

Australian Bauxite Limited

ABx

Exploration



*Rare earth elements
discovery*



Technology
ALCORE



Production



Shipments



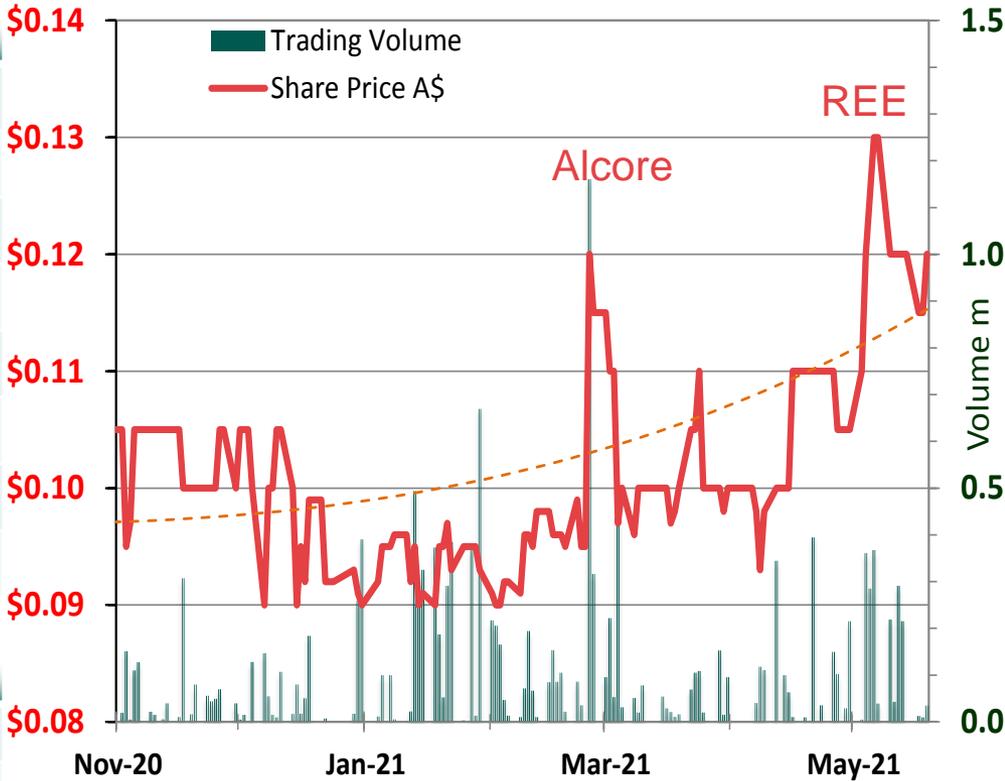
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Corporate Overview

ASX code ABX

ASX code	ABX
Listed	24 Dec 2009 @ \$0.20
Current Issued shares	150 million
Options	0 million
52 week range	\$0.8-\$0.13
Average daily volume	110,000
Market cap (@ \$0.115)	\$17.25 million
Cash @ 31 Mar'19	\$0.9 million
Shareholders	1,864



Board of Directors & Management

Paul Lennon ¹	Chairman
Ian Levy	Managing Director & CEO
Ken Boundy ²	Non-Executive Director
Henry Kinstlinger	Company Secretary
Leon Hawker	Chief Operating Officer
Paul Glover	Logistics & Exploration
Dr Mark Cooksey ³	CEO Alcore Limited

¹ Ex-Premier of Tasmania

² Investor in Tasmania tourism industry. Holds senior public positions

³ Ex-Rio Tinto Alcan & Ex-CSIRO Minerals

Major Shareholders	Shares	%
Justevian Pty Limited	5.9 m	4.1
Yarraandoo Pty Ltd	5.6 m	3.8
WSF Pty Ltd	5.2 m	3.5
Top 20 shareholders	59.5 m	39.8
Remainder	90.8 m	60.2

Resources = 137 million tonnes bauxite



Forward Looking Statement

Whilst based on information from sources considered reliable, Australian Bauxite Limited (**ABx**), its directors, employees and consultants do not represent, warrant or guarantee, expressly or impliedly, that the information in this document and presentation is complete or accurate. To the maximum extent permitted by law, ABx disclaims any responsibility to inform any recipient of this document and presentation of any matter that subsequently comes to its notice, which may affect any of the information contained in this document and presentation.

