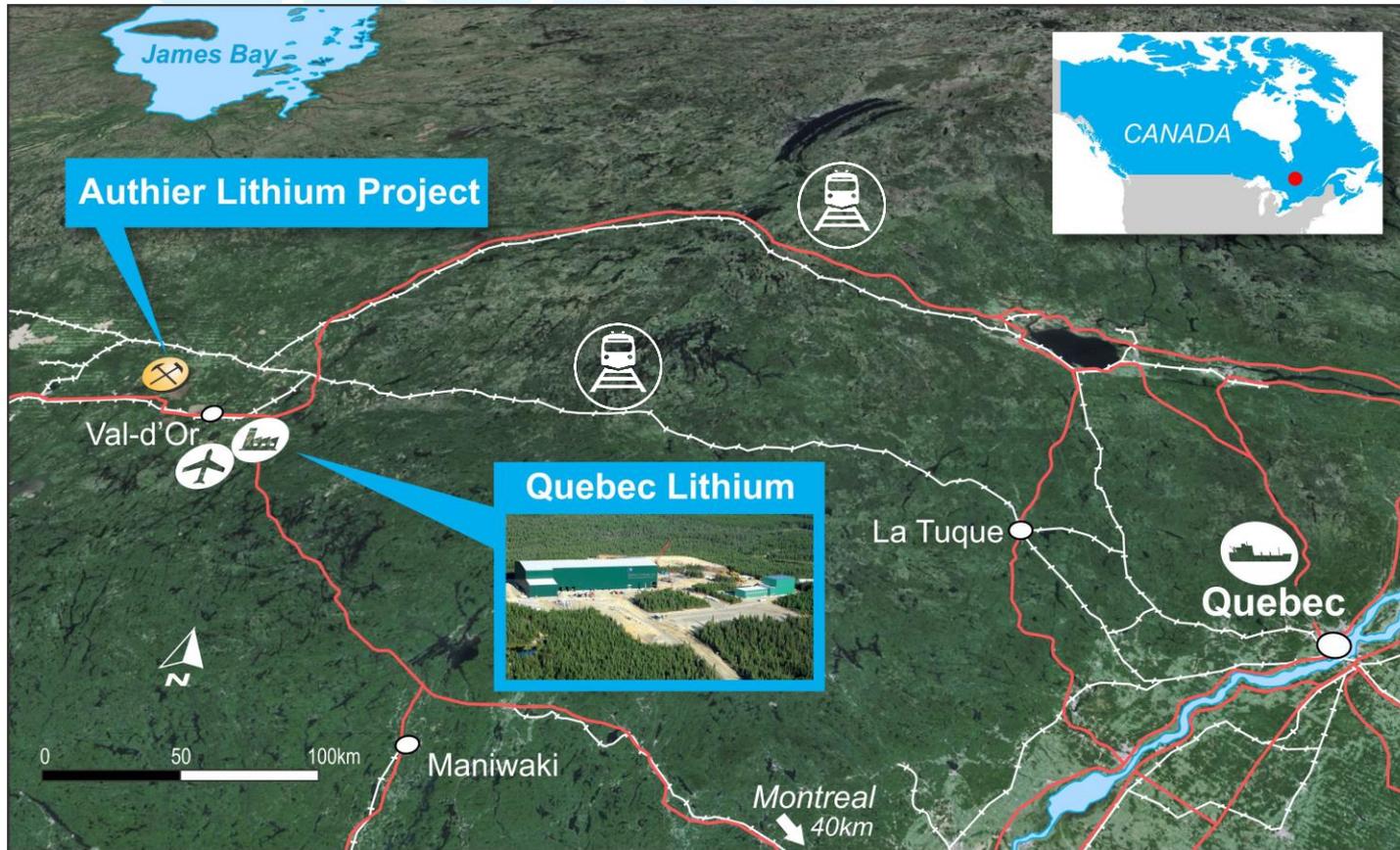
TOP rated mining jurisdiction by Fraser Institute (no. 6 in world)

Host to a number of large high-grade Lithium deposits

Most infrastructure and transport logistics constrained – require capital intensive lithium carbonate plants

Authier Infrastructure

Well established development infrastructure



Excellent Infrastructure

Low cost **hydro power**
Road and rail access
Experienced **local mining workforce**

