

CEO Presentation at the TechKnow Invest Roadshow

In accordance with the requirements of Listing Rule 3.1 we submit the attached material being presented at the TechKnow Invest Roadshow by Dr Mark Cooksey, CEO.

Melbourne – Monday 7 November, 10:15am AEDT at the Grand Hyatt Hotel, 123 Collins Street, Melbourne.

Sydney – Wednesday 9 November, 2:15pm AEDT at the Radisson Blu Plaza Hotel, 27 O'Connell St, Sydney

Registration is free. Please copy and paste the following link into your internet browser:

<https://www.techknowinvestroadshow.com.au/registration.html>

ASX Release authorised by Mark Cooksey, CEO.

For further information please contact:

Dr Mark Cooksey

Managing Director and CEO

ABx Group Limited

Mobile: +61 447 201 536

Email: mcooksey@abxgroup.com.au

Website: abxgroup.com.au



(ASX:ABX)

TechKnow Invest Roadshow Melbourne / Sydney

Mark Cooksey
Managing Director and CEO

7 / 9 November 2022



Disclaimer

This presentation has been prepared by ABx Group Limited ACN 139 494 885 (“ABx” or the “Company”). It should not be considered as an offer or invitation to subscribe for or purchase any securities in the Company or as an inducement to make an offer or invitation with respect to those securities. No agreement to subscribe for securities in the Company will be entered into on the basis of this presentation.

This presentation contains forecasts and forward looking information. Such forecasts and information are not a guarantee of future performance, involving unknown risks and uncertainties. Actual results and developments will almost certainly differ materially from those expressed or implied. ABx has not audited or investigated the accuracy or completeness of the information, statements and opinions contained in this presentation. Accordingly, to the maximum extent permitted by applicable laws, ABx makes no representation and can give no assurance, guarantee or warranty, express or other implied, as to, and take no responsibility and assume no liability for, the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omission, from any information, statement or opinion contained in this presentation.

You should not act or refrain from acting in reliance on this presentation material. This overview of ABx does not purport to be all inclusive or to contain all information which its recipients may require in order to make an informed assessment of the Company's prospects. You should conduct your own investigation and perform your own analysis in order to make an informed assessment of the company's prospects. You should also conduct your own investigation and perform your own analysis in order to satisfy yourself as to the accuracy and completeness of the information, statements and opinions contained in this presentation and making any investment decision.

Prices for aluminium fluoride (AlF₃) were sourced from Asian Metals, China Customs and verified by comparison with prices from Bloomberg. The price actually achieved will depend upon market conditions at the time of sale.

Corporate Overview

ASX code: ABX

Listed	Current Issued shares	Options	52 week range	Average daily volume	Market cap (@ \$0.14)	Cash @ 3 Nov 2022	Shareholders
24 Dec 2009 @ \$0.20	223.6m	78.8m @ \$0.20	\$0.097- \$0.21	258,000	\$31m	\$2.6m	2,561

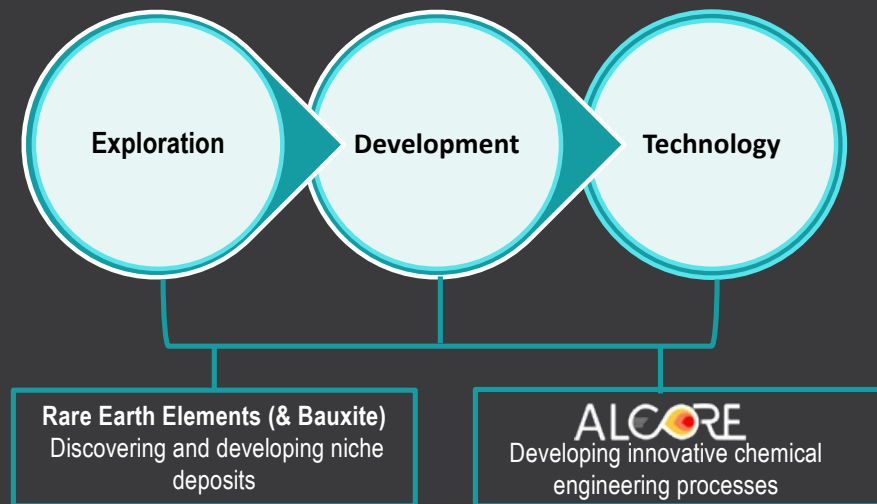
Major Shareholders	Shares	%
HSBC Custody Nominees	5.9 m	2.6
Justevian Pty Ltd	5.8 m	2.6
Yarraandoo Pty Ltd	5.6 m	2.5
Afron Pty Ltd	5.5 m	2.4
WSF Pty Ltd	4.9 m	2.2
Top 20 shareholders	62.5 m	28.0
Remainder	161.1 m	72.0