Competent Person Statement

Information herein relating to Exploration Results, Mineral Resources and Exploration Targets is based on information compiled by Ian Levy BSc, MSc, who is a Fellow of the Australasian Institute of Mining and Metallurgy and a Fellow of the Australian Institute of Geoscientists. Mr Levy is employed by ABx as Chief Executive Officer. Mr Levy has more than five years experience relevant to the style of mineralisation and type of deposit being reported and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the JORC Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. This report is issued with the prior written consent of the Competent Person as to the form and context in which it appears.

The information in this report relating to Mineral Resources was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

Direct Shipping Ore

In this presentation all references to direct shipping ore (DSO) refers to the company's exploration objective of defining DSO grade mineralisation. The potential quantity and grade of exploration targets is conceptual in nature, there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource.

Capital Raising

- ABx plans to raise \$3.25 million
- \$3.25 million placement (Two tranches)
- 10c per share with 1:1 Attached options (ex 20c, 2 years) and Broker Options
- Excluded Offer, see term sheet for details

Use of funds

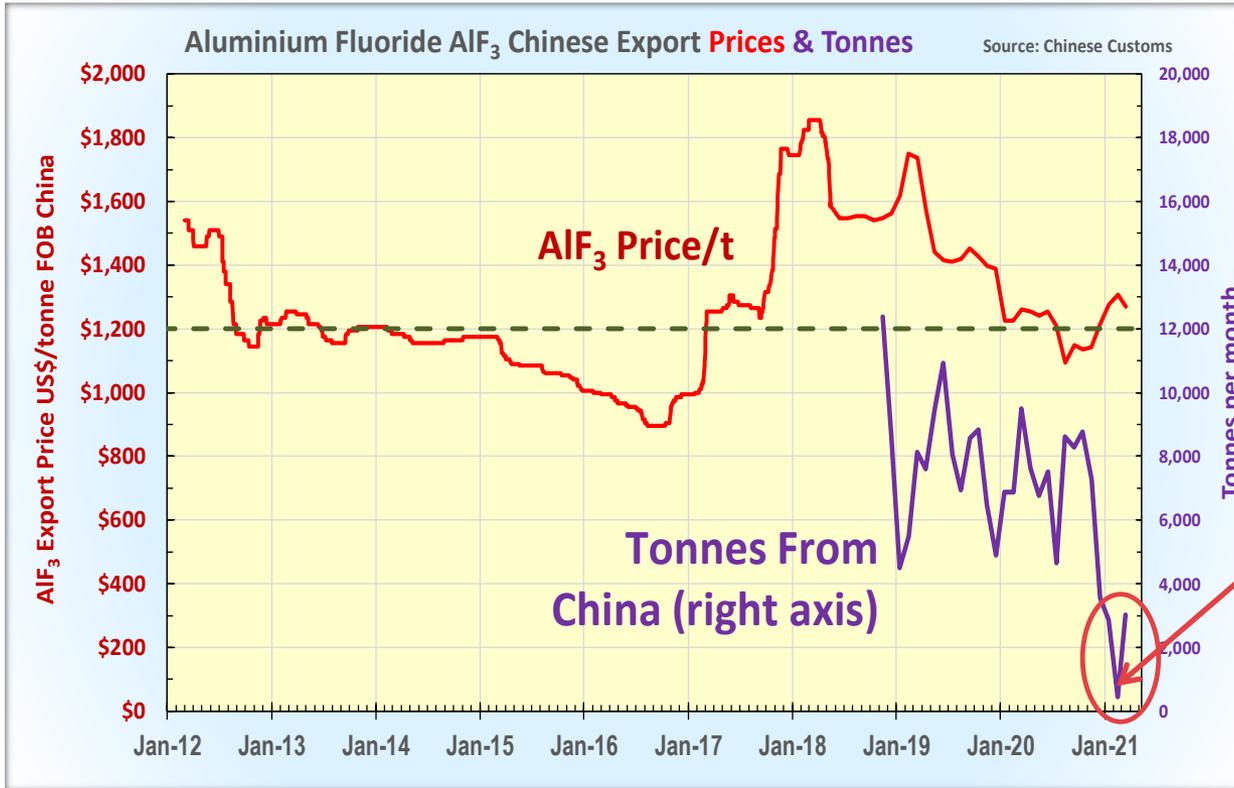
Alcore Limited: Australian technology to make Aluminium Fluoride “AlF₃”