653 ha
tenement package

Located in a major mining district

50km by road to the Quebec Lithium Plant

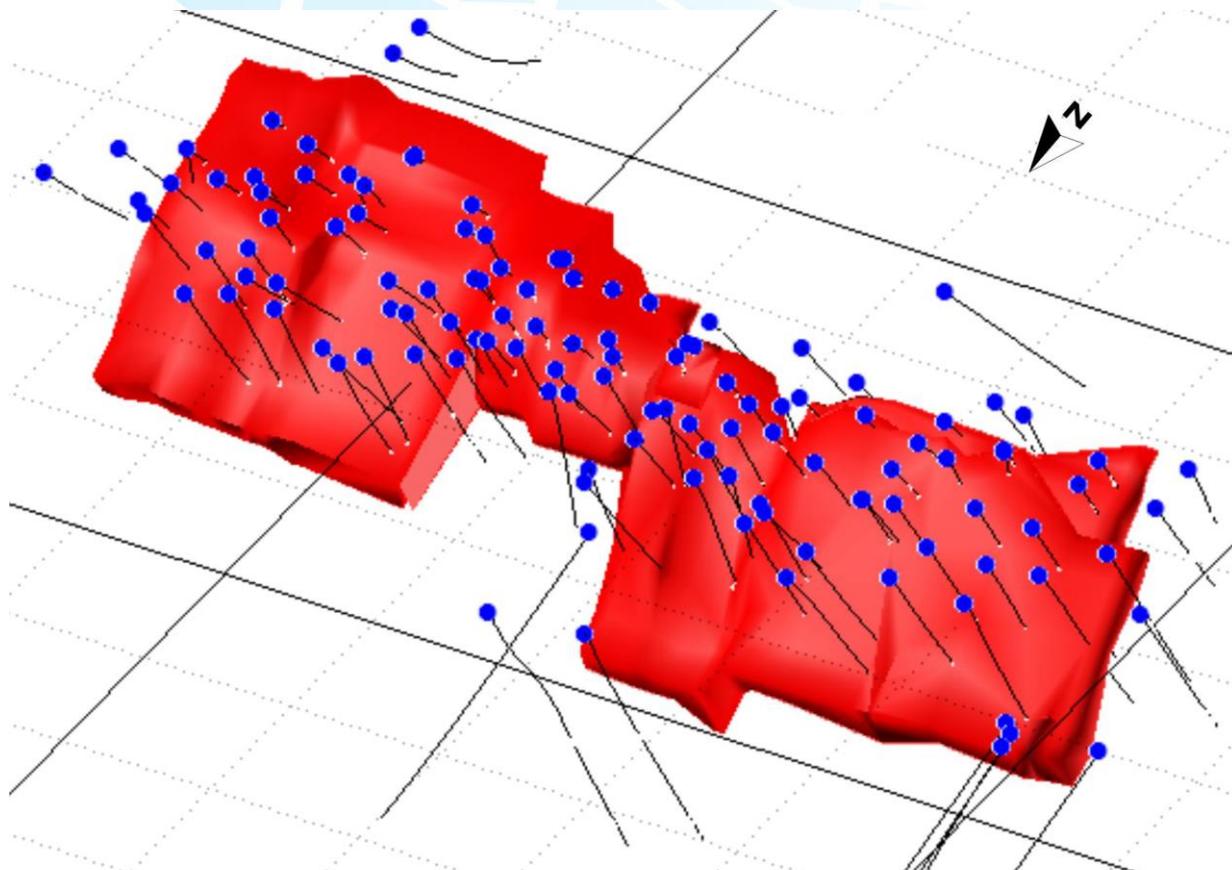




Authier Spodumene Bearing Pegmatite

Authier Lithium Deposit

Extensively drilled



15,000m
drilled

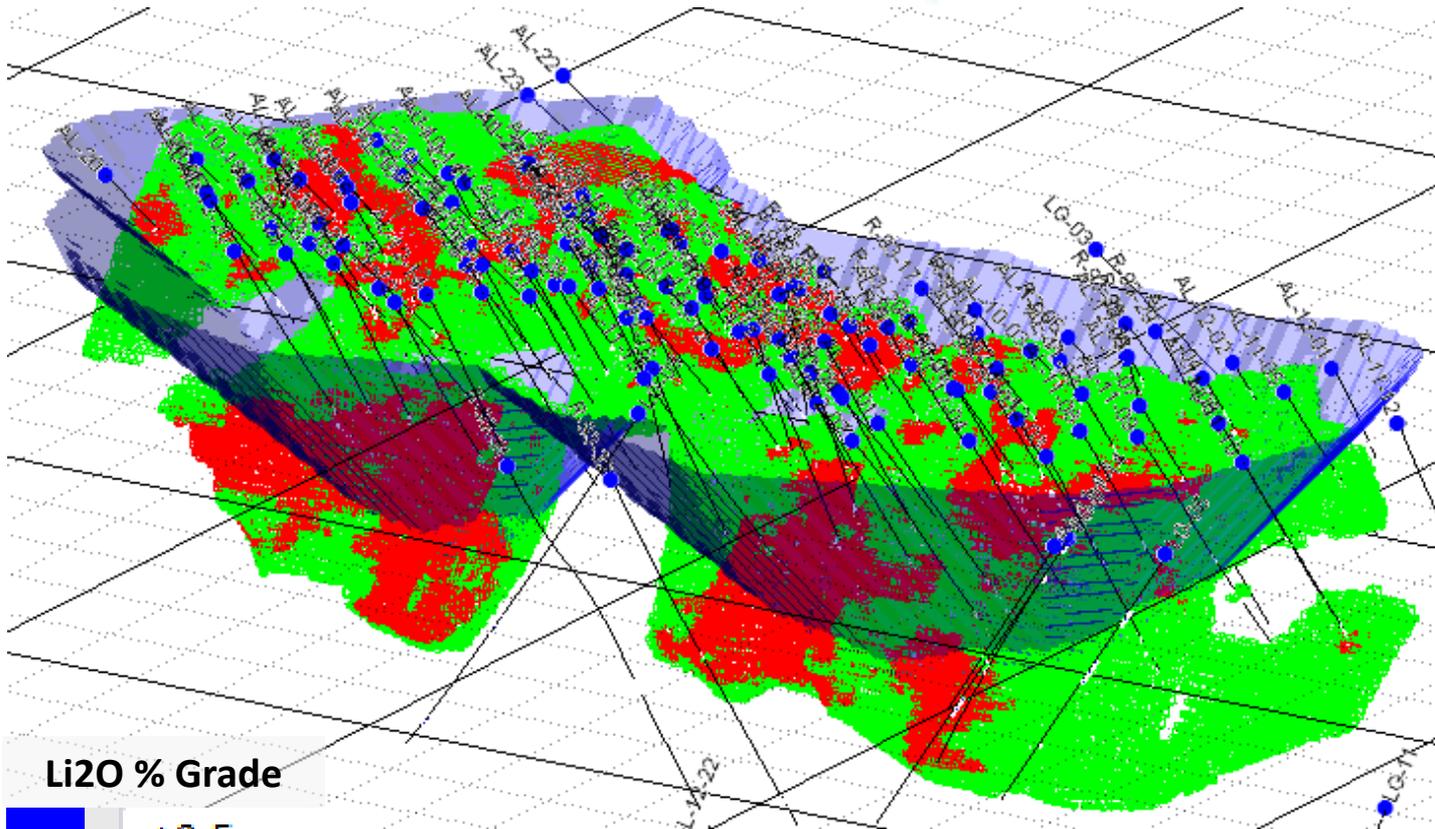
123
holes

2,143
lithium assays



Authier Lithium Deposit Pit Contour

Simple deposit geometry



Li2O % Grade

Blue	< 0.5
Green	0.5 to 1
Red	1 to 2
Magenta	>= 2

Authier Deposit

825m long
25m average width

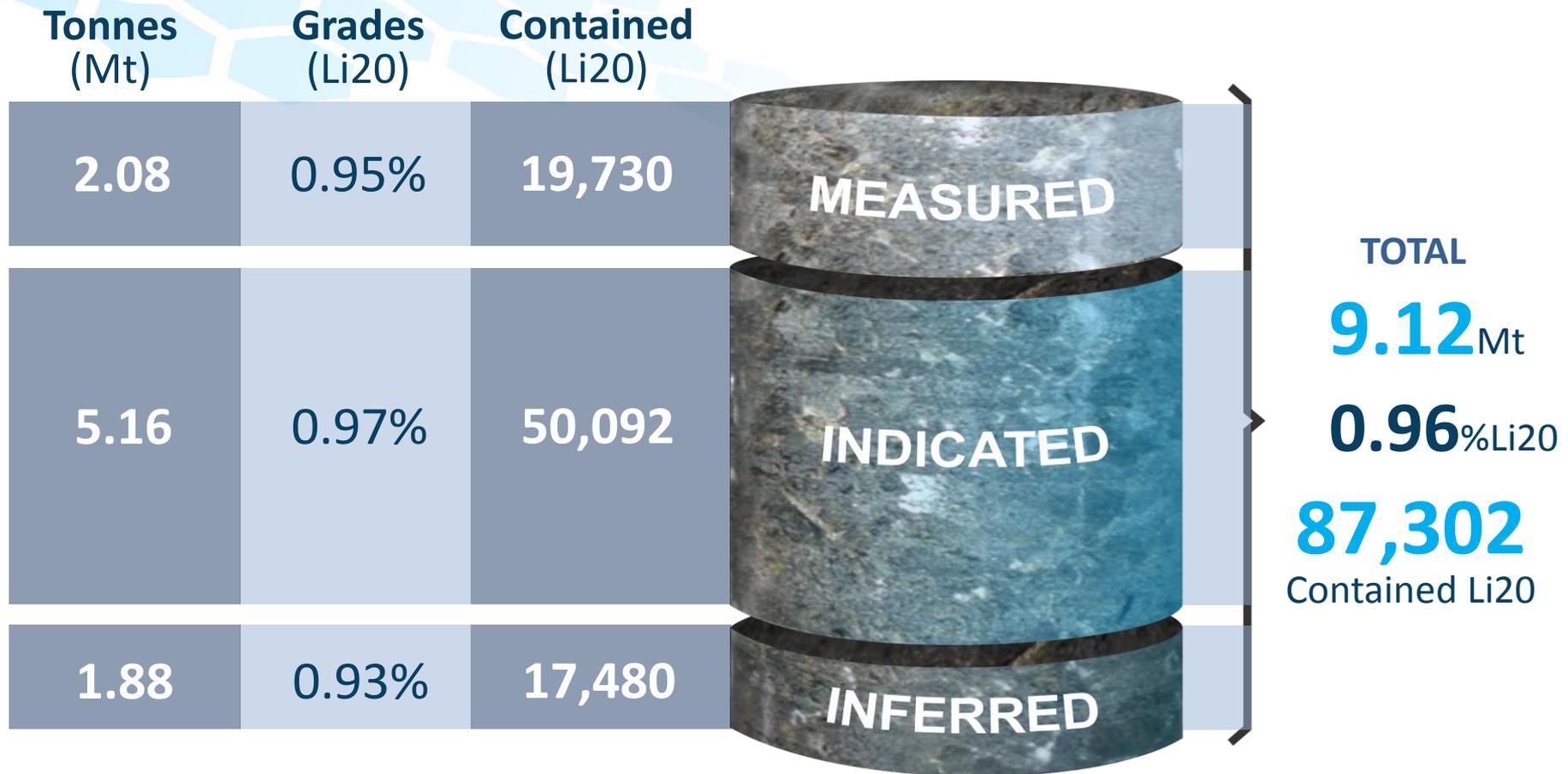
**200m deep and
still open**

Well studied

NI43-101
completed in 2013

**Commercial and
technical viability
confirmed**

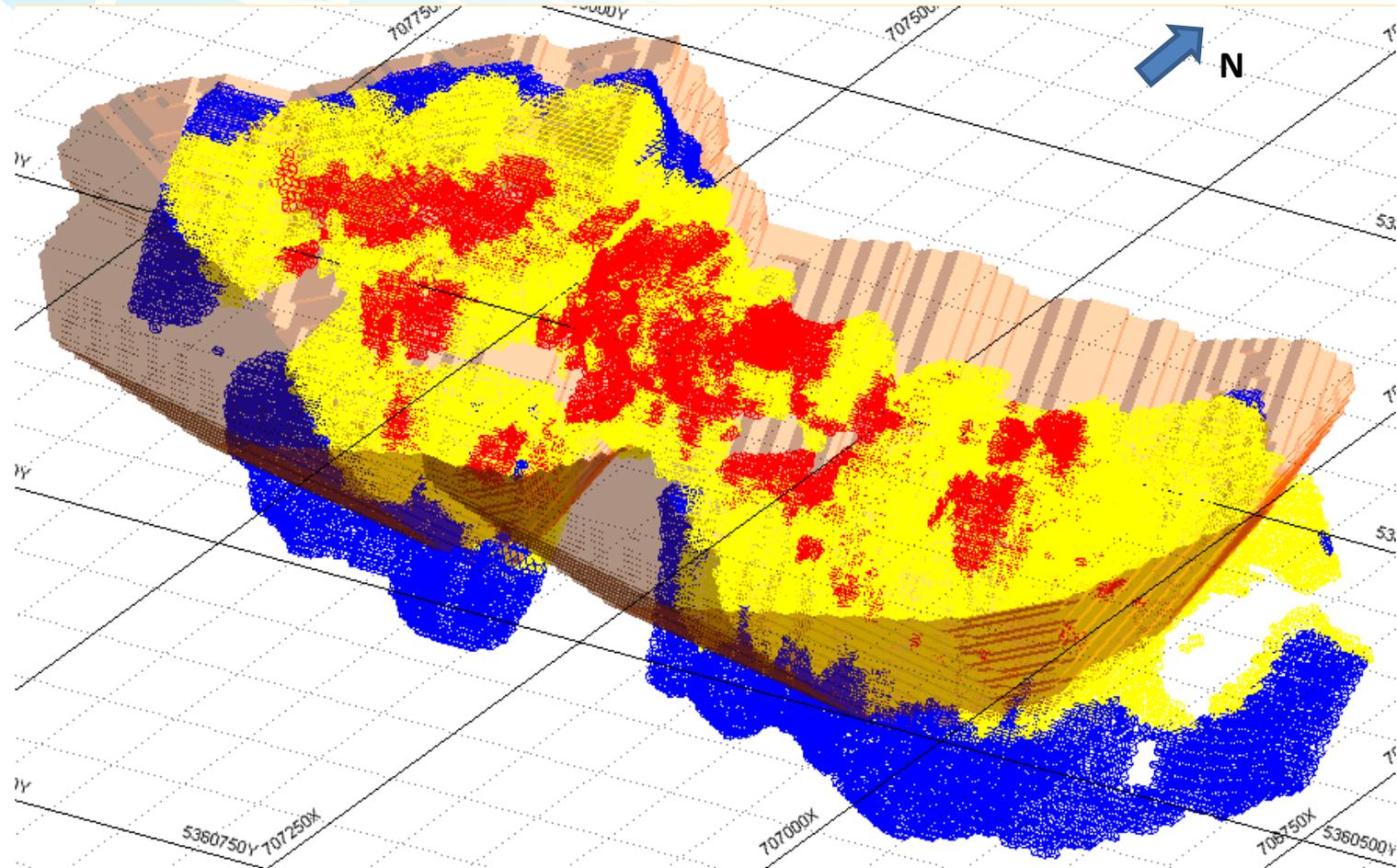
Authier JORC Mineral Resource



- 0.5% Li₂O cut-off grade*
- Cautionary Note - Mineral Resources are not Mineral Reserves and do not have demonstrated economic viability. There is no certainty that all or any part of the Mineral Resources estimated will be converted into Mineral Reserves estimate
- The resource has been estimated and reported in accordance with the guidelines of the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code 2012).

