

20 June 2019

## **Austrade Critical Minerals Business Delegation Presentation**

This document is released to accompany presentations by Australian Mines as part of the Company's participation in Austrade's Critical Minerals trade delegation to Europe from 21 to 28 June 2019.

The Australian Trade and Investment Commission, or Austrade, is the Australian Government's trade, investment and international education promotion agency. It is a statutory agency within the Foreign Affairs and Trade portfolio, with offices in overseas embassies and consulates, and representative arrangements in some other locations.

Australian Mines is part of a targeted delegation of Australia mining executives whose companies are specifically focussed on supplying critical minerals to key industries, including automotive, energy storage and advanced manufacturing sectors.

Austrade has arranged meetings with businesses and financial services companies who have investment interests in critical minerals projects in Australia, as well as senior representatives from government agencies, potential project financing specialists and off-takers.

**\*\*\*ENDS\*\*\***

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# AUSTRALIAN MINES LIMITED

Austrade  
Critical Minerals Business Delegation  
June 2019





## Disclaimer

### Forward Looking Statements

This document may contain forward looking statements. Forward looking statements can generally be identified by the use of forward looking words such as, 'expect', 'anticipate', 'likely', 'intend', 'should', 'could', 'may', 'predict', 'plan', 'propose', 'will', 'believe', 'forecast', 'estimate', 'target', 'outlook', 'guidance', 'potential' and other similar expressions within the meaning of securities laws of applicable jurisdictions.

There are forward looking statements in this document relating to the outcomes of the Sconi Project Bankable Feasibility Study and ongoing refinement work. Actual results and developments of projects and the market development may differ materially from those expressed or implied by these forward looking statements. These, and all other forward looking statements contained in this document are subject to uncertainties, risks and contingencies and other factors, including risk factors associated with exploration, mining and production businesses. It is believed that the expectations represented in the forward looking statements are reasonable but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including but not limited to price fluctuations, actual demand, currency fluctuations, drilling and productions results, resource estimations, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory changes, economic and financial market conditions in various countries and regions, political risks, project delay or advancement, approvals and cost estimates.

Any forward looking statement is included as a general guide only and speak only as of the date of this document. No reliance can be placed for any purpose whatsoever on the information contained in this document or its completeness. No representation or warranty, express or implied, is made as to the accuracy, likelihood or achievement or reasonableness of any forecasts, prospects, returns or statements in relation to future matters contained in this document. Australian Mines does not undertake to update or revised forward looking statements, or to publish prospective financial information in the future, regardless of whether new information, future events or any other factors affect the information contained in this announcement, except where required by applicable law and stock exchange listing requirements. To the maximum extent permitted by law, Australian Mines Limited and its Associates disclaim all responsibility and liability for the forward looking statements, including, without limitation, any liability arising from negligence. Recipients of this presentation must make their own investigations and inquiries regarding all assumptions, risks, uncertainties and contingencies which may affect the future operations of Australian Mines Limited or Australian Mines Limited's securities.

## Previously Reported Information

This document does not contain any new data, results or information, with all references clearly stated.

Any exploration and/or resource data, or statements referenced within this document have previously been lodged by Australian Mines Limited with the ASX via announcements dated, 23 March 2017, 31 March 2017, 15 May 2017, 26 June 2017, 11 August 2017, 6 September 2017, 28 September 2017, 29 September 2017, 3 October 2017, 31 October 2017, 6 November 2017, 31 January 2018, 19 February 2018, 6 March 2018, 29 May 2018, 12 June 2018, 14 September 2018, 15 October 2018, 5 November 2018, 7 November 2018, 20 November 2018, 21 January 2019, 22 January 2019, 25 January 2019, 12 February 2019, 14 February 2019, 29 April 2019, 7 May 2019, 13 June 2019 and 17 June 2019. Australian Mines Limited is not aware of any other new information or data that materially affects the information included in the original market announcements referred to above, and that all material assumptions and technical parameters have not materially changed.

## Cautionary Note For U.S. Investors Regarding Reserve and Resource Estimates

Unless stated otherwise, all resource estimates by the Company in this Presentation were calculated in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the "JORC Code", 2012 Edition), a professional code of practice that sets minimum standards for the public reporting of mineral exploration results, Mineral Resources, and Ore Reserves.

These standards differ significantly from the requirements of the U.S. Securities and Exchange Commission for descriptions of mineral properties, which requirements are set forth in SEC Industry Guide 7, under Regulation S-K of the United States Securities Act of 1933, as amended. Information concerning mineralization, deposits, mineral reserve and resource information contained or referred to herein may not be comparable to similar information disclosed by U.S. companies. In particular, and without limiting the generality of the foregoing, this Presentation uses the terms "Resource", "Mineral Resource", "Measured Resource", "Indicated Resource", and "Inferred Resource". U.S. investors are advised that, while such terms are recognized and required under Australian securities laws, the United States Securities and Exchange Commission does not recognize them. Under U.S. standards, mineral resources may not be classified as "reserves" unless the determination has been made the mineralization could be economically and legally produced or extracted at the time the reserve determination is made. U.S. investors are cautioned not to assume that any part of a "measured resource" or "indicated resource" will ever be converted into a "reserve". U.S. investors should also understand the "inferred resources" have a great amount of uncertainty as to their existence and great uncertainty as to their economic and legal feasibility. It cannot be assumed that all or any part of "inferred resources" will ever be upgraded to a higher category.

Accordingly, the information in this document containing descriptions of the Company's mineral properties may not be comparable to the information disclosed by companies that report in accordance with U.S. standards.

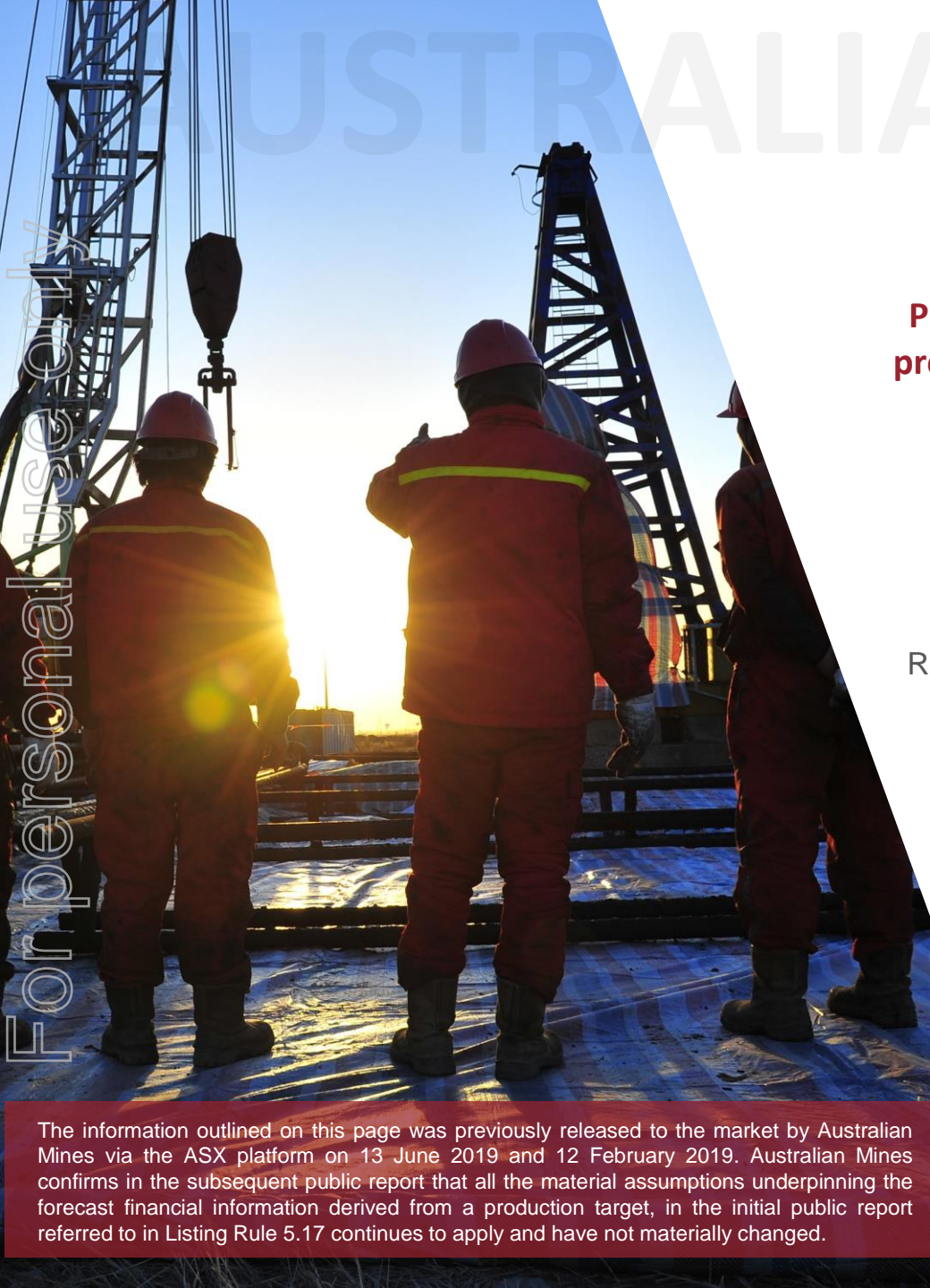
## ***Australian Mines - Investing in an electric future***