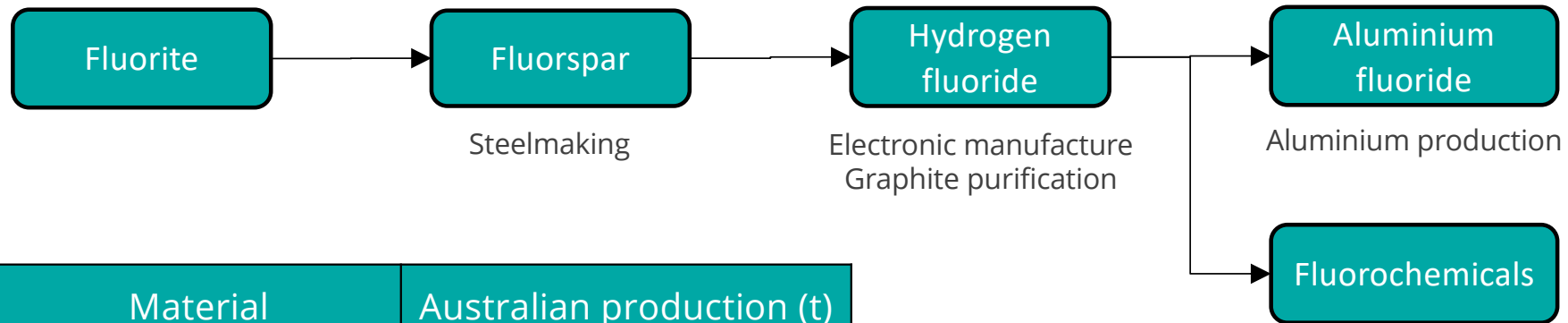
Resources: **130 million tonnes bauxite**

Creating new sources and technologies for the supply of strategic minerals and chemicals:

1. Multiple discoveries of the ideal type of rare earth deposit in northern Tasmania
2. Production of aluminium fluoride, essential for aluminium smelting, from recycled waste
3. Mining and enhancing the value of bauxite resources for cement, aluminium and fertilisers.



Fluorine value chain



Material	Australian production (t)
Fluorite	0
Fluorspar	0
Hydrogen fluoride	0
Aluminium fluoride	0
Fluorochemicals	0?

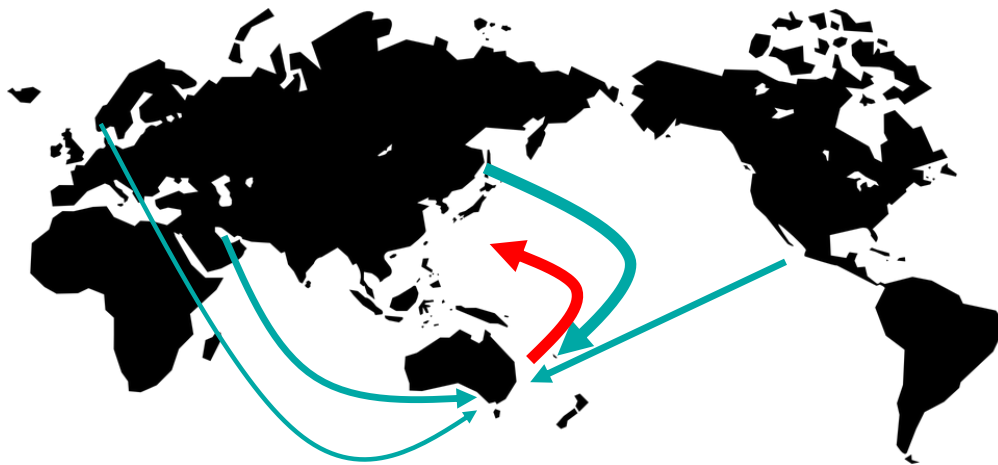
- Fluorspar (calcium fluoride) is defined as a critical mineral by USA, Europe, Japan, Canada...

Aluminium fluoride and aluminium smelter waste

Aluminium fluoride (AlF_3): essential for aluminium smelting

- 1.2 million tonnes produced globally per year worth US\$1.5 billion (US\$1,000-1,800 per tonne)
- 50% produced in China, mainly for Chinese smelters
- Australia imports 100% of requirements, mostly from China

- Traditionally produced from high-cost aluminium hydroxide and fluorspar
- Achievable specification – product purity risk is low
- Mature market – dozens of customers globally