Authier Deposit Resource Distribution

High proportion of measured and indicated resources



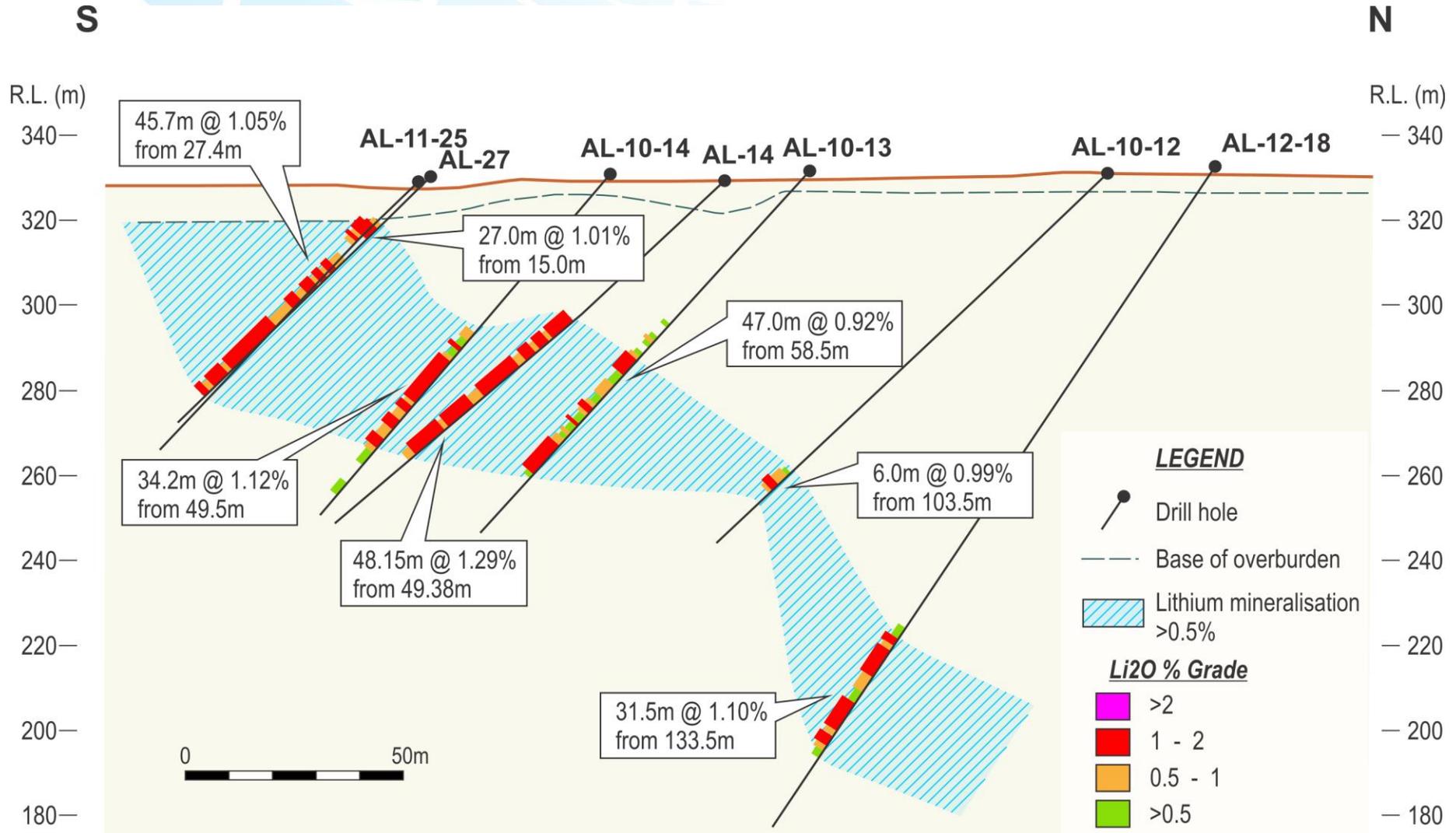
MEASURED
23%

INDICATED
57%

INFERRED
20%

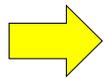
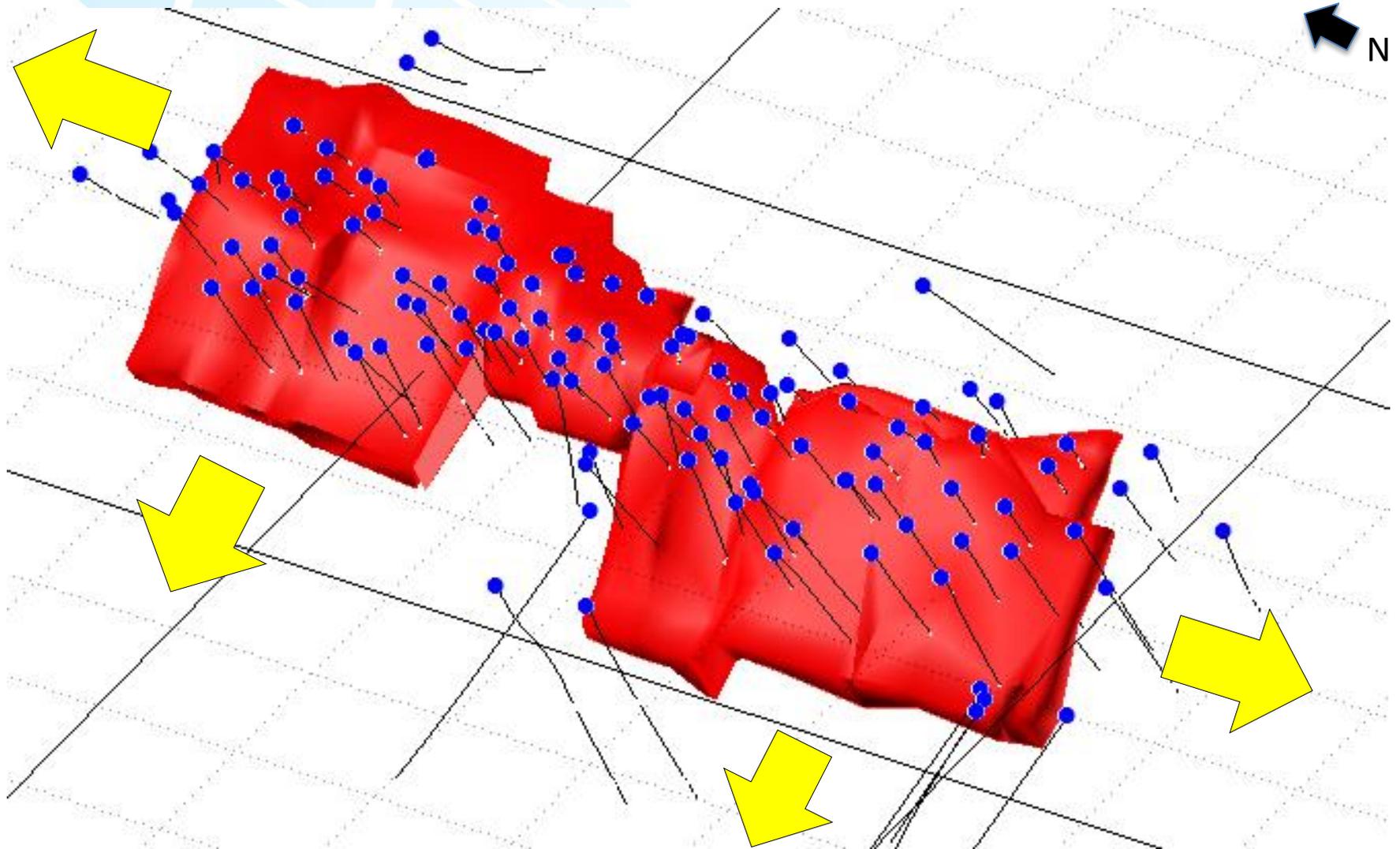
Authier Lithium Deposit Cross Section