Australian Mines is an Australian-listed public company pursuing a **dominant position in the production and supply of ethically sourced battery (cobalt and nickel) chemicals** to the global electric vehicle market.

Australian Mines is developing the world-class Sconi Project in the stable jurisdiction of Australia to meet the expected increased demand created by the global shift toward cleaner, more sustainable energy sources.







# AUSTRALIAN MINES

## COMPANY OBJECTIVE

**Production of cobalt sulphate and nickel sulphate battery precursor chemicals with a fully auditable supply chain for the electric vehicle sector**

Owner of cobalt-nickel assets in stable jurisdiction

Reliable supply anticipated for at least the next 30 years

Planned production of:  
**46,800 tonnes of nickel sulphate per annum**  
**7,000 tonnes of cobalt sulphate per annum**  
*(equivalent to at least 3 million to 6 million EV battery packs)*

**On track to become one of the world's most cost-competitive cobalt-producing nickel operations**

Exporting to customers planned from 2022

*(subject to finance)*

The information outlined on this page was previously released to the market by Australian Mines via the ASX platform on 13 June 2019 and 12 February 2019. Australian Mines confirms in the subsequent public report that all the material assumptions underpinning the forecast financial information derived from a production target, in the initial public report referred to in Listing Rule 5.17 continues to apply and have not materially changed.



## PROPOSITION

- ✓ 100% owner of multiple battery chemical projects in Australia
- ✓ Advanced project pipeline with a **development-ready flagship project**
- ✓ **Australian Mines plans to own and operate the entire process:**  
from mining its own ore through to producing the final battery-grade cobalt and nickel precursor chemicals (all on the one site in Australia)
- ✓ Processing plant to use **proven technology** and design
- ✓ **Already producing battery precursor chemicals** from the company's demonstration-scale processing plant in Australia
- ✓ On track to become one of the **lowest cost cobalt-producing nickel operations in the world**
- ✓ Queensland State government 'Prescribed Project' status to **streamline approvals and fast-track delivery of the project**
- ✓ Benefits from **existing infrastructure and skilled workforce** in close proximity to proposed site







# COMPANY ASSETS

Building Australia's pre-eminent cobalt + nickel sulphate production company

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**SCONI**  
Greenvale, Queensland  
Cobalt-Nickel-Scandium Project

Planned production over 30+ year mine life:  
46,800tpa Nickel sulphate (10ktpa metal)  
7,000tpa Cobalt sulphate (1.5ktpa metal)  
74tpa Scandium oxide

**BELL CREEK**  
Greenvale, Queensland  
Nickel-Cobalt Project

25 million tonne Mineral Resource  
Low-cost satellite nickel & cobalt mining  
operation option

**FLEMINGTON**  
Fifield, New South Wales  
Cobalt-Nickel-Scandium Project

Future products:  
• Cobalt sulphate  
• Nickel sulphate  
• Scandium oxide

Completed initial scoping study  
Potential to substantially increase  
the current Mineral Resource and  
proposed scale of operation

Resource extension program currently in progress

The information outlined on this page relating to Sconi was previously released to the market by Australian Mines via the ASX platform on 13 June 2019. Australian Mines confirms in the subsequent public report that all the material assumptions underpinning the forecast financial information derived from a production target, in the initial public report referred to in Listing Rule 5.17 continues to apply and have not materially changed.

Scandium oxide production based on 1,441 tonnes of scandium metal produced over 30 year period (65% metal:oxide ratio).

The Mineral Resource Estimate for the Bell Creek Nickel-Cobalt Project is reported under JORC 2012 Guidelines and was reported by Australian Mines Limited on 29 April 2019. The Mineral Resource for Bell Creek, as announced on 29 April 2019 is: Measured 11.4Mt @ 0.84% Ni & 0.05% Co, Indicated 12.7Mt @ 0.64% Ni & 0.03% Co, Inferred 1.7Mt @ 0.55% Ni & 0.03% Co. There has been no Material Change or Re-estimation of the Mineral Resource since this 29 April 2019 announcement by Australian Mines.

The Mineral Resource Estimate for the Flemington Cobalt-Scandium-Nickel Project is reported under JORC 2012 Guidelines and was reported by Australian Mines Limited on 31 October 2017. The Mineral Resource for Flemington, as announced on 31 October 2017 is: Measured 2.5Mt @ 0.103% Co & 403ppm Sc, Indicated 0.2Mt @ 0.076% Co & 408ppm Sc. There has been no Material Change or Re-estimation of the Mineral Resource since this 31 October 2017 announcement by Australian Mines.





## NICKEL MARKET FUNDAMENTALS

Significant supply growth required to meet rising ongoing demand

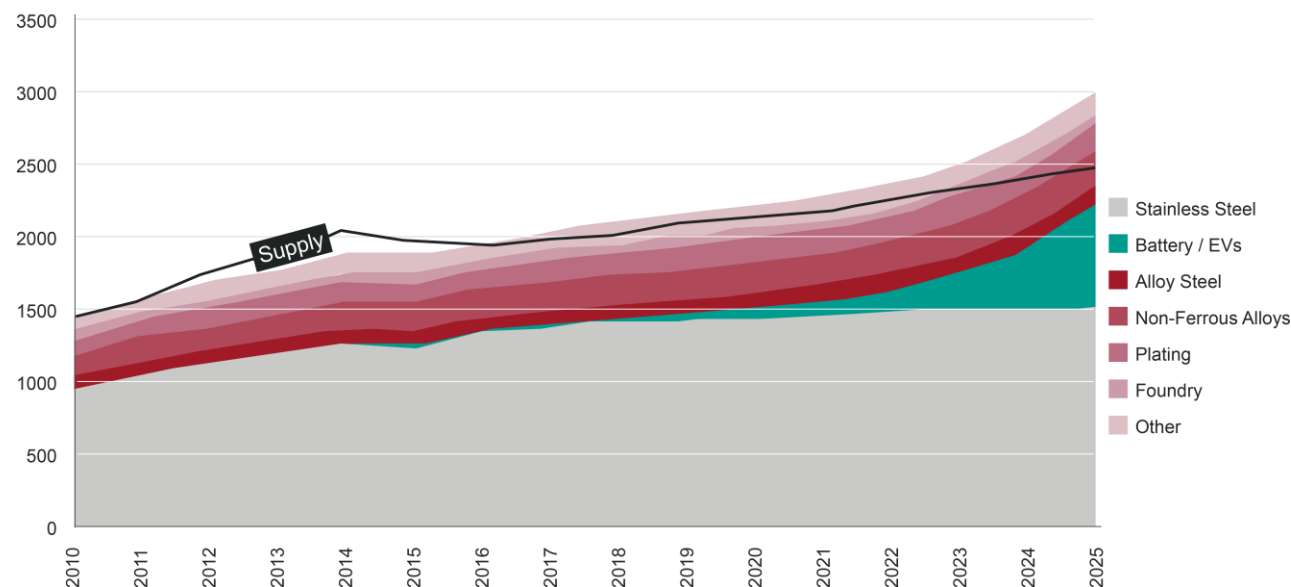
Majority of current nickel production is not geared towards supplying the battery industry