- ABx to invest \$1.5m in its 87% owned subsidiary Alcore Limited
- Alcore to complete its Pilot Plant, design production plant
- Alcore must match Government assistance dollar-for-dollar in 2021-22
- Alcore will be Australia’s first producer of aluminium fluoride AlF₃ which is an essential strategic ingredient in Aluminium Smelting. There are no substitutes.
- Australia is the only significant Aluminium producer without an AlF₃ plant
- Chinese sales of AlF₃ to Australia have been **reduced to zero**

ABx Rare Earth Elements Discovery (“REE”)

- \$300,000 drilling campaign to confirm ABx’s large REE province, Tasmania
- Super Magnet REEs for electric vehicles, wind turbines, phones & military
- Water soluble REE can be mined cheaply, quickly, if proved to be eco-safe
- ABx’s environmental excellence and R&D will help ABx deliver this REE project

Commodity Markets Are Favourable for AlF_3



Key market issues

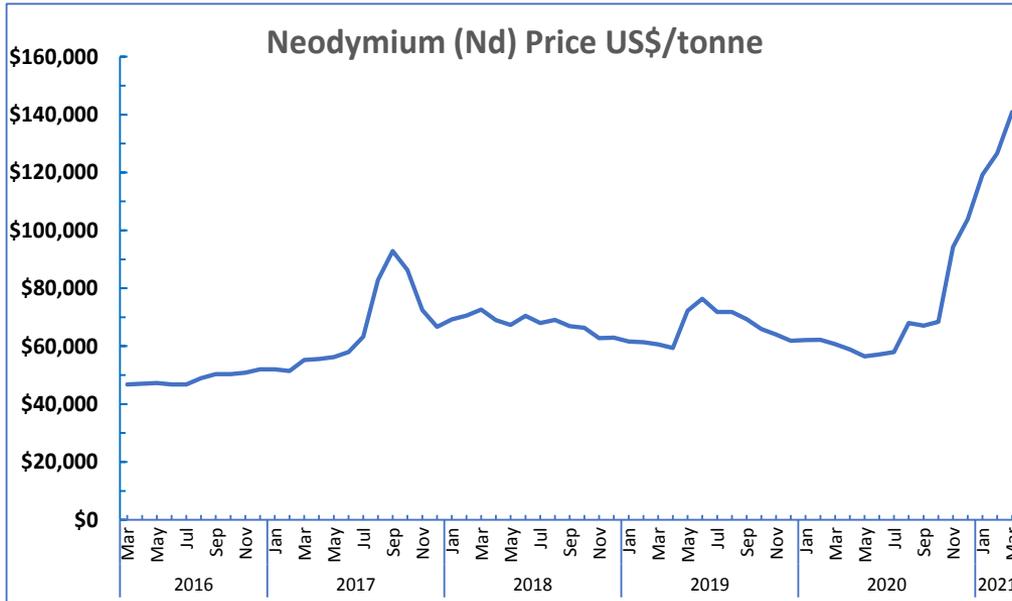
In 2020, Australasian smelters imported **26,352 tonnes** AlF_3 from China @ **US\$1,192/t**