Amenable to low-cost, open-cut mining techniques



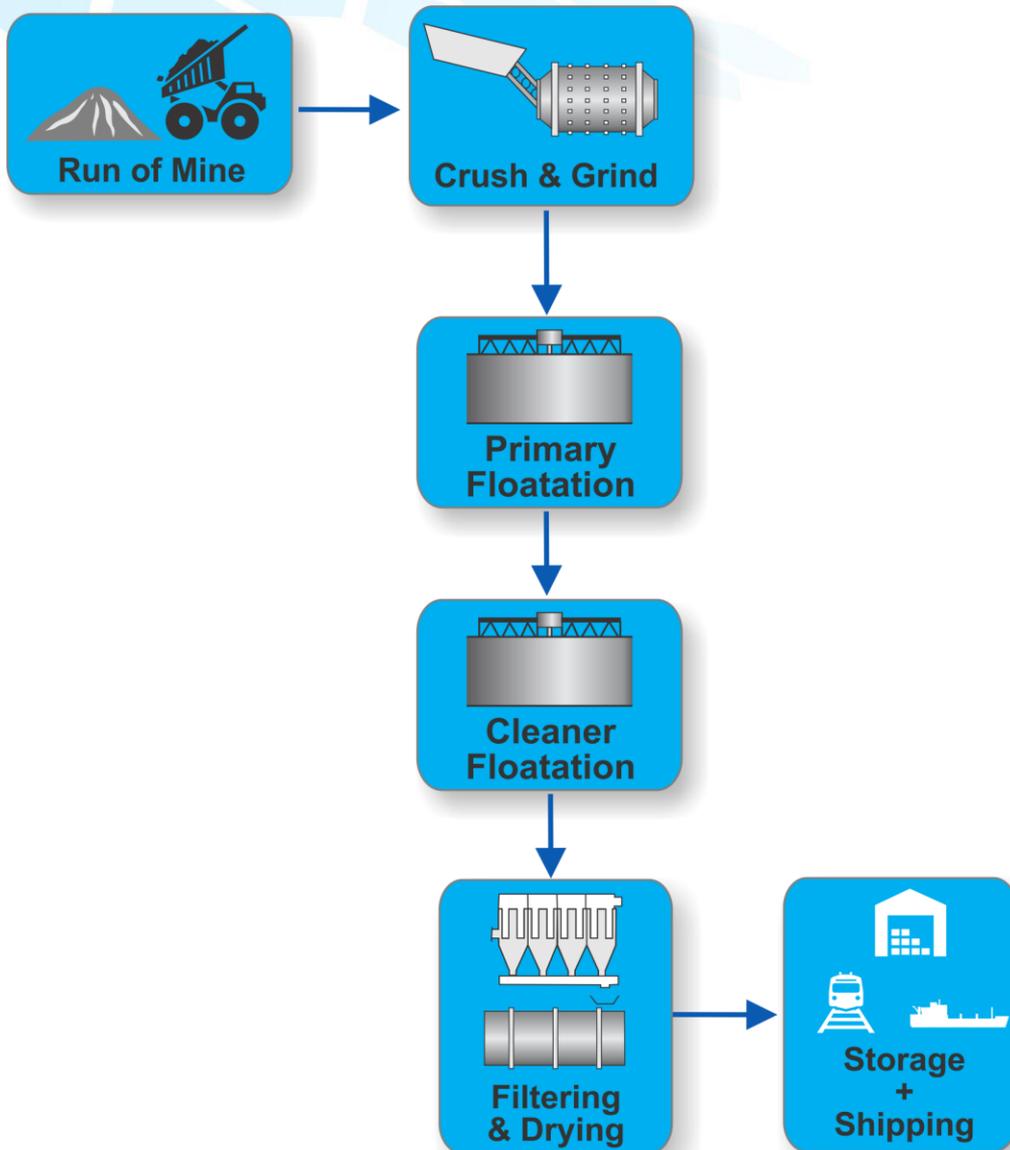
Authier Lithium Deposit Expansion Potential

Drilling to commence in September 2016



Authier Metallurgy

Conventional processing route



Flowsheet Design

85% recovery

5-6% Li₂O concentrate

Optimisation Options

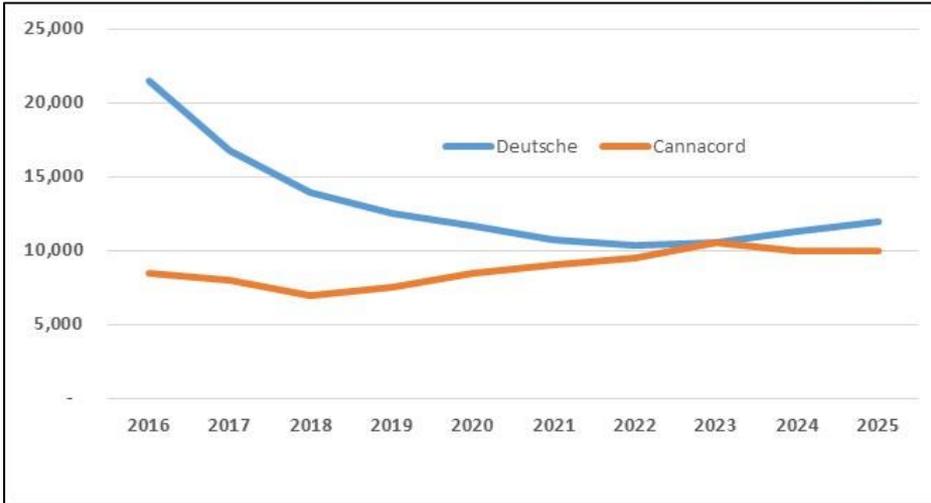
Dense Media Separation

Downstream processing into intermediate products

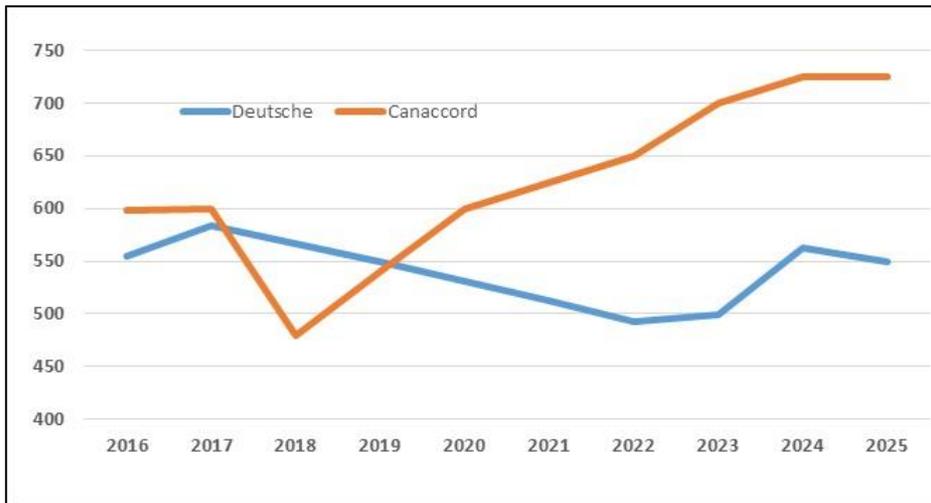
Spodumene Concentrate Pricing

Attractive price outlook for concentrates

Lithium Carbonate Price Forecasts*



Spodumene Price Forecasts*



Galaxy selling concentrates at US\$600/t

Significant higher than the Authier 2013 NI-43101 PEA price of CAD\$525/t

Lithium carbonate manufacturers still making attractive margins at long-term spodumene concentrate prices

Cost of 6% spodumene	US\$550/t	US\$700/t
Conversion recovery	85%	85%
Factor @ 6% concentrate	7.93	7.93
Concentrate cost	US\$4,362	US\$5,551
Freight/Insurance	US\$250	US\$250
Conversion cost	US\$2,000	US\$2,000
Total cost to Li₂CO₃	US\$6,612	US\$7,801
Converter margin @ US\$10,000/t Li ₂ CO ₃ price	US\$3,389	US\$2,199
Converter margin %	34%	22%

Source: Macquarie estimate. * Deutsche and Cannacord reports. US\$/tonne

Authier Project Summary



PROJET AUTHIER LITHIUM

WWW.GLENEAGLERESOURCES.COM

Nous ne sommes pas responsables des accidents.

PROJET GÉRÉ PAR:



WWW.SERVICESGFE.CA

1 877 727 4080



Low
Purchase
Price



Extensively
Drilled



Well
Studied



Open Pit



Simple
Process



Good
Infrastructure

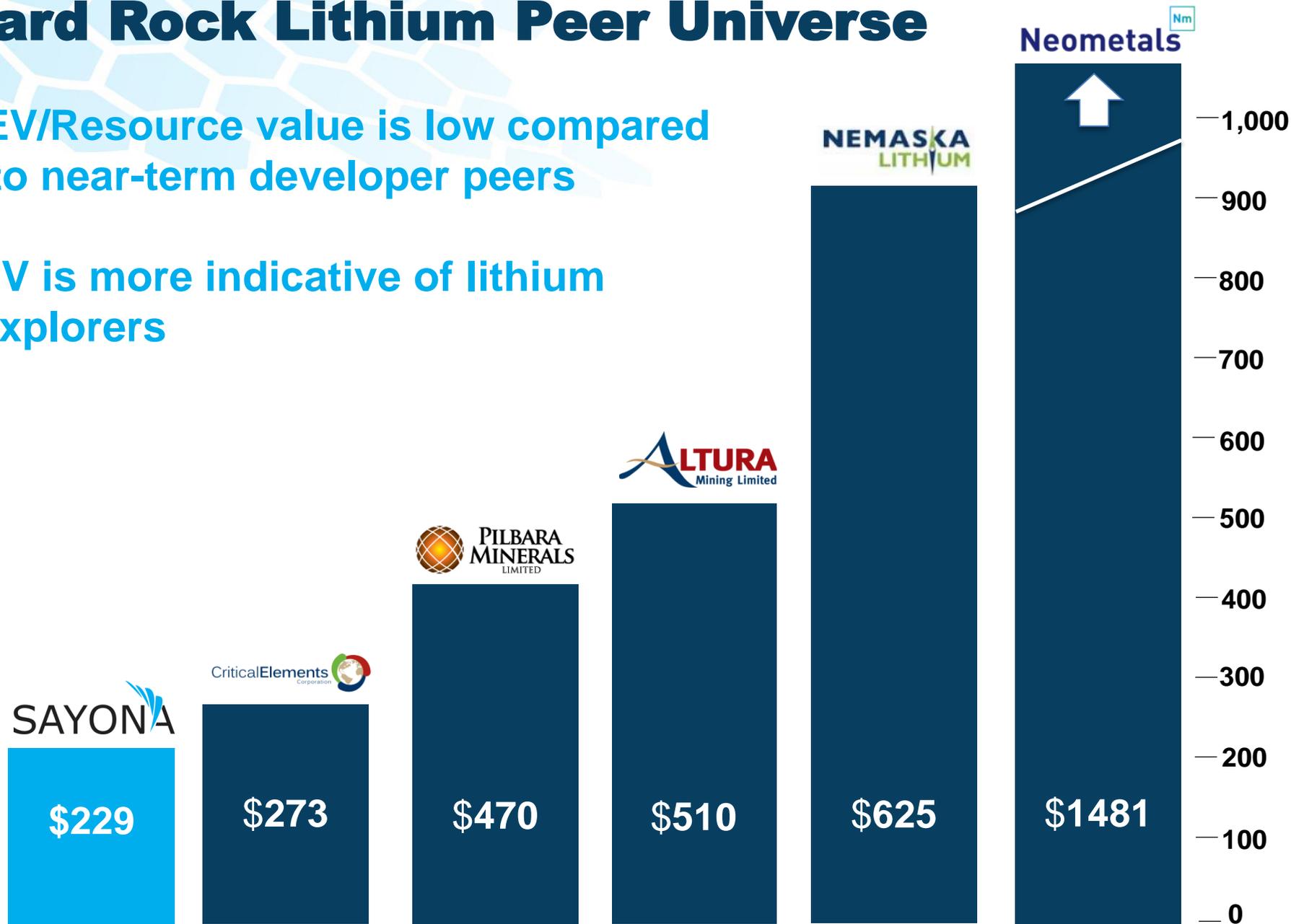
Authier Next Steps



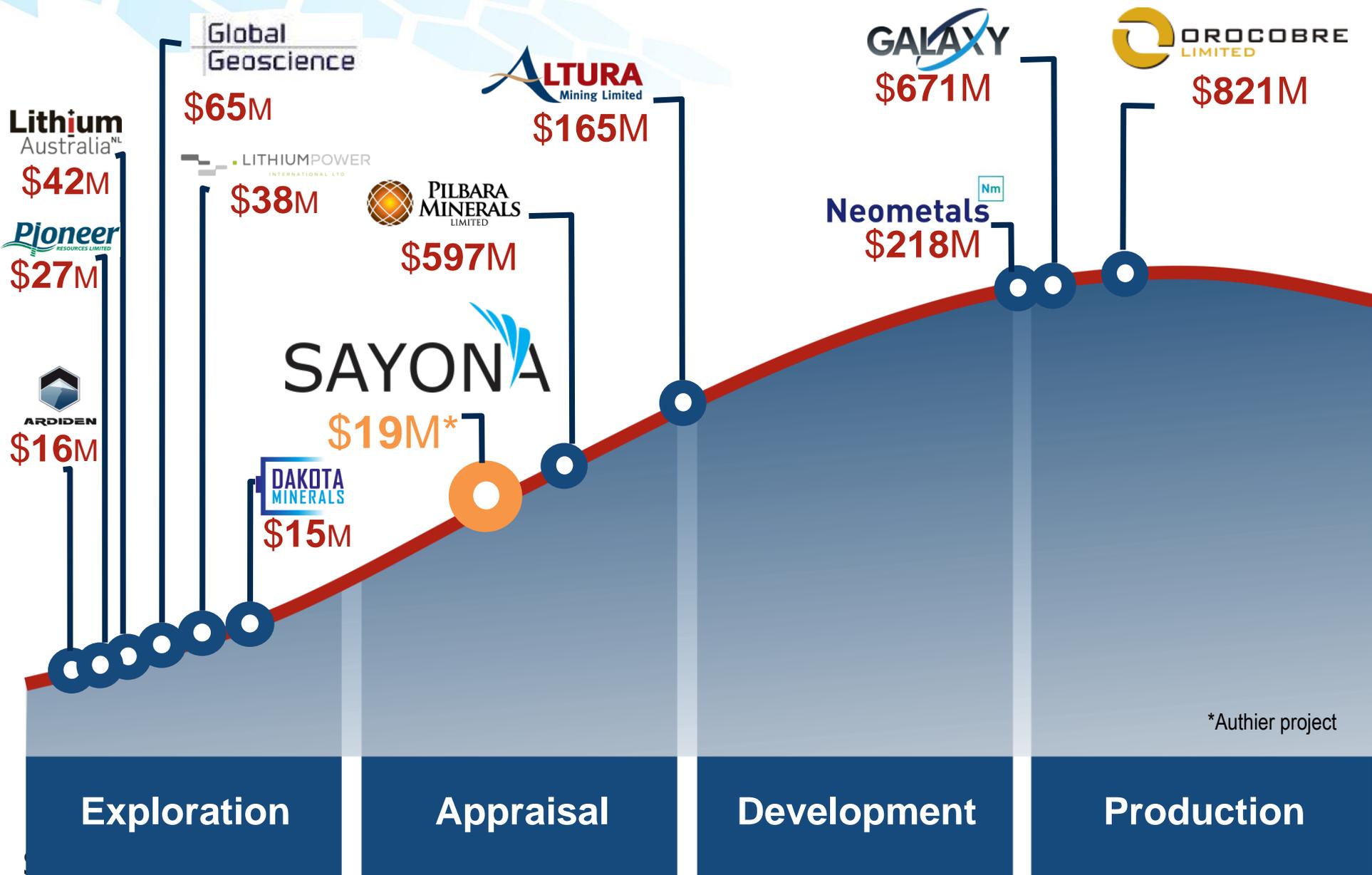
- ✓ Metallurgy program
- ✓ Pre-Feasibility Study
- ✓ Resource definition drilling
- ✓ Resource upgrade
- ✓ Bankable Feasibility Study
- ✓ Off-take and financing
- ✓ Construction and operation

Hard Rock Lithium Peer Universe

- EV/Resource value is low compared to near-term developer peers
- EV is more indicative of lithium explorers