Nickel sulphate production needed to significantly increase over the next few years in order to meet the projected demands from the electric vehicle market

Significant commodity price increase predicted driven by sustained market imbalance

► **competition for feedstock materials is increasing**

Nickel supply-demand balance (kt)



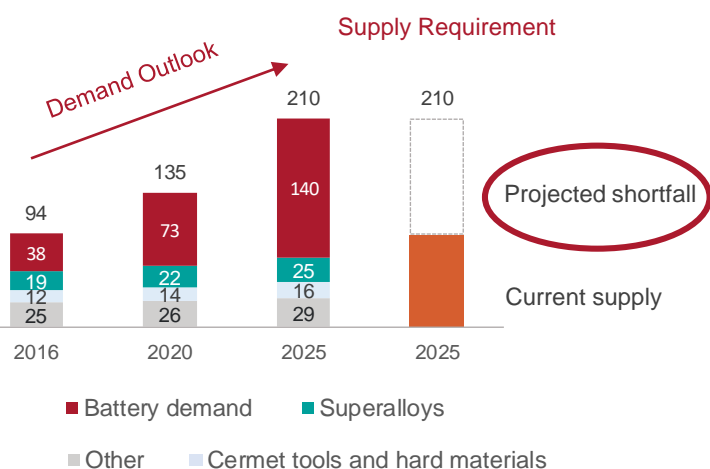


## COBALT MARKET FUNDAMENTALS

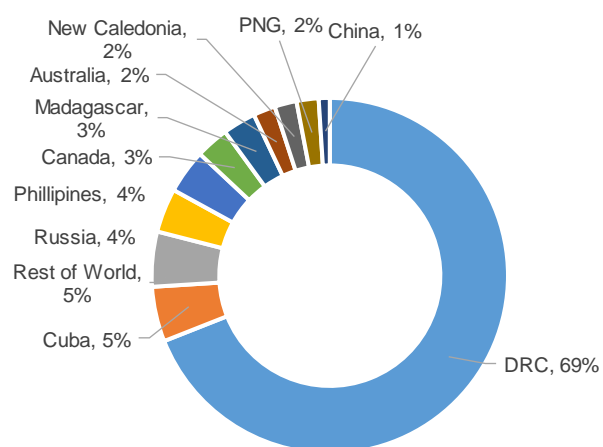
Constrained supply with high-risk geographical concentration

- Demand for cobalt forecast to increase substantially reflecting continued global uptake in lithium-ion batteries and pursuit of higher performing batteries
- Increasing focus by end-users on diversifying cobalt supply chain into jurisdictions with greater auditability and less regulatory and political risk (including Tier 1 jurisdictions such as Australia)

Cobalt supply-demand balance (kt)



Cobalt Supply by Country (in 2018)



# ACTIVITY FROM DOWNSTREAM PARTICIPANTS

Increasingly targeting direct investments to secure long-term supply of battery metals



*Ford says carmakers may need to invest in cobalt mines soon*  
Mining.com, February 2019



*Tesla expects global shortage of electric vehicle battery minerals*  
Reuters, May 2019



*VW looks to secure cobalt supply*  
Reuters, Nov 2017



*BMW announces it will buy cobalt directly from Australia and Morocco*  
Benchmark Minerals, April 2019



*Glencore announces 'long-term' cobalt supply deal with Umicore*  
Financial Times, May 2019



*LG Chem to set up battery material JVs with China's Zhejiang Huayou Cobalt*  
Reuters, April 2019



*POSCO acquires lithium project from Galaxy Resources for \$280m*  
Galaxy Resources: ASX Announcements, May 2018



*Australian Mines signs off-take term sheet with SK Innovation*  
Australian Mines: ASX Announcement, February 2018



*China battery firms set up \$700 million nickel joint venture in Indonesia*  
Reuters, September 2018



*Pilbara Minerals secures funding from Ganfeng Lithium and Great Wall*  
Pilbara Minerals: ASX Announcement, January 2019



*Lithium Australia forms alliance with leading Chinese battery producer*  
Lithium Australia: ASX Announcement, May 2019



*Tinci cornerstones placement of A\$7.0m into Cassini Resources*  
Cassini Resources: ASX Announcement, April 2019



*Worried about nickel supply, China battery maker BYD welcomes JV discussions*  
Reuters, April 2019



*Alliance Minerals in joint venture with Jiangxi Special Electric Motor Co*  
Alliance Minerals: ASX Announcement, April 2019



*Orocobre secures A\$361 million funding initiative with Toyota Tsusho*  
Orocobre: ASX Announcement, January 2018



*Panasonic eyes upstream investments to secure battery raw materials*  
S&P Global, February 2019



Indicates direct investments made into mining companies and/or assets



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SCONI PROJECT

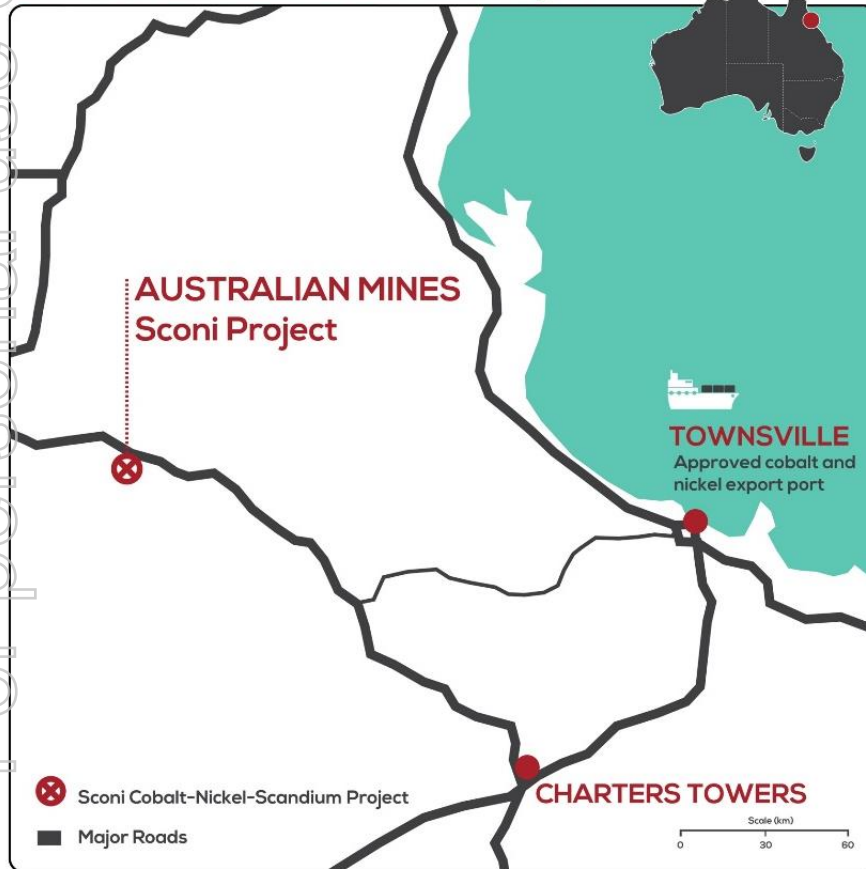




## SCONI

### Australian Mines' Flagship Project

#### Sconi Cobalt-Nickel-Scandium Project



Located 250 kilometres inland from Townsville, Queensland

Approved exporting port with excess capacity located within easy trucking distance along existing sealed roads

