

July 2017

# Investor Presentation

**COB : ASX**



# Cobalt – our increasing dependency

## Consumer Electronics

### SMART PHONE

Size = 5.5 Wh

**Cobalt: 6grams**  
(\*A\$0.50)



### TABLET

Size = 20 Wh

**Cobalt 23 grams**  
(\*A\$1.90)



### LAPTOP

Size = 30 Wh

**Cobalt 33 grams**  
(\*A\$2.60)



## Technology Disruption

### FIXED STORAGE

Size = 7 kWh

**Cobalt: 3 kgs**  
(\*A\$240)



### BATTERY ELECTRIC VEHICLE

Size = 85 kWh

**Cobalt 15 kgs**  
(\*A\$1,200)



### WIDE BODY AIRCRAFT

A380 shown (4 engine)

**Cobalt: 4,500 kgs**  
(\*A\$360,000)



## Evolution of Superalloys

### 1958: BOEING 707

**Cobalt: 15 kgs**  
(\*A\$1,200)



### 1994: BOEING 747

10x cobalt for  
<4x weight B707

**Cobalt: 650kg**  
(\*A\$50,000)



### 2006: Airbus A380

20x cobalt for  
<6x weight B707

**Cobalt: 4,500kgs**  
(\*A\$360,000)



\* LME Cobalt Spot Price – July 2017

# Cobalt – the new energy revolution

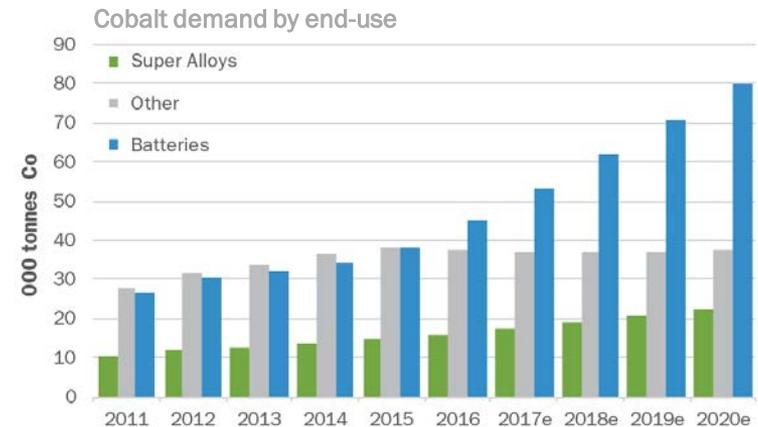
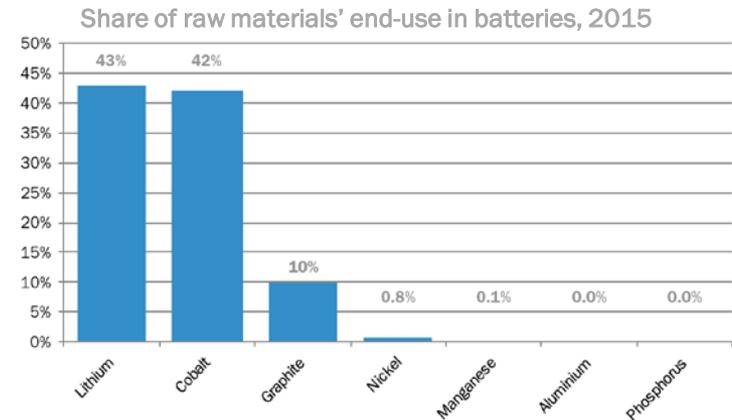
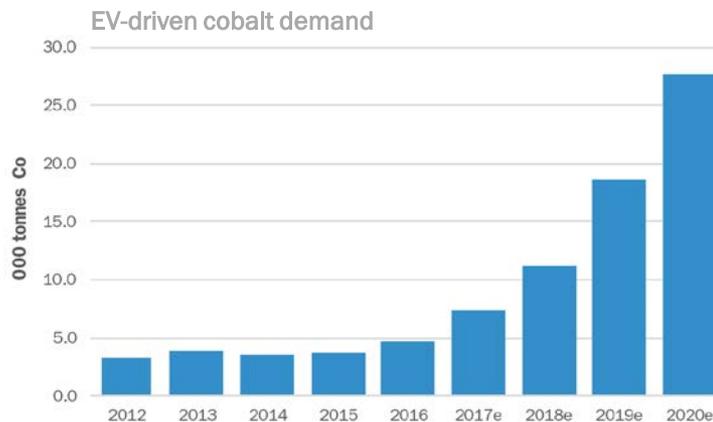
The New Energy sector is disruptive, rapidly evolving, and delivering returns

## INCREASINGLY INVESTABLE:

- Cyclical winners and losers as the sector progresses.