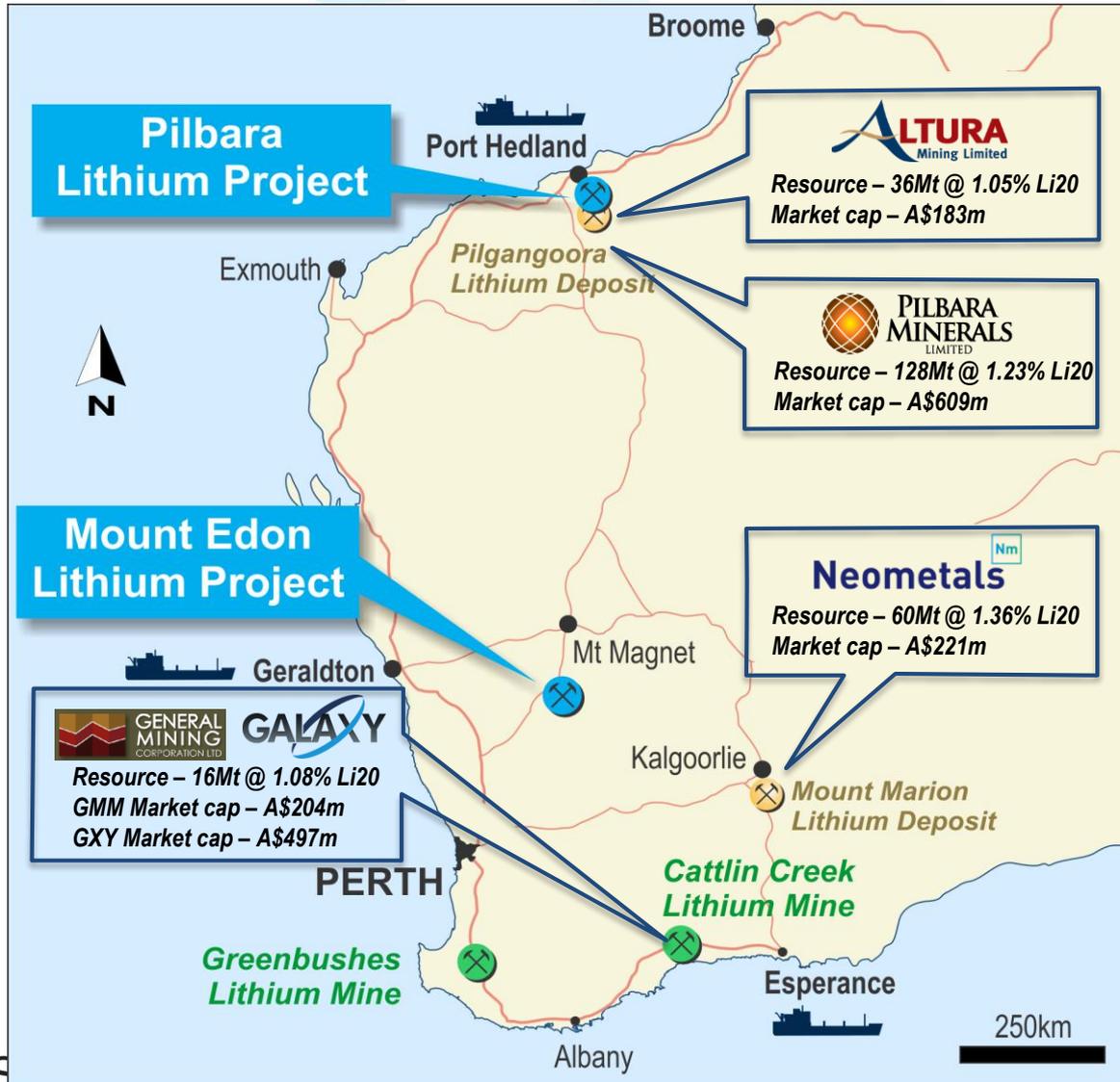


Authier Value Up-lift Potential



Western Australia Lithium Portfolio

A Globally Significant Region for Production of Lithium



Low-cost entry with

1,116 km²

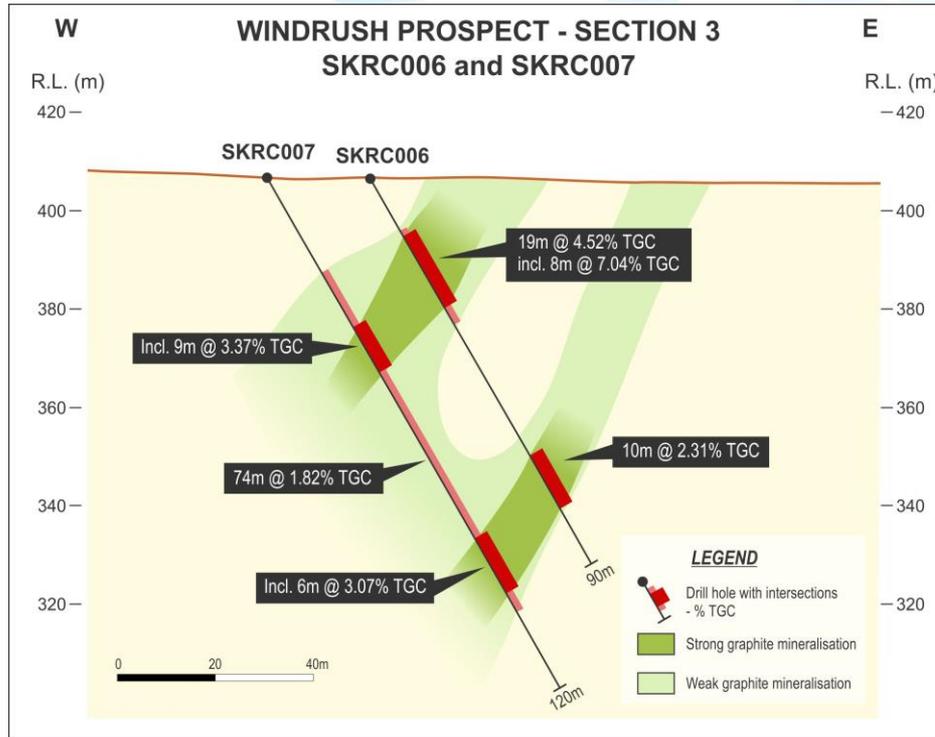
tenement holding,
including granted tenure

**Western
Australia**

a dominant global
producer of Lithium from
high-grade, hard-rock
PEGMATITES

East Kimberley Graphite Project

Diamond drilling planned to test grades and quality



3,000 m
drilling completed in
Dec 2015

6 km of 20 km
target zone drilled

Best assay
12%TGC

278km²
**tenement
package**

Proven graphite
province

Best Intercepts:
16m @ 5%TGC
22m @ 3.4%TGC

Open at depth and
along strike

Coarse graphite
observed

World-class
Infrastructure

for access to
**world
markets**



Corporate Summary

TRADING EXCHANGE

ASX: SYA/SYAO

SHARES/OPTIONS

800 Million shares*

266 Million options*
3c exercise, Dec 2016 expiry

SHAREHOLDERS

31% DIRECTORS

65% TOP 20

CAPITALISATION

Price **2.4¢**
As at 26 August 2016

Market cap **\$19M**

Cash **\$2.2M**
* Estimate following rights issue and conditional placement (Sept 2016)



Strong Team With Track Record of Success

- ✓ Expertise and experience in exploration, development and mining
- ✓ Strong skill set in Lithium exploration and development

Executive Team

Corey Nolan Chief Executive Officer

Simon Atwell Exploration Manager

Directors

Dan O'Neill

Paul Crawford

Allan Buckler

James Brown

Consultants

The logo for SGS, consisting of the letters 'SGS' in a bold, sans-serif font, with a vertical orange line to the right of the 'S' and a horizontal orange line below the letters.

Share Price Drivers

- ✓ Authier Pre-Feasibility Study and Drilling
- ✓ Western Australian lithium exploration
- ✓ East Kimberley Graphite Drilling Program
- ✓ Active stock promotion

Additional Information Slides On the Lithium and Graphite Industries



Lithium ...

Critical in the Energy Revolution

Goldman Sachs

“What if I Told You..... Lithium is the New Gasoline”

Dec 2015

Lithium is now considered a key, strategic energy metal in the clean technology economy that is being fuelled by advances in electric vehicles, energy storage and electronics



Energy Storage –

The economic value of energy storage over a 10-year period in the US could reach **\$228 billion, 21%** of the \$1 trillion global economic benefit

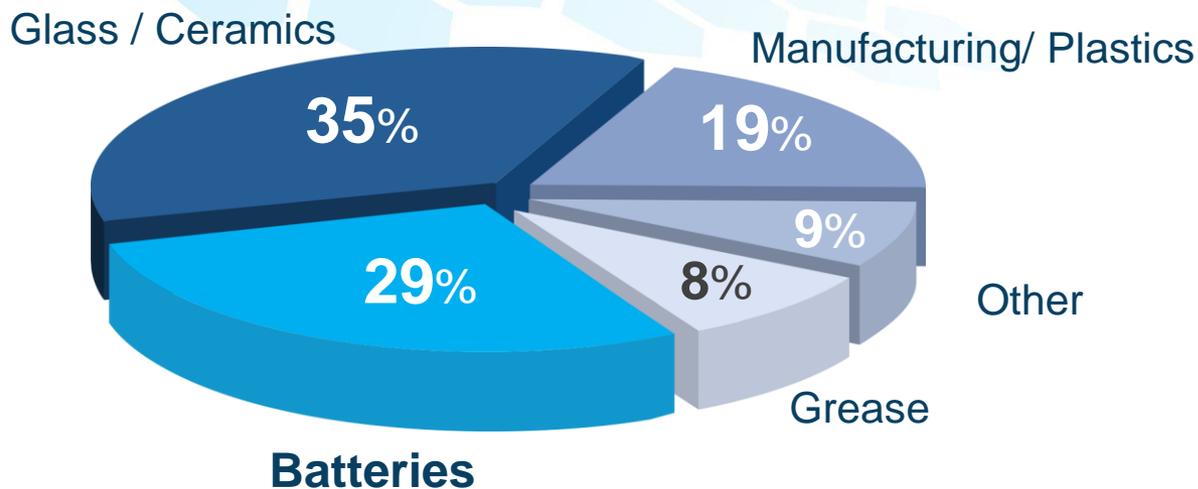
Disruptive Innovations II,
2014

The Economist

“An Increasingly Precious Metal”