Large scale, fully-integrated production plant planned

Utilising industry standard technology capable of reliably processing high purity battery precursor chemicals

Long production life exceeding 30 years

Awarded *Prescribed Project Status* by Queensland Government streamlines approvals and fast-tracks delivery of the project

Operating cost of US\$1.46 per pound Nickel (post by-product credits)



**SCONI**

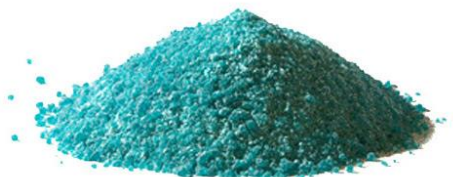
Fully-integrated operation on a single site

Converting raw cobalt and nickel ore into high-purity battery chemicals

**Ensures full value-add is captured on site**

(no further purification of the exported product is required for use by in electric vehicle sector once the product leaves the Sconi site)

Utilising a proven, conventional, industry standard processing flow sheet and construction design



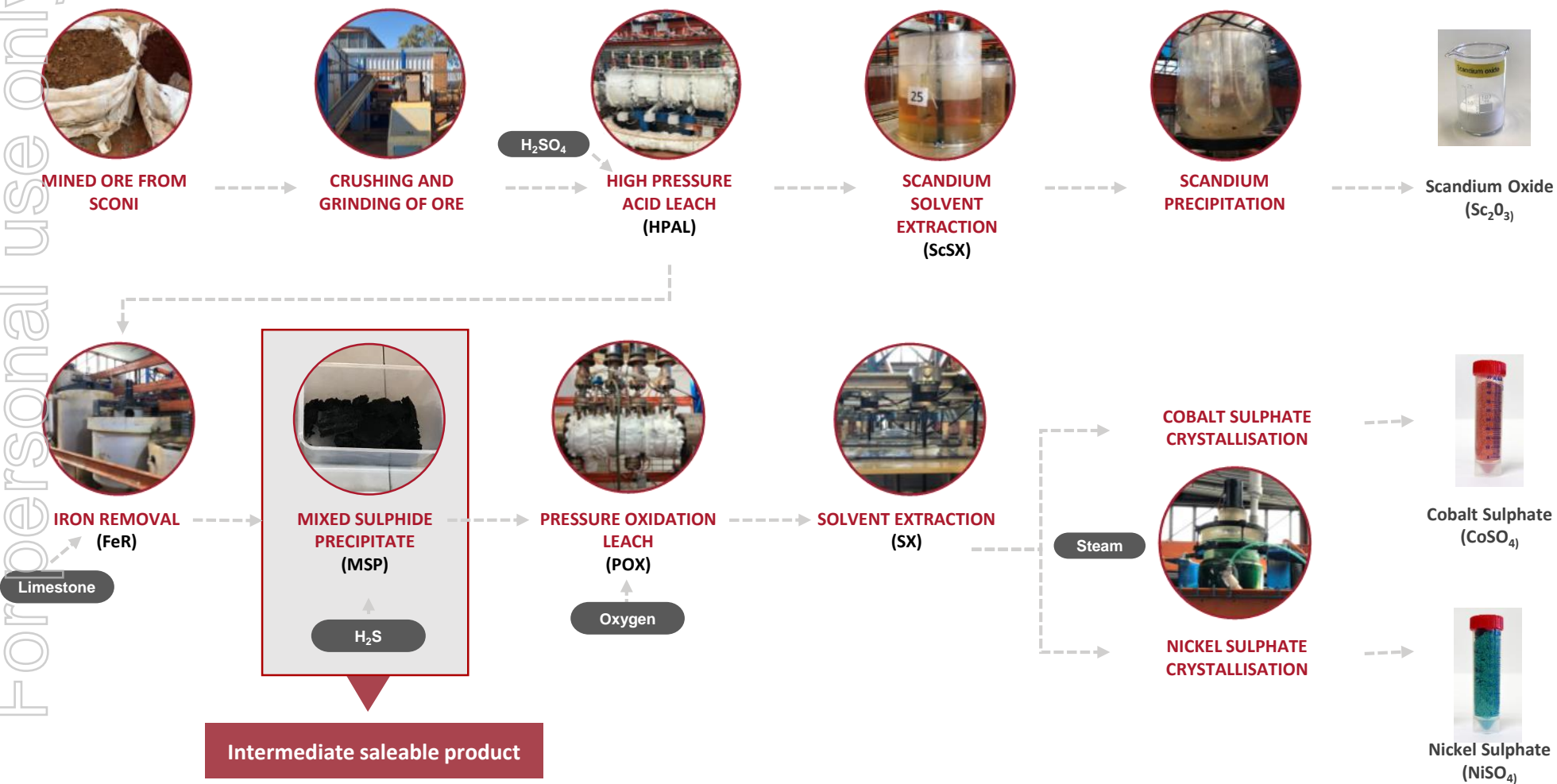




# PROVEN PROCESSING FLOWSHEET

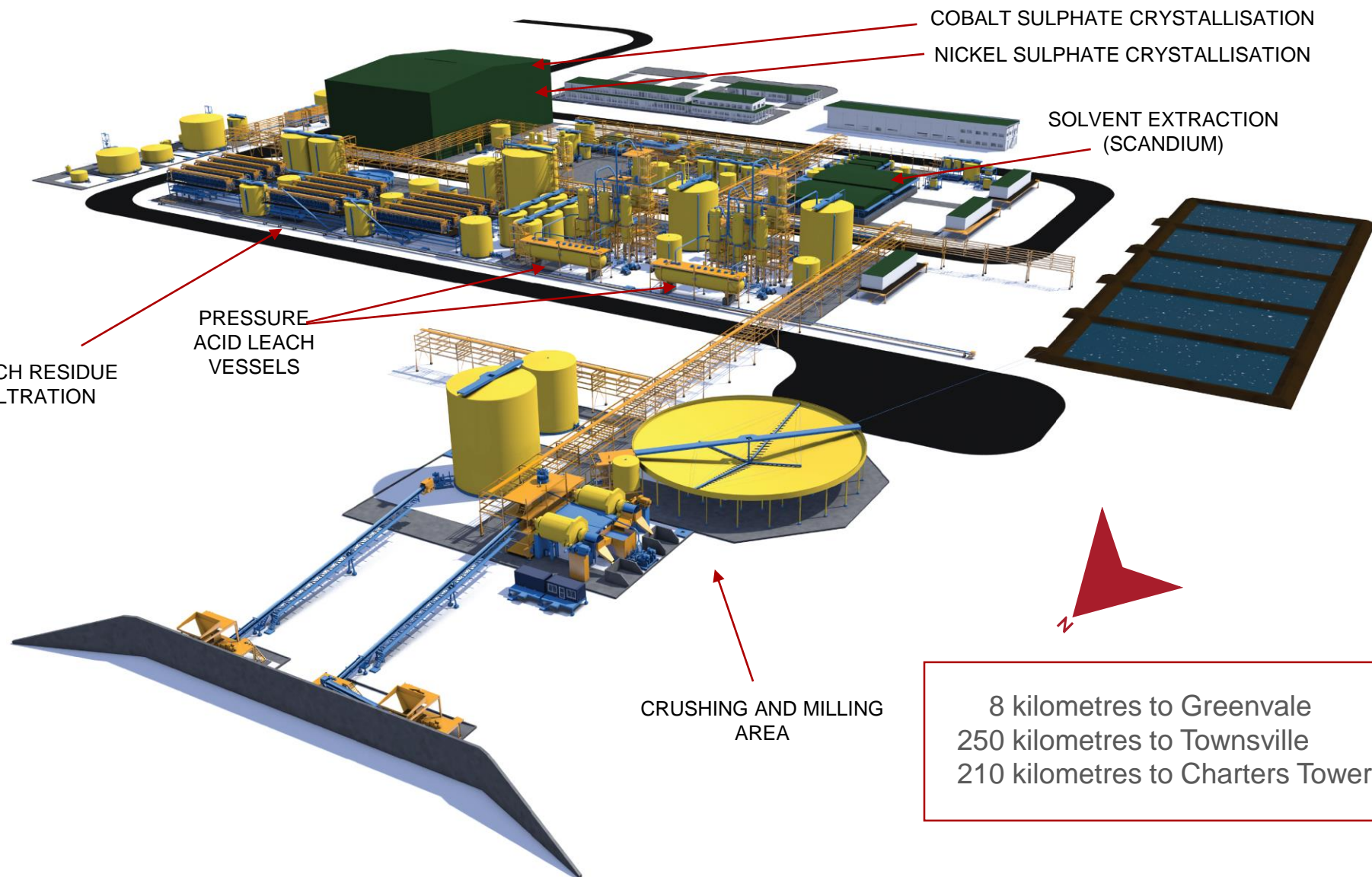
Comprehensively tested via Australian Mines' demonstration-scale processing plant