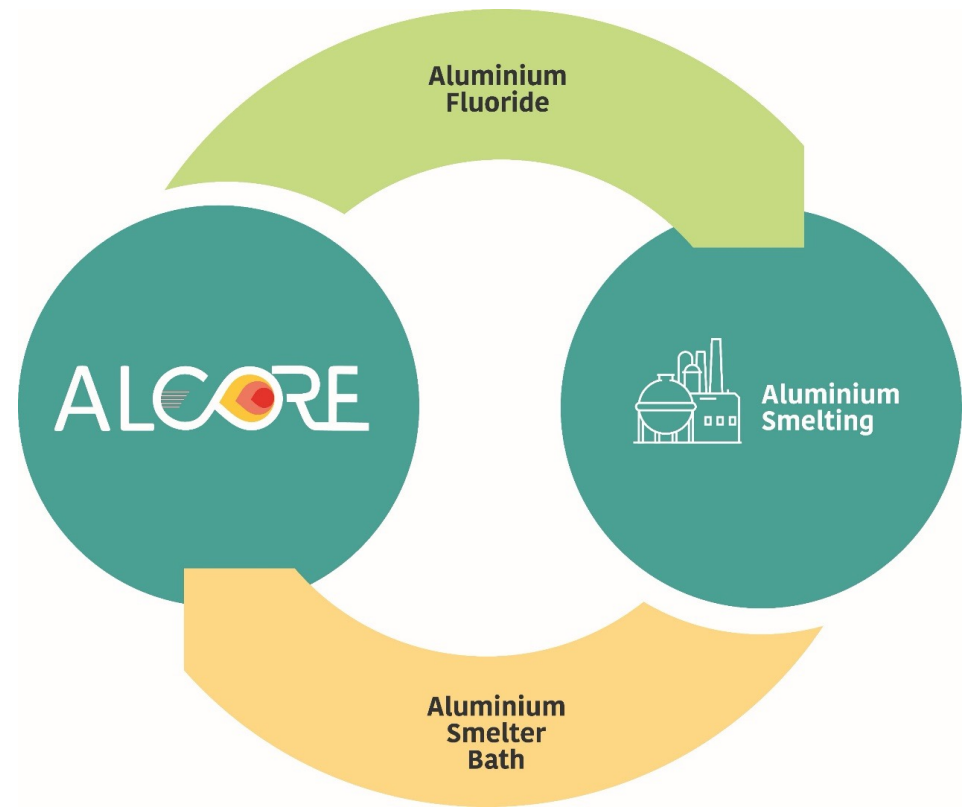
→ Aluminium fluoride → Tapped bath

Current imports/exports

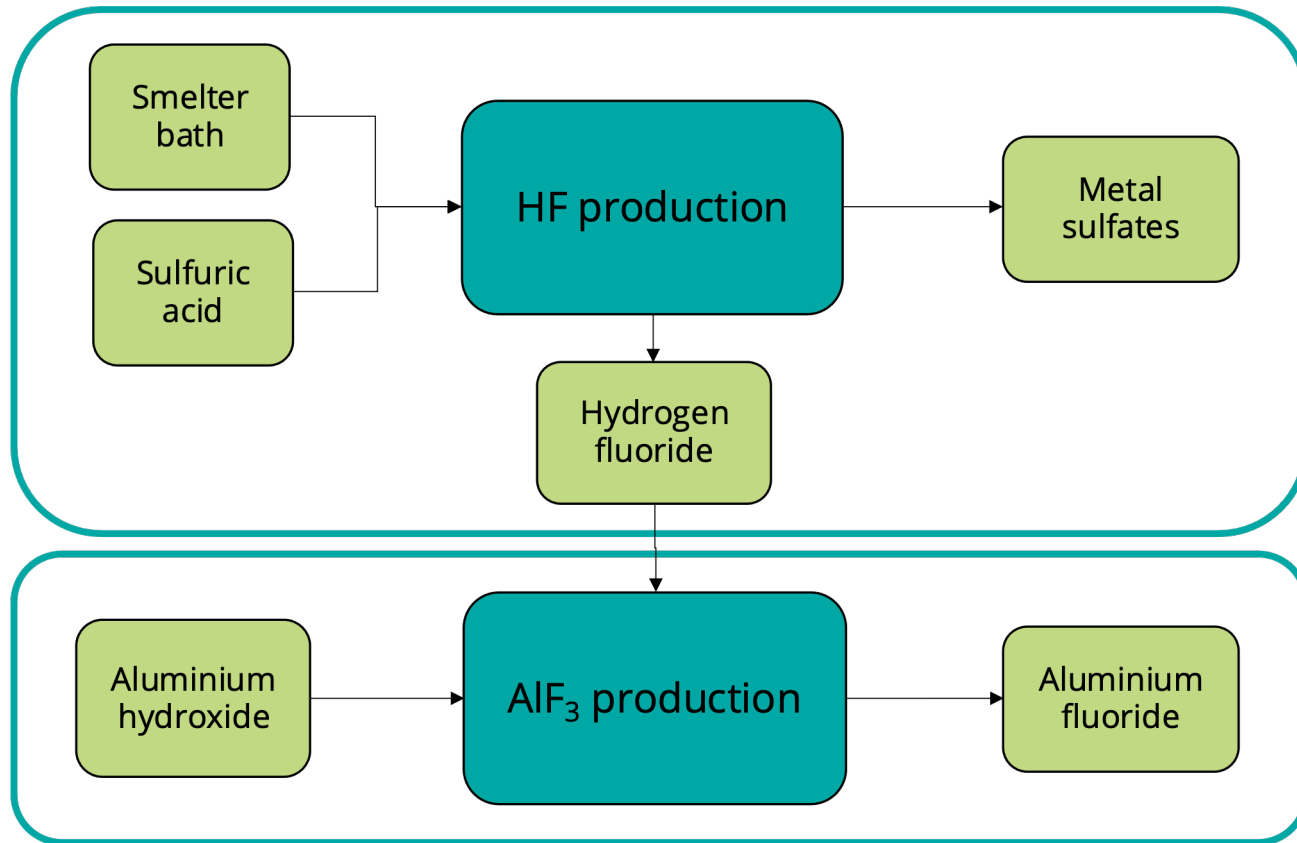
Aluminium fluoride from aluminium smelter waste