In 2021, Chinese supply to Australasia has fallen to **ZERO**

Australasia must become self-sufficient in AlF_3 to avoid smelter closures

- Alcore production costs A\$800 to A\$1,100/t AlF_3 (US\$600 – US\$800)
- Long-term average price is ~US\$1,200 or A\$1,600/t AlF_3
- A\$500 to A\$800/t operating margin. Capex \$20 million for initial 10,000 tpa module
- Initial 10,000 tpa plant can achieve EBITDA \$5m to \$8m
- 60,000 tpa final plant can achieve EBITDA \$50m pa

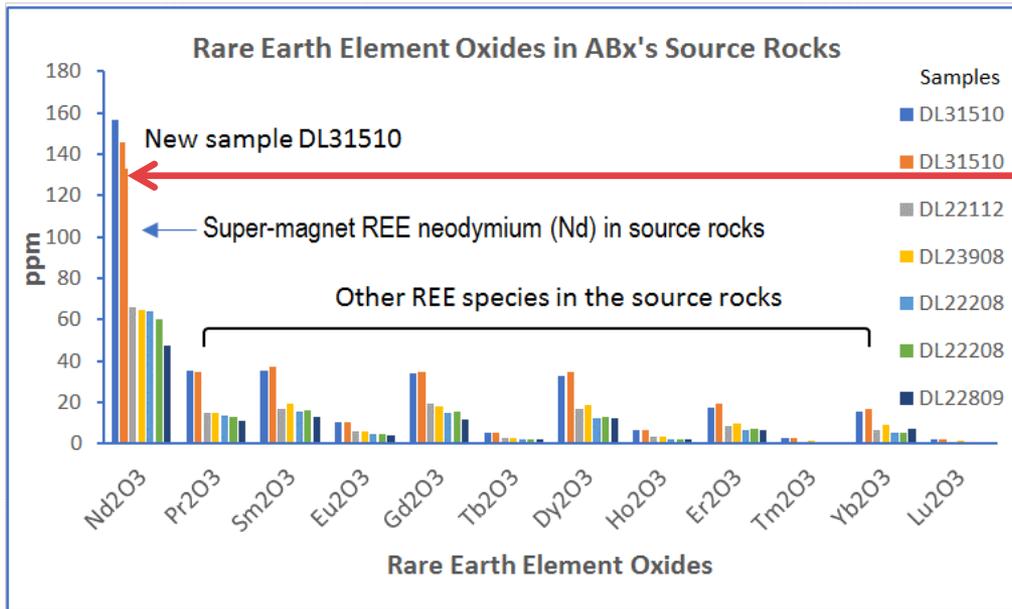
Commodity Markets Favourable for ABx's REE



Key market issues: Super-magnet elements

Only 4 REE are super-magnet elements, namely Neodymium (Nd), Praseodymium (Pr), Terbium (Tb) & Dysprosium (Dy) are the “Super-Magnet” REE which are essential for:

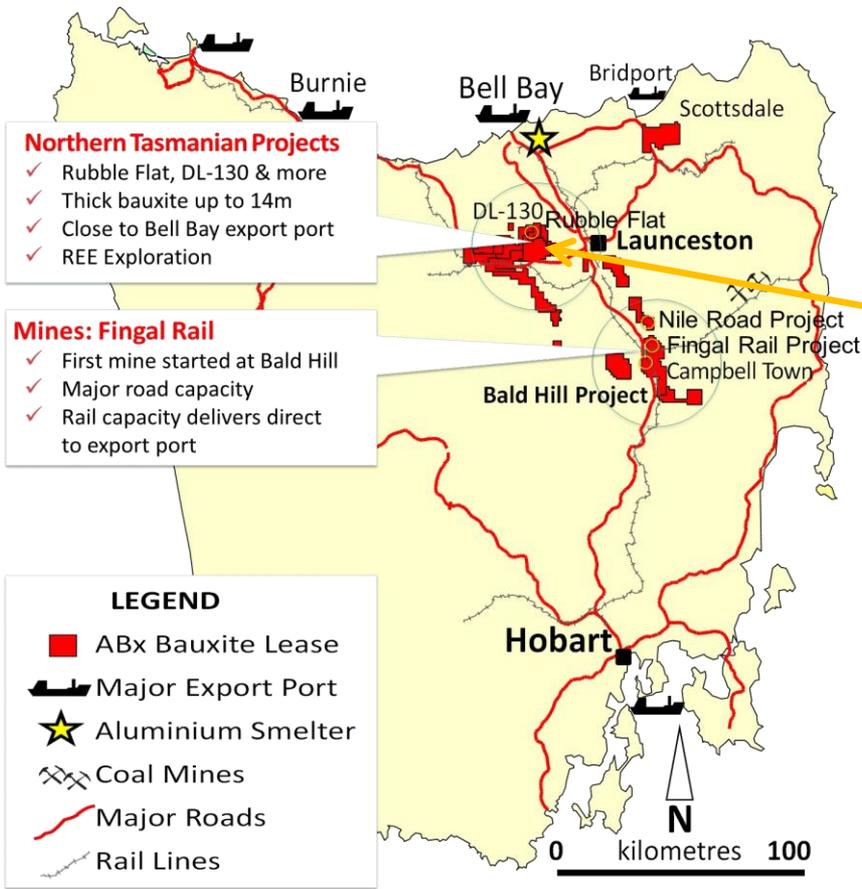
- electric vehicles,
- wind turbines,
- smart phones &
- military.



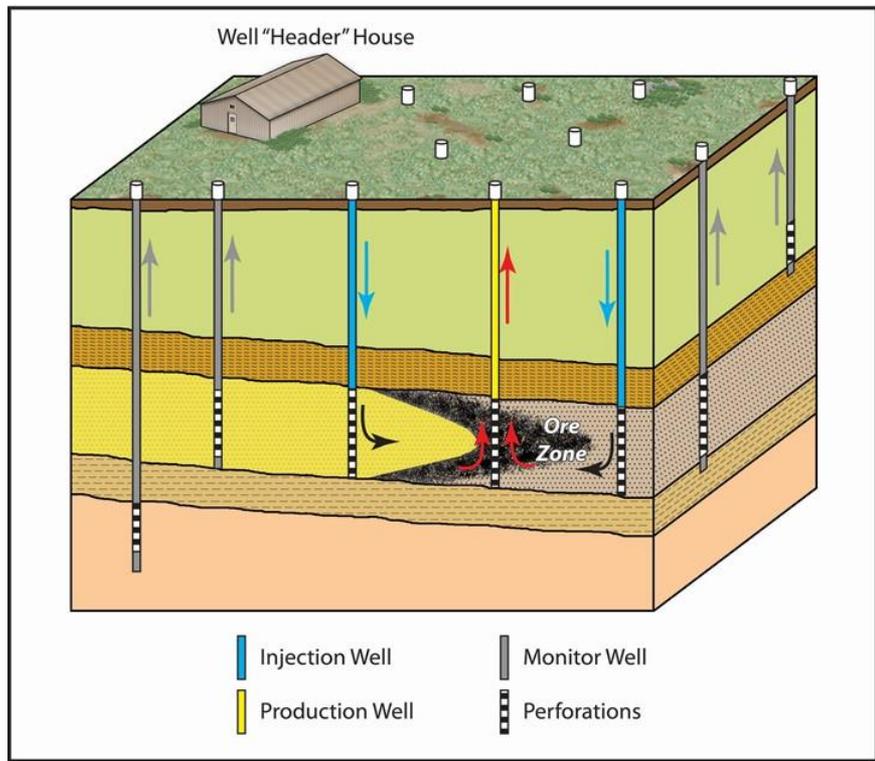
ABx is exploring for the most important REE, Neodymium Nd and ABx has found the source rock that is most enriched in Nd (see left).

China controls the REE markets.

ABx has found water-soluble type of REE that is recoverable by heap leach or by in-situ leaching.