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# SCONI PROCESSING PLANT

Indicative design of 2 million tonnes per annum processing plant





**SCONI**

Ideally located for a battery chemical processing plant

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- ✓ Within 250 kilometres of the Port of Townsville, being an existing nickel and cobalt exporting port
- ✓ Sealed, all-weather roads from port and local communities to site  
(direct road transport)
- ✓ Existing grid power to site
- ✓ Access to abundant water
- ✓ Reliably serviced by multiple communities with relevant expertise including Townsville, Charters Towers and Ingham
- ✓ Strong support from local communities and all tiers of government







# SCONI

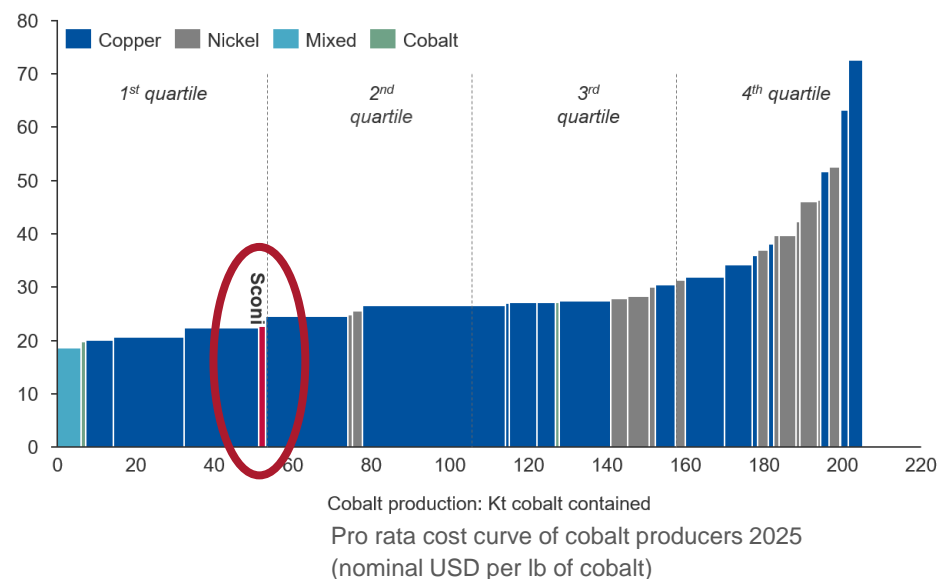
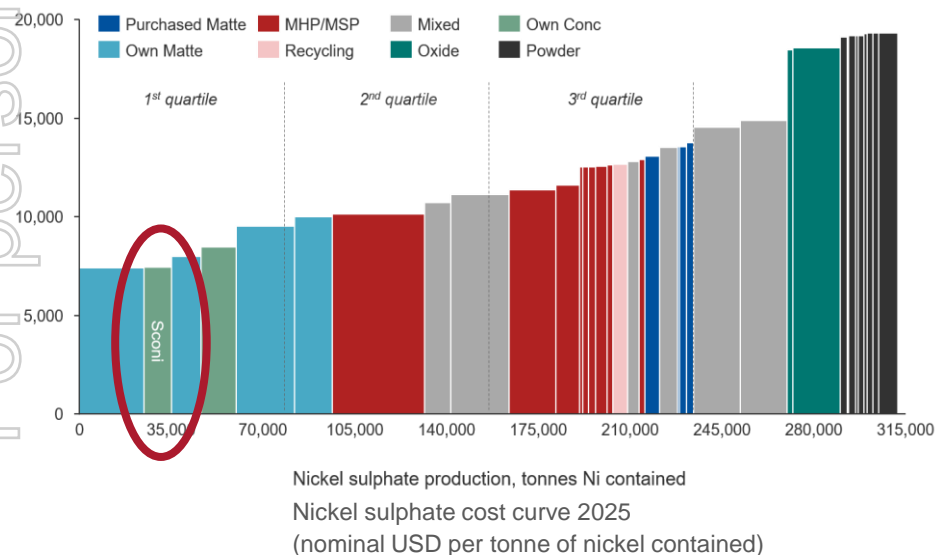
## Future low-cost producer of precursor battery chemicals

Positioned to be one of the most cost competitive cobalt-producing nickel operations in the world

30+ years of future production

Planned production

- 46,800 tonnes of nickel sulphate per annum plus
- 7,000 tonnes of cobalt sulphate per annum



Source: CRU International . Refer to Australian Mines' announcement released on 12 February 2019 for further information

The information outlined on this page was previously released to the market by Australian Mines via the ASX platform on 13 June 2019. Australian Mines confirms in the subsequent public report that all the material assumptions underpinning the forecast financial information derived from a production target, in the initial public report referred to in Listing Rule 5.17 continues to apply and have not materially changed.



**SCONI**

## Bankable Feasibility Study

### Impressive Economic Outcomes

#### 30+ Year Project Life



**Pre-Tax IRR: 20%**  
**Post-Tax IRR: 15%**



**Pre-Tax NPV: \$1.47 Billion**  
**Post-Tax NPV: \$817 million**  
(@ 8% discount rate)



**5.8 Year Payback Period**  
(post tax)



#### Strong Forecasted Financials

Average Annual Revenue: \$442 million  
Average Annual EBITDA: \$231 million



#### Life-of-Mine Average Production

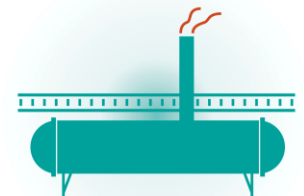
Nickel sulphate:  
46,800 tonnes per annum  
Cobalt sulphate:  
7,000 tonnes per annum



**Operating Costs:**  
**US\$1.46 per pound Nickel**  
(post by-product credits)



**Capital Cost Estimate:**  
**US\$974 million**  
Including US\$110 million contingencies





**SCONI**

## Strategic Plan for 2019

### COMPLETED MILESTONES



Built demonstration-scale plant



Confirmed processing flow sheet



Produced battery chemicals



Delivered Bankable Feasibility Study



Updated Mineral Resource



Revised 30+ year mine plan

21  
**Sc**  
scandium  
44.956

28  
**Ni**  
nickel  
58.693

27  
**Co**  
cobalt  
58.933

### UPCOMING MILESTONES



Execute long form off-take agreement



Finalise detailed engineering



Finalise project financing



Commence construction

As previously reported by the company, Australian Mines is presently negotiating a long form off-take agreement with SK Innovation for 100% of the cobalt sulphate and nickel sulphate produced from the Sconi Project following a binding term sheet agreement being signed between both parties in 2018. These negotiations, whilst progressing, are currently incomplete. Details of any executed long form off-take contract between Australian Mines and SK Innovation will be released to the market by the company via the ASX platform at the appropriate time and in accordance with the company's continuous disclosure obligations .