Jan 2016

Lithium Consumption – The Future is Electric



Lithium-ion is the battery of choice



Super energy density



Lighter, more compact and portable

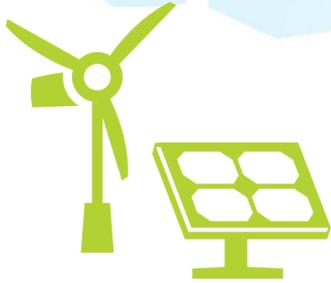


Longer life-cycle and more efficient



More environmentally friendly

Key Demand drivers through to 2025



Renewable grid storage

>30%
CAGR



Transportation –
electric and
hybrid vehicles

20-30%
CAGR



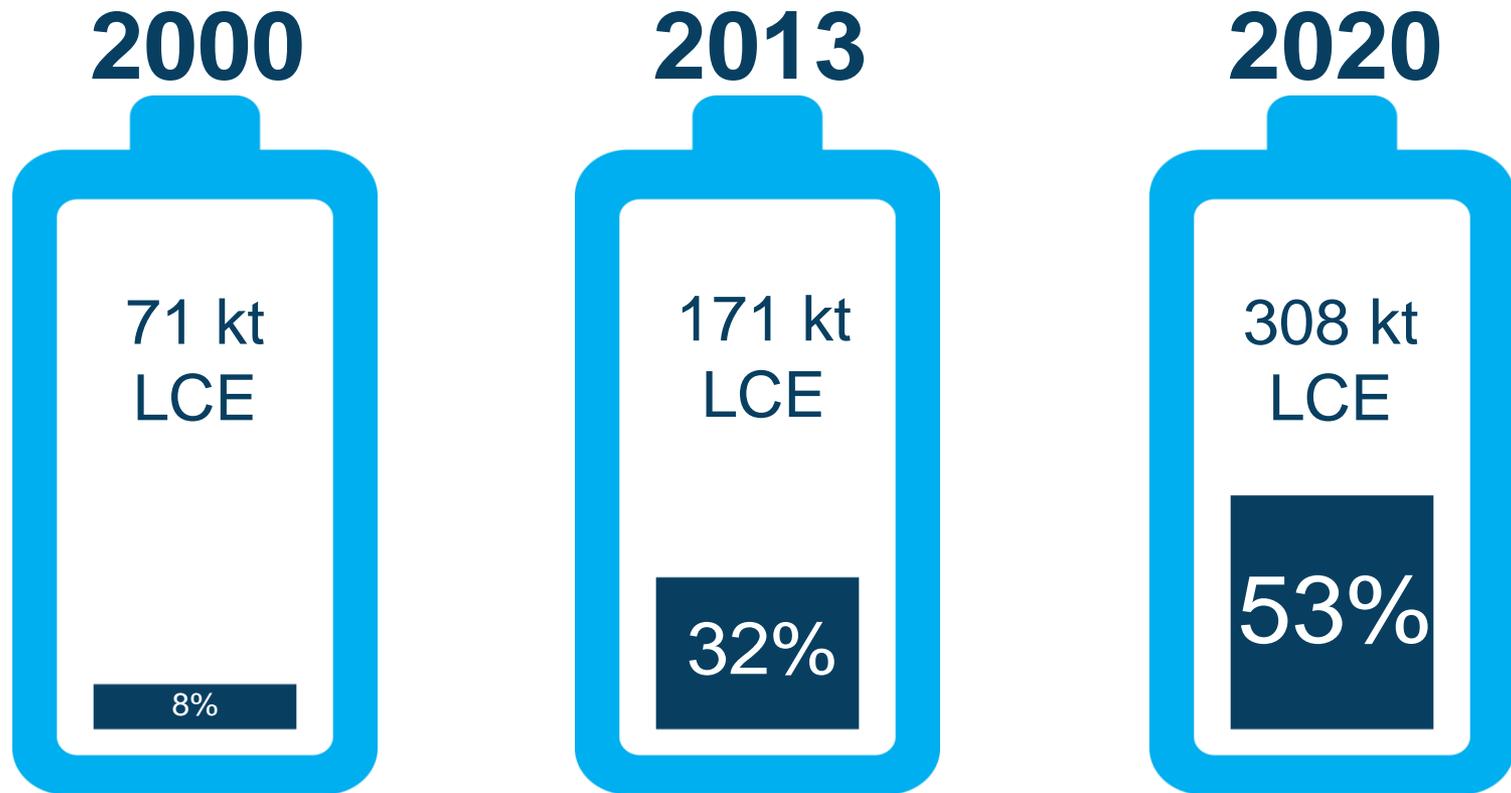
Consumer
electronics

8-10%
CAGR

Batteries are the fastest growing segment

“ *The problem with existing lead-acid batteries is that they suck* ”

Elon Musk



■ Battery consumption as a % of total consumption

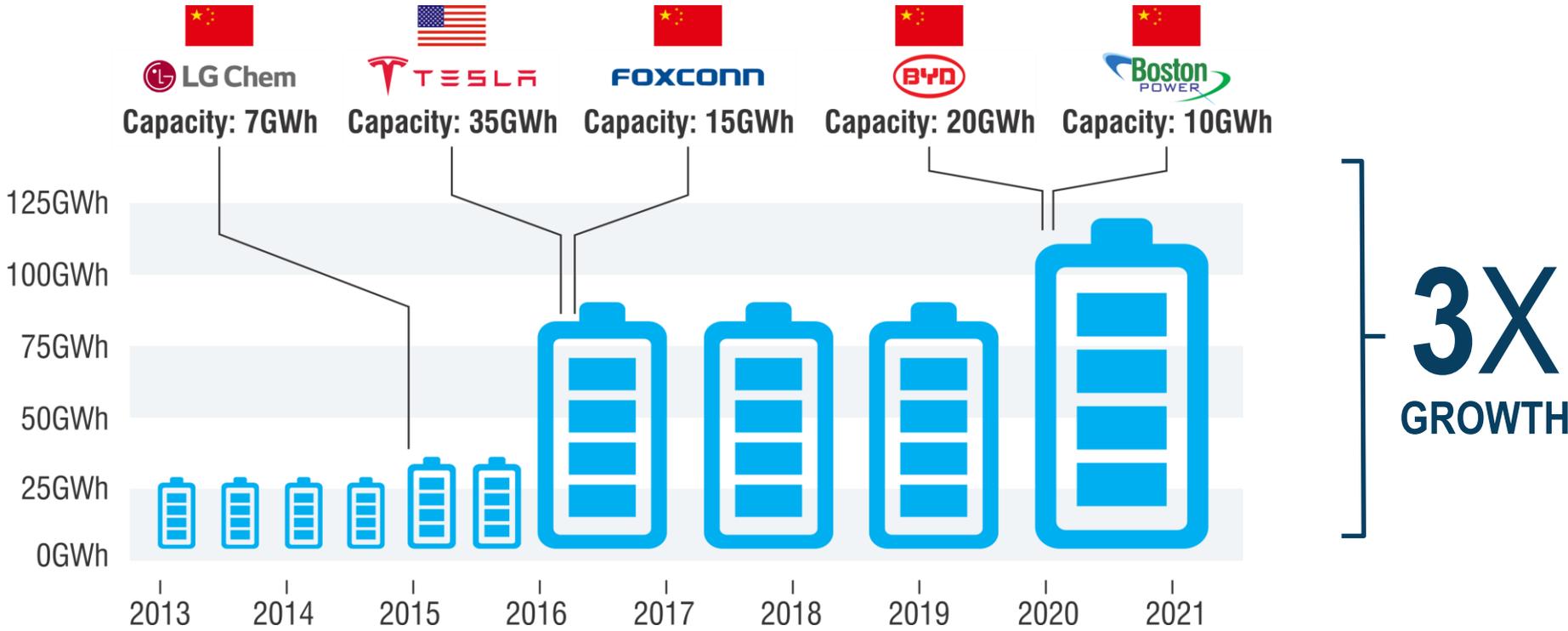
The Megafactories are Coming

“ Solar power *[with] batteries* will be the primary means of sustainable energy production ”

Elon Musk



Tesla's Nevada site



3X
GROWTH

Dawn of a New Auto Era

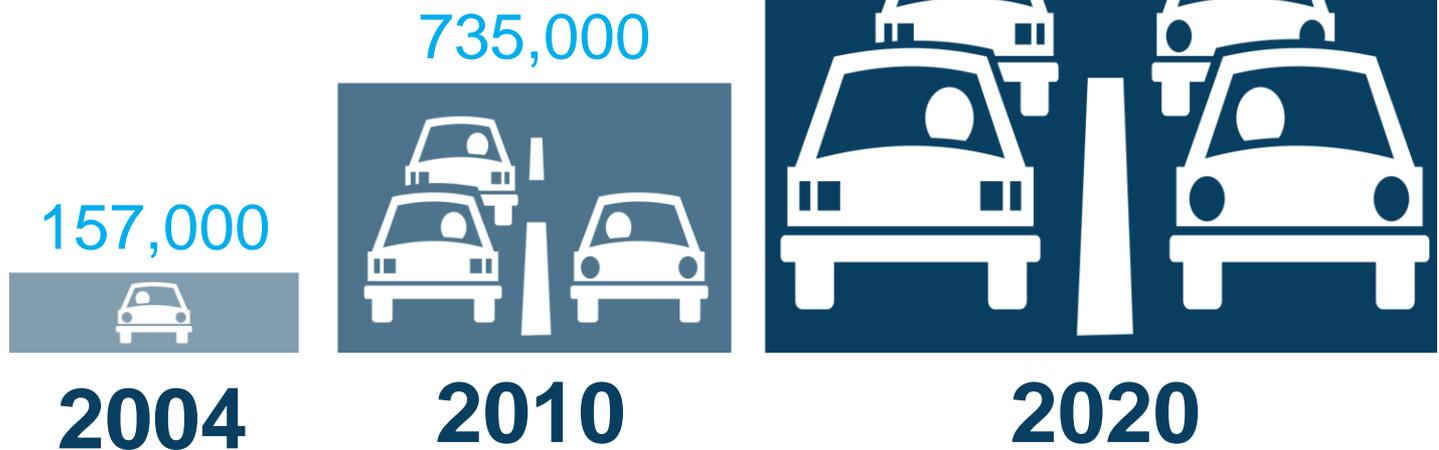
“ Car design will *change more in the next 15 years* than it has in the past 100 — **electrification** will kick start the *biggest change in automotive design in history* ”

Ian Callum, head of design for Jaguar, April 2016



Electric & Hybrid Vehicles

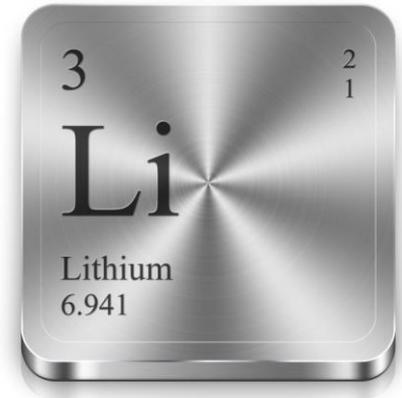
20 MILLION EV & HYBRID CARS BY 2020



Lithium Sources

LITHIUM IS A SOFT SILVER-GREY METAL:

- ✓ Low density and atomic mass
- ✓ High electrochemical potential
- ✓ High specific heat capacity



2 MAJOR SOURCES OF LITHIUM

Salt Lake (brine)