In-Situ Leaching of IAC-REE Deposits



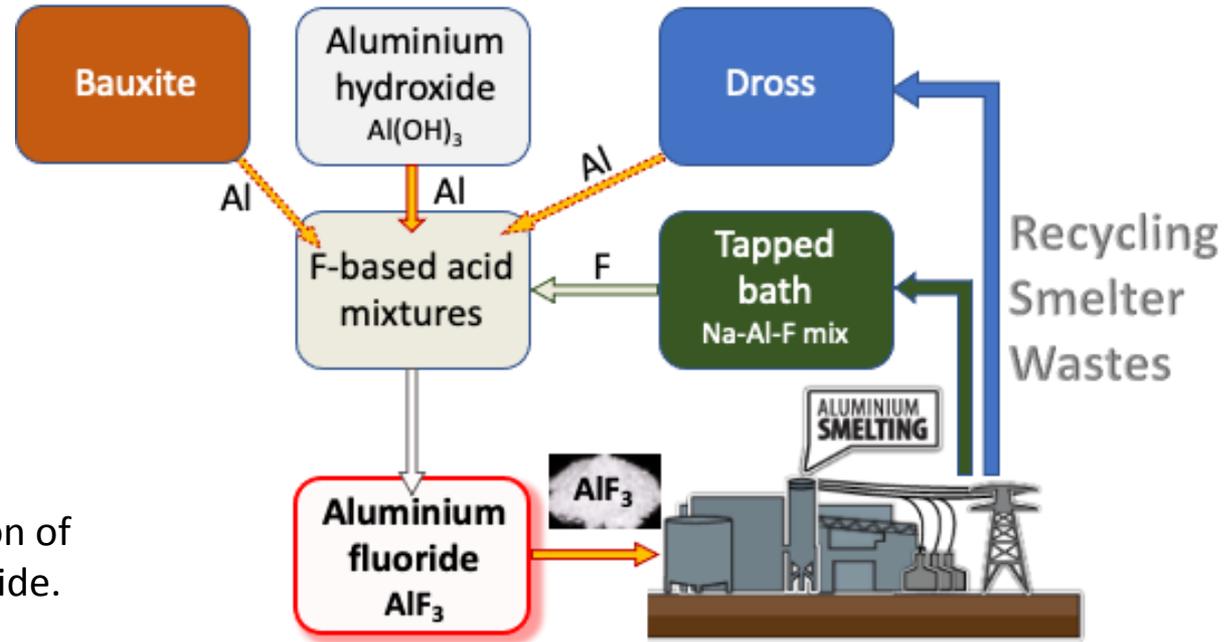
ABx's Strategy is:

1. Explore for Neodymium
2. Water-soluble REE deposits for quick development at low capex and opex
3. In areas where leaching project will not interfere with alternative land use
4. Honour ABx's paramount policy to leave land better & only operate where welcome

Alcore strategically important. Government support



Above: Alcore AlF_3 sample produced from a combination of dross and aluminium hydroxide.



Alcore's technological strategy is to make AlF_3 by recycling and refining waste products from aluminium smelters.
100% security of supply for Australasia.