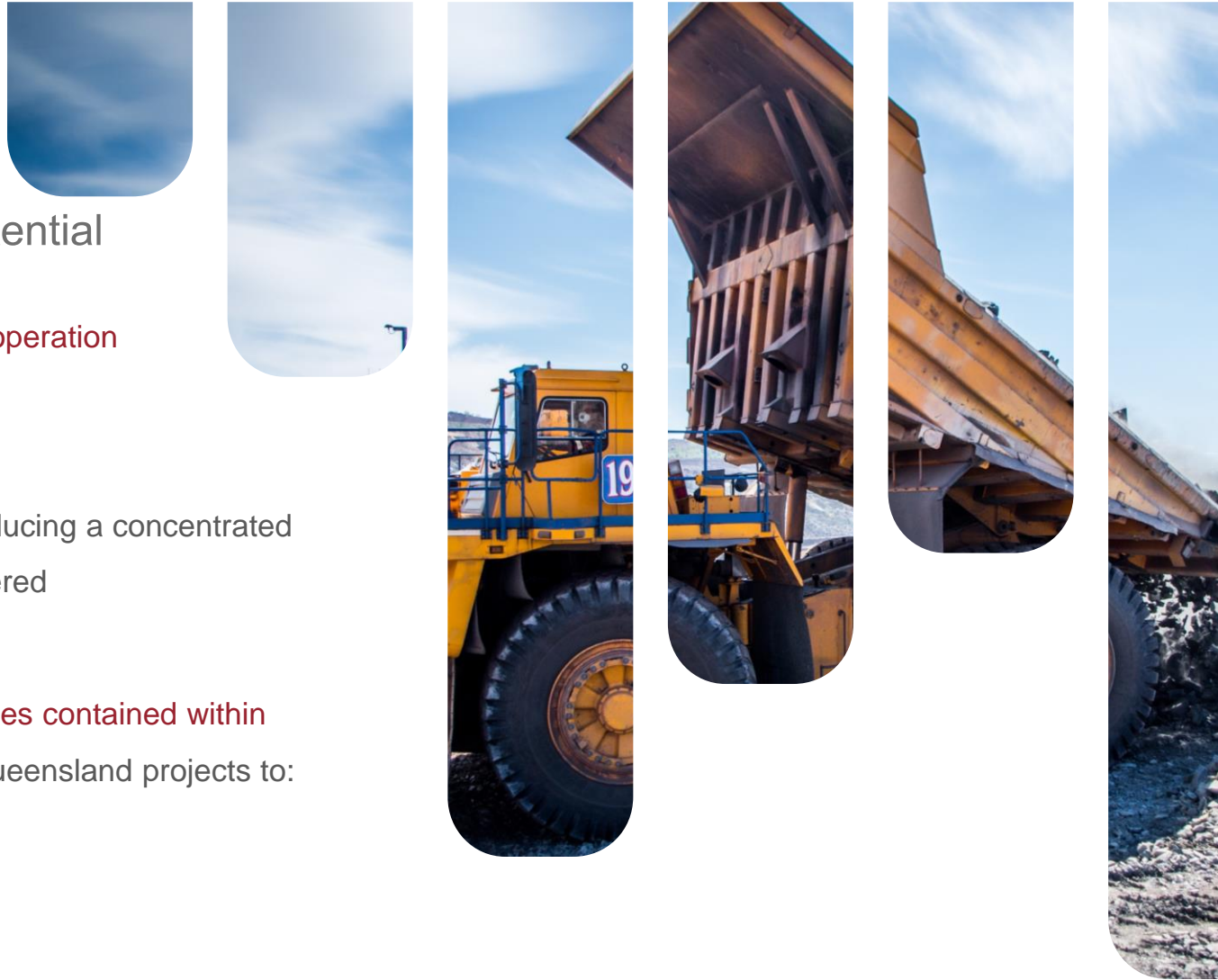
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**OTHER PROJECTS**



## BELL CREEK



### Low-Cost Satellite Operation Potential

- Assessing **low-cost satellite nickel-cobalt operation** potential of Bell Creek
- On-site beneficiation plant capable of producing a concentrated feed for trucking is currently being considered
- Boosts the **cobalt and nickel metal quantities contained within Australian Mines' Mineral Resources** in Queensland projects to:
  - 738,359 tonnes of nickel and
  - 71,575 tonnes of cobalt

Refer to Australian Mines' announcement released on 29 April 2019 for further information on the nickel and cobalt tonnages referred to on this page.

This breakdown of the individual Mineral Resources that results in the 738,359 tonnes of contained nickel and 71,575 tonnes of contained cobalt referred to on this page is as follows:

The Mineral Resource for the Sconi Project is reported under JORC 2012 Guidelines and was reported by Australian Mines on 14 February 2019. The Mineral Resource for the Sconi Project, as outlined in the 14 February 2019 report is: Measured 8.27Mt @ 0.75% Ni & 0.09% Co; Indicated 49.24Mt @ 0.60% Ni & 0.08% Co; Inferred 18.2 Mt @ 0.54% Ni & 0.05% Co. There has been no Material Change or Re-estimation of the Mineral Resource since this 29 April 2019 announcement the company

The Mineral Resource Estimate for the Bell Creek Project is reported under JORC 2012 Guidelines and was reported by Australian Mines Limited on 29 April 2019. The Mineral Resource for Bell Creek, as announced on 29 April 2019 is: Measured 11.4Mt @ 0.84% Ni & 0.05% Co, Indicated 12.7Mt @ 0.64% Ni & 0.03% Co, Inferred 1.7Mt @ 0.55% Ni & 0.03% Co There has been no Material Change or Re-estimation of the Mineral Resource since this 29 April 2019 announcement by the company

The Mineral Resource Estimate for the Minnamoolka Project is reported under JORC 2004 Guidelines and was first reported by Metallica Minerals on 19 January 2009. This Resource, and the underlying data and assumptions were comprehensively reviewed and confirmed by Australian Mines' Competent Person, and subsequently stated in a company announcement that was released via the ASX Announcement Platform on 31 March 2017. The Mineral Resource for Minnamoolka, as outlined in this report is: Indicated 11.8Mt @ 0.66% Ni & 0.03% Co; Inferred 2.9Mt @ 0.64% Ni & 0.02% Co. The Minnamoolka Mineral Resource in this document is reported under JORC 2004 Guidelines, as there has been no Material Change or Re-estimation of the Mineral Resource since the introduction of the JORC 2012 Code. Future estimates of the Minnamoolka Project resource will be completed to JORC 2012 Guidelines



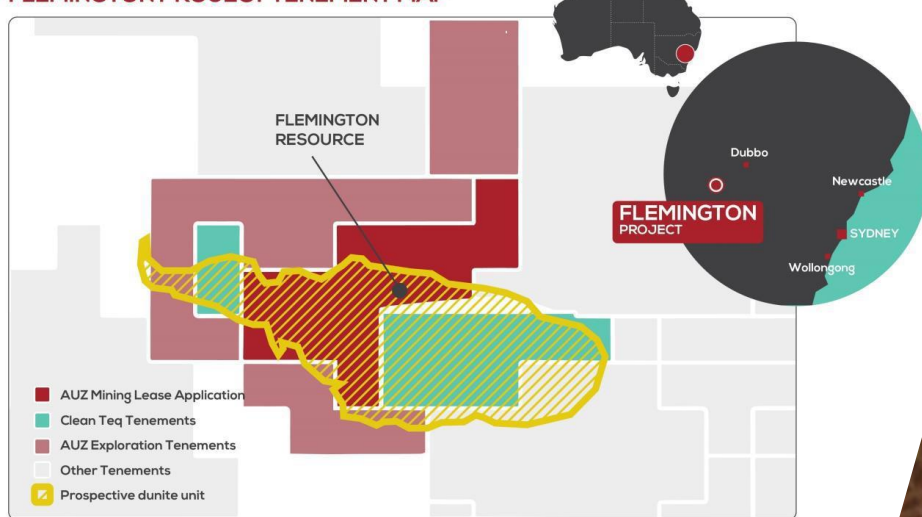


## FLEMINGTON

### A Potential Second Production Hub for Australian Mines

- Recent drilling continuing to intersect thick zones of high-grade cobalt
- Significant potential to materially expand the current Mineral Resource
- Mining and processing plant approvals in progress
- Processing flow sheet being finalised

FLEMINGTON PROJECT TENEMENT MAP



Initial Mineral Resource of 2.5 million tonnes at 0.103% cobalt and 403ppm scandium in the Measured category; and 0.2 million tonnes at 0.076% cobalt and 408ppm scandium in the Indicated category. Mineral Resources as per Australian Mines' announcement released via the ASX platform on 31 October 2017. There has been no Material Change or Re-estimation of the Mineral Resource since this 31 October 2017 announcement by Australian Mines.