Exemplary illustration of circular economy

- ABx's 83%-owned refining technology subsidiary
- Developing processes to produce aluminium fluoride using:
 - Fluorine from tapped bath
 - Aluminium from dross (an aluminium smelter waste) or bauxite
- No competitors



Alcore process flowsheet



Developed by Alcore

Existing commercial process

ALCORE Technical progress

- Critical processing steps have been demonstrated in laboratory
- Initial operating conditions for the pilot plant reactor have been selected
- Engineering design for pilot plant reactor being finalised



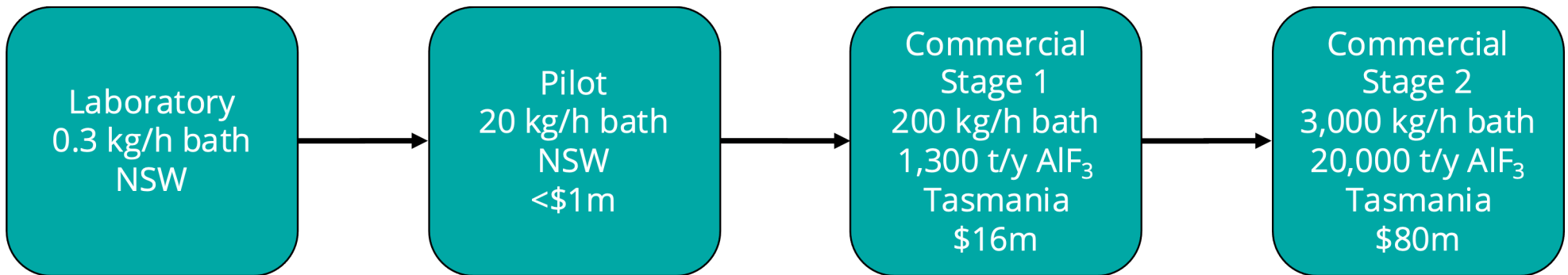
Rotary kiln for recovery
of fluorine from
aluminium smelter bath

Oleum production plant



ALCORE Process scale-up

- Rigorous scale-up to reduce technical risk
- First aluminium fluoride plant planned for Bell Bay, Tasmania, near existing hydro-powered aluminium smelter. Planned production 20,000 t/y
- High potential for plants in other major aluminium smelting regions
- Potential expansion into other markets, including fluorine chemicals



Received \$7.5m grant⁶

ALCORE Progress and schedule

PHASE 1
2018-19

ESTABLISHMENT

Create Alcore. ✓
Construct high technology laboratory ✓

PHASE 2
2019-21

PROOF OF CONCEPT

Demonstrate novel chemistry for transforming industrial waste into valuable chemicals. ✓

PHASE 3
2021-22

PILOTING

Establish pilot plant facility.
Finalise commercial plant design.

PHASE 4
2022-24

COMMERCIAL

Construct commercial plant.
Commence production.

PHASE 5
2025

GROWTH

Increase production.
Commence exports.
Utilise additional industrial wastes in process.



Pilot

Commercial



ABx Group Limited

L5 52 Phillip Street
Sydney 2000
Australia

Phone: +61 2 9251 7177

E: corporate@abxgroup.com.au

Julie Young

Marketing & Investor Relations Manager

E: jyoung@abxgroup.com.au