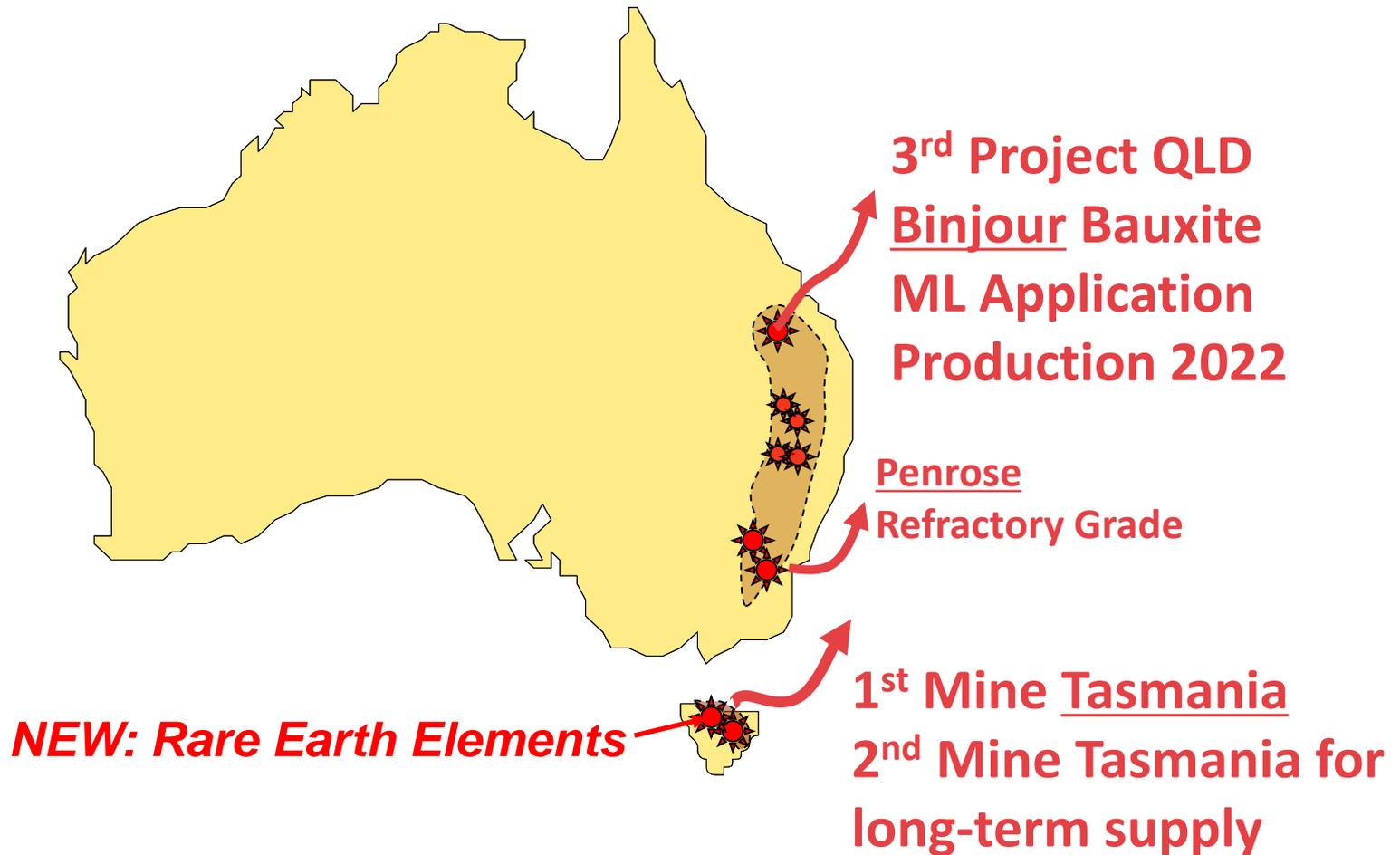


Left: Alcore's \$2.5 million AlF_3 research laboratory in NSW Central Coast industrial park is one of only 12 world-wide and first in southern hemisphere.