Refer to Australian Mines' announcement released on 17 June 2019 for full details of the drill results returned from the Company's resource expansion program at Flemington

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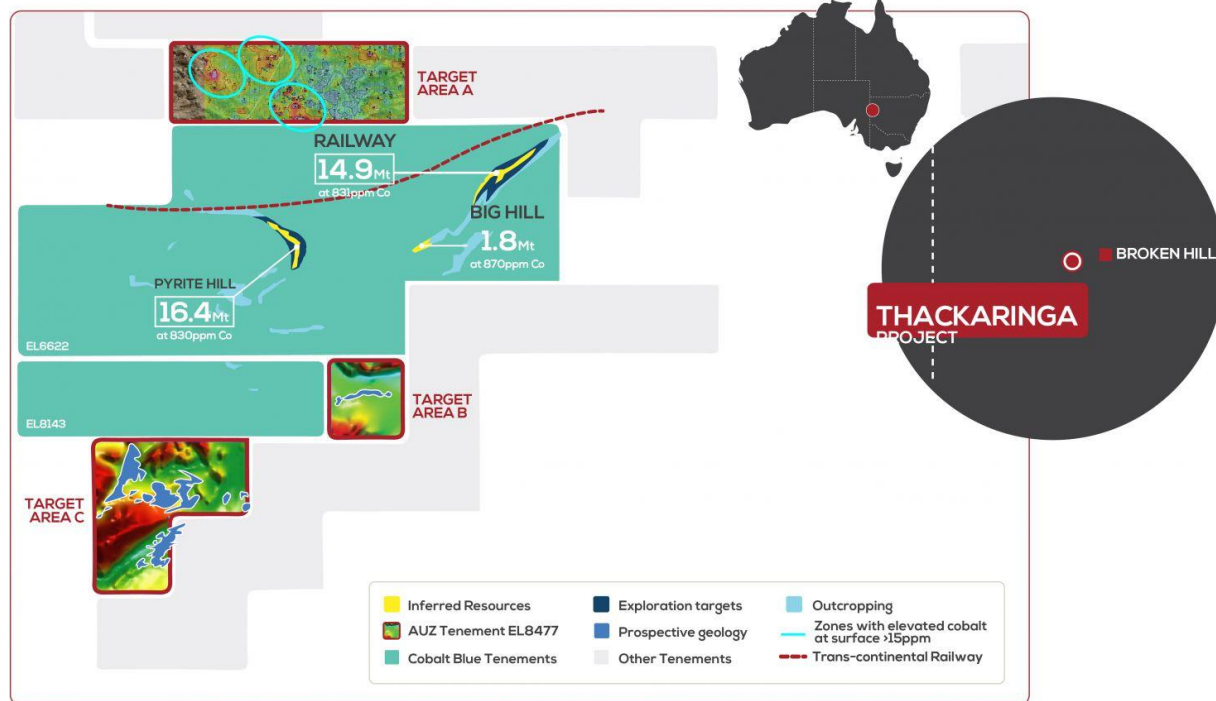


## THACKARINGA

Early stage pure cobalt project

- Located in a prospective region of New South Wales, near Broken Hill
- Priority cobalt targets identified for follow-up assessment

### THACKARINGA PROJECT Tenement MAP





# EXCEPTIONAL OPPORTUNITY

## Australian Mines:

1 Pursuing a **dominant position** in the production and supply of battery (cobalt and nickel) chemicals

2 On track to become one of the **world's lowest cost cobalt-producing nickel operations**

3 **De-risked development-ready** flagship project located in sovereign-stable jurisdiction with **fully auditable supply chain**

4 Pipeline of advanced 100% owned projects, including the potential for a **second battery chemical processing plant**



## FOR FURTHER INFORMATION:

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E [investorrelations@australianmines.com.au](mailto:investorrelations@australianmines.com.au)







**Michael Ramsden**

Chairman

Lawyer (BEc, LLB, FFIN)

30 years experience as a corporate advisor



**Mick Elias**

Non-Executive Director

Geologist (BSc (Hons), FAusIMM, CPGeo)

Internationally recognised expert in lateritic nickel-cobalt deposits with 35 years experience in nickel resource development



**Dominic Marinelli**

Non-Executive Director

Financial Professional (MBA, BEng, PGD Sc)

Over 20 years corporate fundraising experience



**Oliver Carton**

Company Secretary

BJuris LLB

Qualified lawyer with over 30 years' experience in a variety of corporate roles



**Benjamin Bell**

Managing Director

BSc, MMET, MBA

25 years experience in the resources sector



**Stuart Peterson**

Exploration Manager

BSc

Geologist and experienced Exploration Manager with more than 16 years industry experience



**Marcus Hughes**

Chief Financial Officer

BCom CPA

Over 20 years finance experience in structuring large project debt funding and capital raisings, with companies including FMG and Rio Tinto



**Tim Maclean**

Chief Operating Officer

Metallurgist (MSc, MBA)

25 years experience building and operating large-scale nickel laterite processing plants for companies including Vale, Alcoa and Rio Tinto



**Sophia Bolhassan**

Investor Relations Manager

BSc (Hons)

10 years experience in investment banking including strategic planning and business development with companies including Citi





## Competent Persons' Statements

### Sconi Project, Queensland (Australia)

The Mineral Resource for the Sconi Project contained within this document is reported under JORC 2012 Guidelines. This Mineral Resource was first reported by Australian Mines Limited on 14 February 2019. There has been no Material Change or Re-estimation of the Mineral Resource since this 14 February 2019 announcement by Australian Mines Limited.

The information in this report that relates to Mineral Resources is based on, and fairly reflects, information compiled by Mr David Williams, a Competent Person, who is an employee of CSA Global Pty Ltd and a Member of the Australian Institute of Geoscientists (#4176). Mr Williams has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources, and Ore Reserves (JORC Code). Mr Williams consents to the disclosure of information in this report in the form and context in which it appears.

The Ore Reserve for the Sconi Project contained within this document is reported under JORC 2012 Guidelines. This Ore Reserve was first reported by Australian Mines Limited on 13 June 2019. There has been no Material Change or Re-estimation of the Ore Reserve since this 13 June 2019 announcement by Australian Mines Limited.

The information in this report that relates to Ore Reserves is based on, and fairly reflects, information compiled by Mr Jake Fitzsimons, a Competent Person, who is an employee of Oreology Consulting Pty Ltd and a Fellow of the Australian Institute of Mining and Metallurgy. Mr Fitzsimons has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources, and Ore Reserves (JORC Code). Mr Fitzsimons consents to the disclosure of information in this report in the form and context in which it appears.



## Competent Persons' Statements

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### Flemington Project, New South Wales (Australia)

The Mineral Resource for the Flemington Project contained within this document is reported under JORC 2012 Guidelines. This Mineral Resource was first reported by Australian Mines Limited on 31 October 2017. There has been no Material Change or Re-estimation of the Mineral Resource since this 31 October 2017 announcement by Australian Mines Limited.