Hard rock pegmatite



**SIMPLE
PROCESSING**



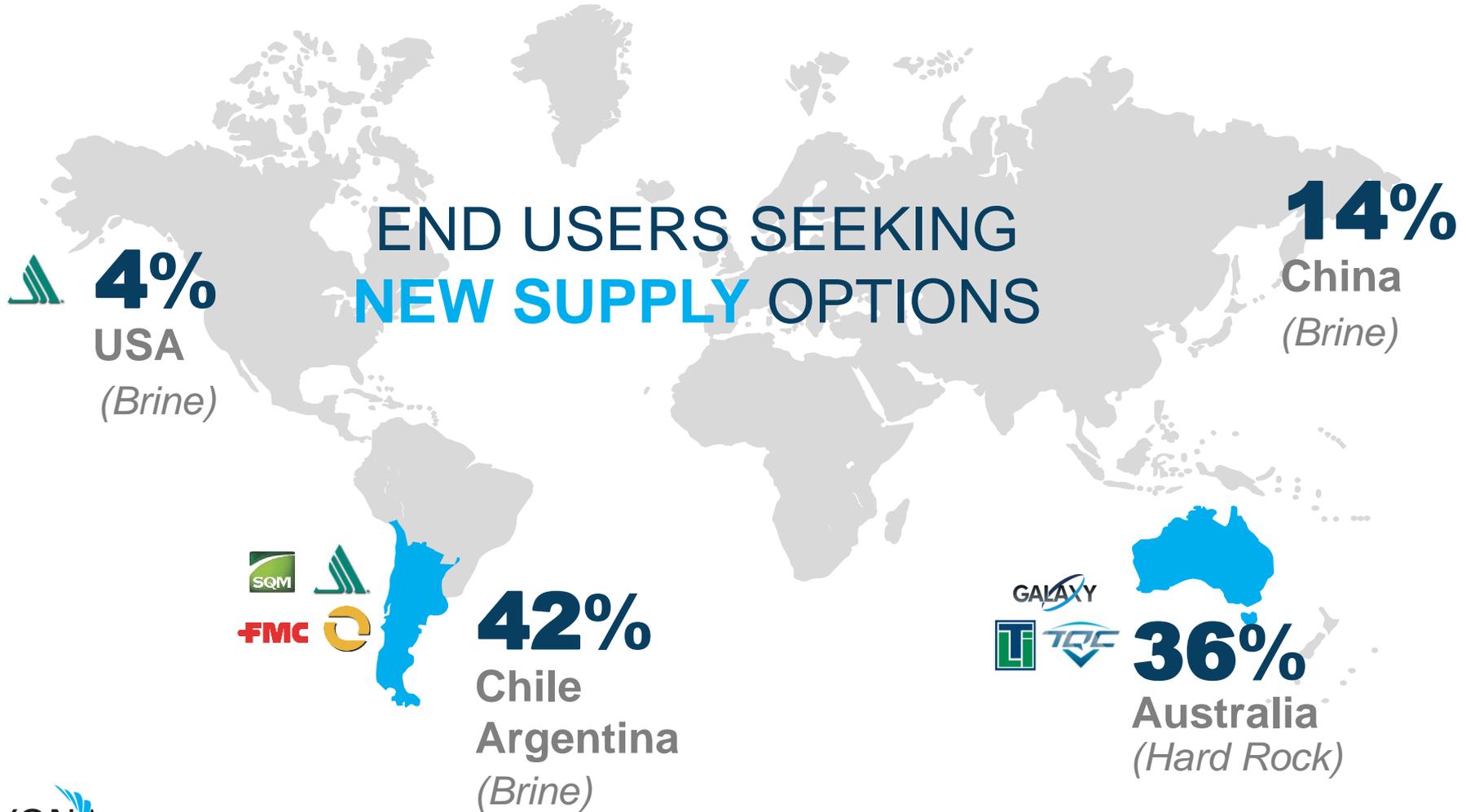
**CONVERTS TO
LITHIUM-HYDROXIDE
FOR USE IN
LITHIUM-ION
BATTERIES**



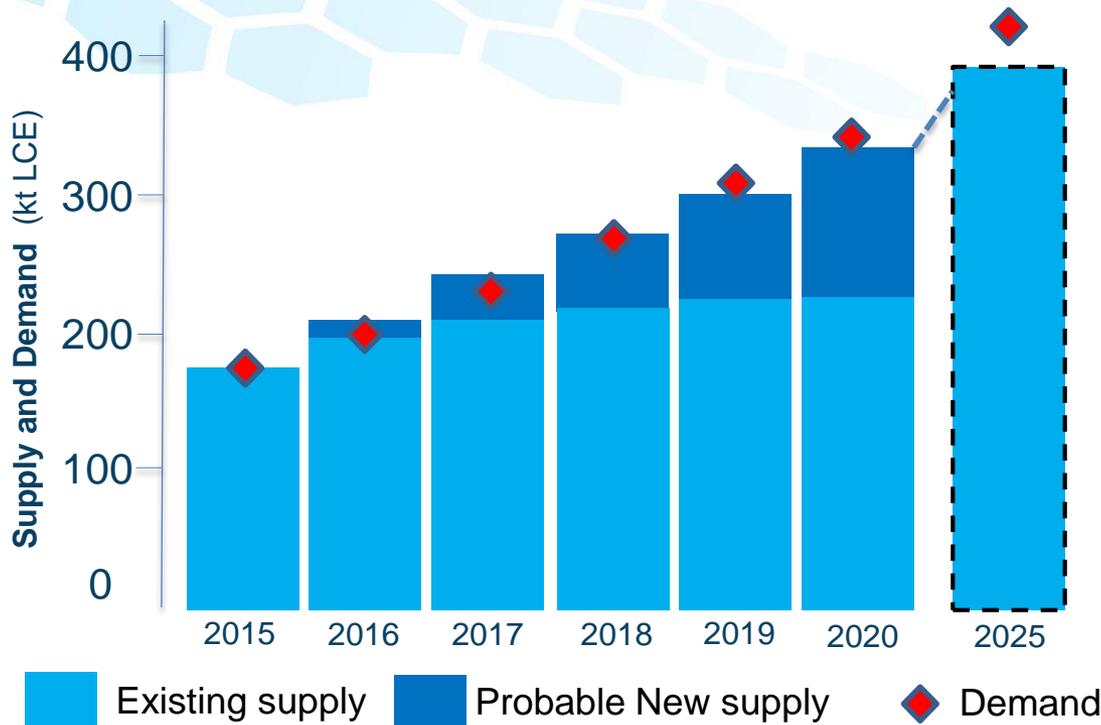
Spodumene extracted
from pegmatites:

Few New Lithium SUPPLY Options Available

5 COMPANIES PRODUCE **90%** OF WORLD SUPPLY



Supply & Demand – A Perfect Storm



BEYOND 2020
GAP BETWEEN
SUPPLY & DEMAND
EMERGES

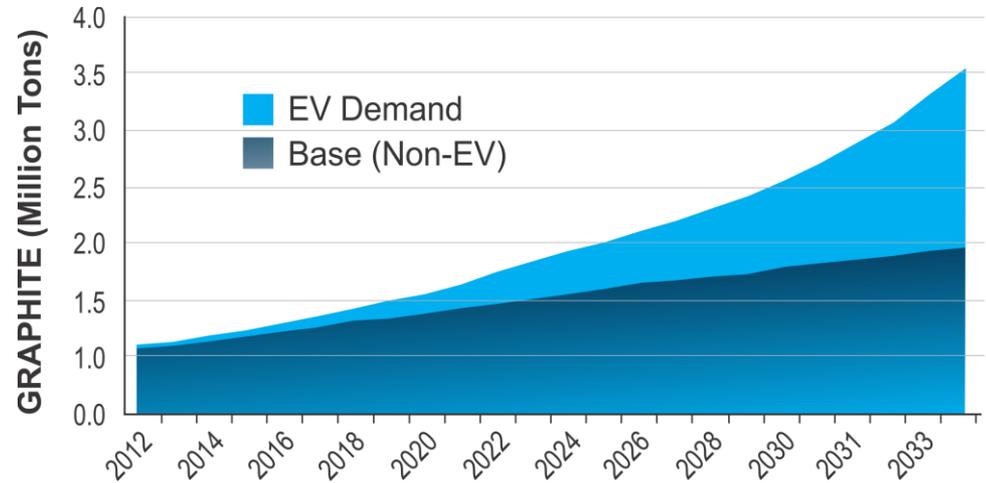


Why the Graphite Exposure?

\$12 BILLION GROWING MARKET

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

80%



Disclaimer

COMPETENT PERSON STATEMENTS

Gustavo Delendatti for Authier - The information in this report that relates to Exploration Results is based on information compiled by Dr Gustavo Delendatti, a member of the Australian Institute of Geoscientists. Dr Delendatti is an independent consultant, and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which it is undertaking to qualify as a Competent Person as defined in the JORC Code (2012 Edition) of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves." Dr Delendatti was responsible for the design and conduct of this exploration drilling campaign, supervised the preparation of the technical information in this release and has relevant experience and competence of the subject matter. Dr Delendatti, as competent person for this announcement, has consented to the inclusion of the information in the form and context in which it appears herein.

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This presentation may contain certain forward looking statements. Such statements are only predictions, based on certain assumptions and involve known and unknown risks, uncertainties and other factors, many of which are beyond Sayona Limited's control. Actual events or results may differ materially from the events or results expected or implied in any forward looking statement. The inclusion of such statements should not be regarded as a representation, warranty or prediction with respect to the accuracy of the underlying assumptions or that any forward looking statements will be or are likely to be fulfilled. Sayona Limited undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date of this presentation (subject to securities exchange disclosure requirements). The information in this presentation does not take into account the objectives, financial situation or particular needs of any person. Nothing contained in this presentation constitutes investment, legal, tax or other advice.

Reference to Previous ASX Releases

This presentation refers to the following previous ASX releases:

- Authier JORC Resource, 7 July 2016
- Corkwood Drilling – Broad Zones of Mineralisation, 17 February 2016

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.

ACN 091 951 978
Suite 68, 283 Given Terrace
Paddington, Queensland, 4064
Brisbane, Australia
Ph: +61 7 3369 7058
info@sayonamining.com.au

www.sayonamining.com.au

The logo for SAYONA MINING LIMITED features the word "SAYONA" in a large, white, sans-serif font. To the right of the letter "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, all-caps, sans-serif font. The entire logo is set against a dark teal background with a white hexagonal grid pattern.

SAYONA
MINING LIMITED