Bauxite: New ABx mine in Tasmania 2021

Next project QLD

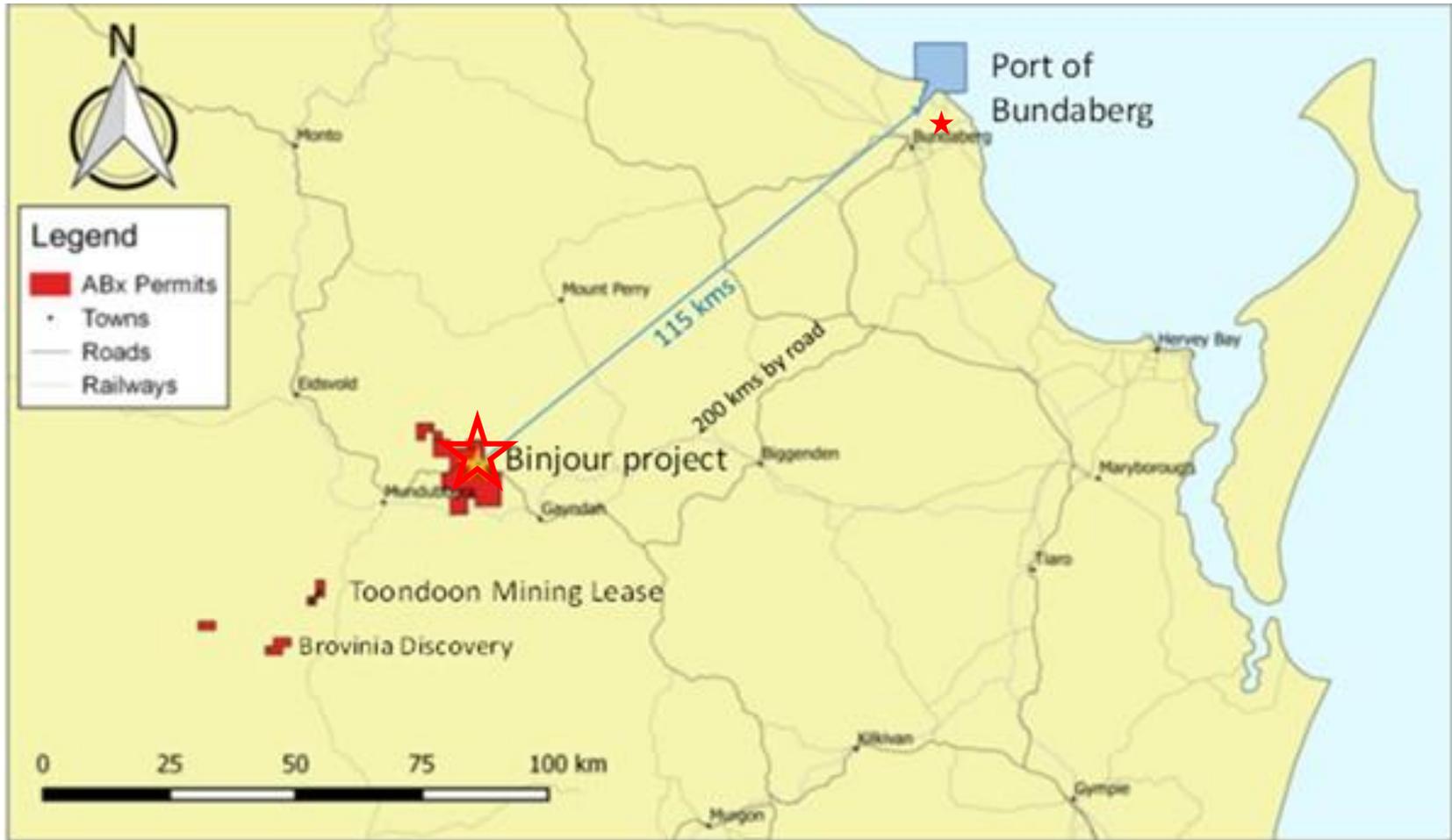
Total ABx Bauxite Resources 137 million tonnes



Binjour Project, Queensland: Biggest/Best Deposit

37 million tonnes bauxite resource & new discoveries found

Fully financed by marketing partner



Simple Production

RETURNS TO GRAZING IN 3 YEARS

Bald Hill Mine Tasmania



Bauxite types ready for blending



Photo: Paul Scambler, The Examiner

Delivery to Bell Bay Port Stockpile



Stockpile at Bell Bay Port



Rehabilitated to high standard



**Bald Hill
Mine
Workings**



**Bald Hill
mined out
area 2 years
later**

Good Landholder Relations

PARAMOUNT POLICY: ABx endorses best practices on agricultural land to leave land and environment better than we find it. We only operate where we are welcomed