Information in this report that relates to Flemington Cobalt-Nickel-Scandium Project's Exploration Results is based on information compiled by Mr Mick Elias, who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Elias is a director of Australian Mines Limited. Mr Elias has sufficient experience relevant to this style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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 Elias consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.





## Competent Persons' Statements

### Minnamoolka Project, Queensland (Australia)

The Mineral Resource for the Minnamoolka Project is reported under JORC 2004 Guidelines and was reported by Metallica Minerals on 19 January 2009. This Resource, and the underlying data and assumptions were comprehensively reviewed and confirmed by Australian Mines' Competent Person, and subsequently stated in a Company announcement that was released via the ASX Announcement Platform on 31 March 2017.

The information regarding the Minnamoolka Mineral Resource has been extracted from various announcements released via the ASX Announcements Platform, including Australian Mines' announcement dated 31 March 2017 titled *Technical Reports*, which is available either on the Australian Mines website ([www.australianmines.com.au](http://www.australianmines.com.au)) or through the ASX website at [www.asx.com.au](http://www.asx.com.au) (using ticker code "AUZ"). Australian Mines confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in that market announcement continue to apply and have not materially changed. Australian Mines confirms that the form and context in which the Competent Person's findings are presented have not materially modified from the original market announcement. The Minnamoolka Mineral Resource in this document is reported under JORC 2004 Guidelines, as there has been no Material Change or Re-estimation of the Mineral Resource since the introduction of the JORC 2012 Code.

Future estimates of the Minnamoolka Project resource will be completed to JORC 2012 Guidelines.



# Sconi Project - Mineral Resources

(effective 14 February 2019)

## Greenvale Mineral Resource

Lower cut-off grade: Nickel equivalent 0.40%

Mineral Resources as per Australian Mines' announcement released via the ASX platform on 14 February 2019. Prepared by CSA Global in accordance with the current 2012 JORC Code. There has been no Material Change or Re-estimation of the Mineral Resource since this 14 February 2019 announcement by Australian Mines.

Classification	Tonnes (million tonnes)	Nickel equivalent (%)	Nickel (%)	Cobalt (%)
Measured	5.05	1.06	0.83	0.07
Indicated	17.24	0.90	0.73	0.05
Inferred	10.34	0.63	0.54	0.04
<b>TOTAL</b>	<b>32.63</b>	<b>0.84</b>	<b>0.69</b>	<b>0.05</b>

## Lucknow Mineral Resource

Lower cut-off grade: Nickel equivalent 0.55%

Classification	Tonnes (million tonnes)	Nickel equivalent (%)	Nickel (%)	Cobalt (%)
Measured	1.60	0.91	0.53	0.11
Indicated	12.63	0.83	0.47	0.11
Inferred	0.38	0.66	0.55	0.03
<b>TOTAL</b>	<b>14.62</b>	<b>0.83</b>	<b>0.48</b>	<b>0.11</b>

## Kokomo Mineral Resource

Lower cut-off grade: Nickel equivalent 0.45%

Classification	Tonnes (million tonnes)	Nickel equivalent (%)	Nickel (%)	Cobalt (%)
Measured	1.62	1.17	0.73	0.15
Indicated	19.37	0.83	0.57	0.09
Inferred	7.48	0.70	0.53	0.07
<b>TOTAL</b>	<b>28.47</b>	<b>0.81</b>	<b>0.57</b>	<b>0.09</b>

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Nickel equivalent grades were calculated according to the following formula:  $NiEq = [(nickel\ grade \times nickel\ price \times nickel\ recovery) + (cobalt\ grade \times cobalt\ price \times cobalt\ recovery)] / (nickel\ price \times nickel\ recovery)$

The formula was derived using the following commodity prices and recoveries:

Forex US\$:A\$ = 0.71,

Nickel – A\$27,946/t and 94.8% recovery,

Cobalt – A\$93,153/t and 95.7% recovery.

Prices and recoveries effective as at 10th February 2019.

Metal recovery data was determined by variability test work of nickel and cobalt solvent extraction during the inhouse pilot plant test work program. Results typically achieved between 90% and 99% from samples with nickel and cobalt grades aligned with expected mine grades as reported from the Mineral Resource model. Lower recoveries of between 85% and 90% were achieved from some lower-grade samples to determine economic cut off grades. It is the opinion of Australian Mines that all the elements included in the metal equivalents calculation have a reasonable potential to be recovered and sold. Detail supporting the formula are provided within the Company's 14 February 2019 announcement. The Competent Person and Australian Mines believe there are reasonable prospects for eventual economic extraction of the Mineral Resources. Consideration was given to the relatively shallow depth of the mineralisation, existing infrastructure near to the project including sealed road access, power, labour and water, and positive results from the 2018 Feasibility Study.





# Sconi Project – Ore Reserve

(effective 13 June 2019)

Ore Reserve as per Australian Mines' announcement released via the ASX platform on 13 June 2019. Prepared by specialist mine planning consultants, Orelogy, in accordance with the current 2012 JORC Code. There has been no Material Change or Re-estimation of the Ore Reserve since this 13 June 2019 announcement by Australian Mines.

Classification	Pit	Ore (Million tonnes)	Nickel (%)	Cobalt (%)	Scandium (ppm)
Proved	Greenvale	4.49	0.83	0.07	36
	Kokomo	1.52	0.72	0.15	58
	Lucknow	2.07	0.47	0.09	51
	Sub-total	8.08	0.72	0.09	44
Probable	Greenvale	13.08	0.73	0.05	29
	Kokomo	17.43	0.57	0.09	31
	Lucknow	18.71	0.42	0.08	38
	Sub-total	49.22	0.55	0.08	33
Total	Greenvale	17.57	0.76	0.06	31
	Kokomo	18.96	0.58	0.10	33
	Lucknow	20.77	0.42	0.08	39
	<b>TOTAL</b>	<b>57.30</b>	<b>0.58</b>	<b>0.08</b>	<b>35</b>

Sconi Project Ore Reserve summary based on based on variable nickel equivalent cut-off between 0.40% and 0.45%.

The Mineral Resource figures in the preceding slide are inclusive of the Ore Reserve figures above. Approximately 14% of the Ore Reserves (outlined in the table above) are classified as Proved and 86% are classified as Probable. It should be noted that the Proved and Probable Reserves are inclusive of allowance for mining dilution and ore loss.

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The breakeven cut-off grade was determined to be between 0.40% - 0.45% nickel equivalent using the formula: Nickel equivalent (%) = [(Ni grade x Ni price x Ni recovery) + (Co grade x Co price x Co recovery) ÷ (Ni price x Ni recovery)] where: nickel price = 27,946 AUD, cobalt price = 93,153 AUD, Nickel Recovery = 94.8%, Cobalt Recovery = 95.7%.

Open-pit optimisation was undertaken using US\$9/lb for nickel and US\$30/lb for cobalt and an exchange rate of 0.71 AUD/USD. No value was applied to scandium.

Optimisation inputs parameters were:

- Ore processing rate of 2 million tonne per annum throughput
- Dilution was applied through re-blocking to the 2m mining height
- Overall slope angle of 45°.
- Mining costs based on contractor rates averaging of US\$2.26/t mined
- Ore costs for grade control, rehandle, reclaim and extra over for ore mining of US\$1.88/t ore
- Mining overheads of US\$2.15/t ore
- Road train haulage of US\$2.05/t ore and \$US\$10.04/t ore from Lucknow and Kokomo respectively
- Variable processing costs (averaging US\$30.70/t ore) based on sulphur, limestone consumption linked primarily to magnesium and aluminium and NaOH consumption linked to nickel and cobalt
- Fixed overheads of US\$33.21/t for G&A, plant labour, maintenance and sustaining capital
- Selling costs of \$32.77/t product plus royalties of 3.2% and 5.0% for Ni and Co respectively

Due to the variable processing costs the pit optimisation was based on block value calculations for free cash flow. The breakeven cut-off grade was determined to be between a 0.4% and 0.45% nickel equivalent grade.