## RAW MATERIALS:

- Cobalt is a vital component in rechargeable batteries
- EV penetration rate of 1% by 2020 increases auto battery cobalt demand by 44% CAGR

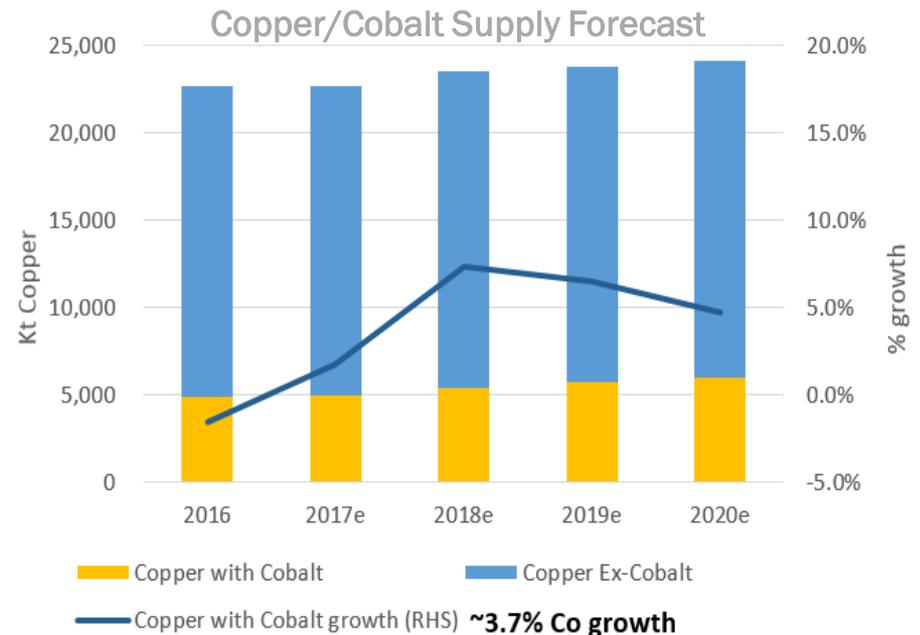
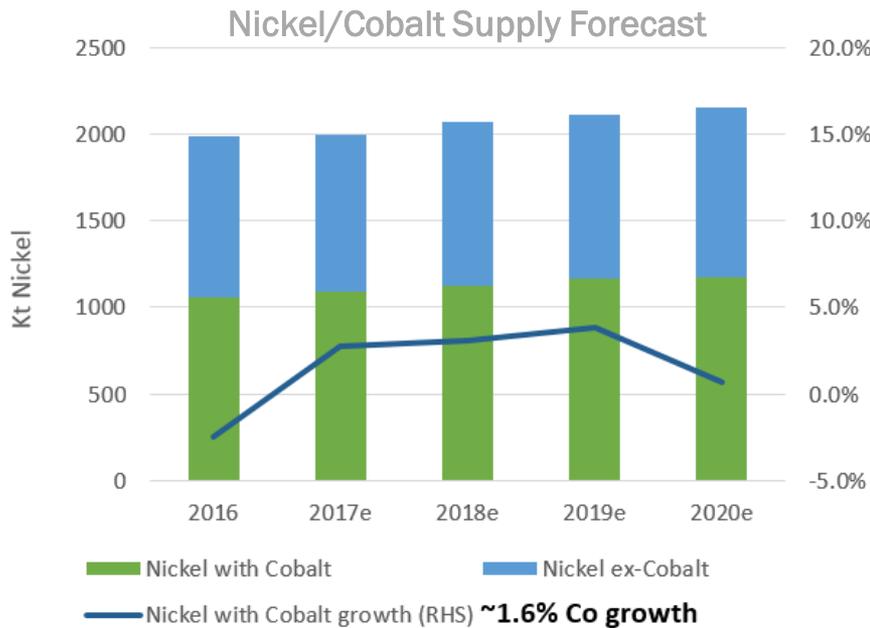
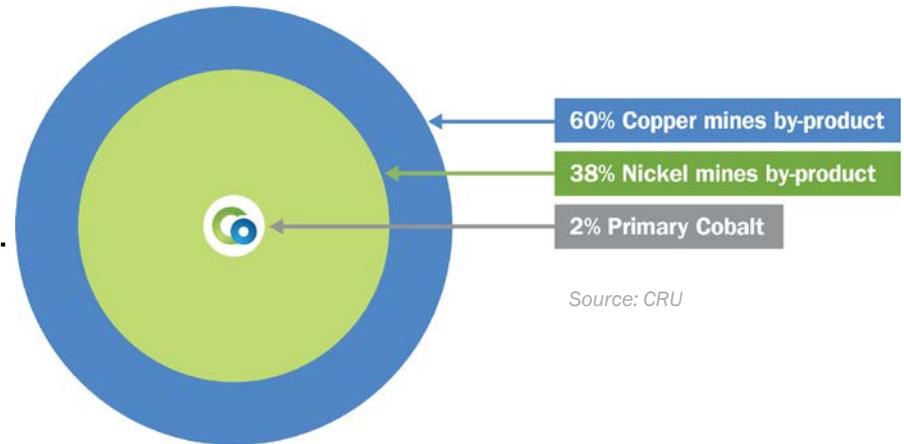


Source: CDI, USGS, company data, Hillcrest Consulting research estimates

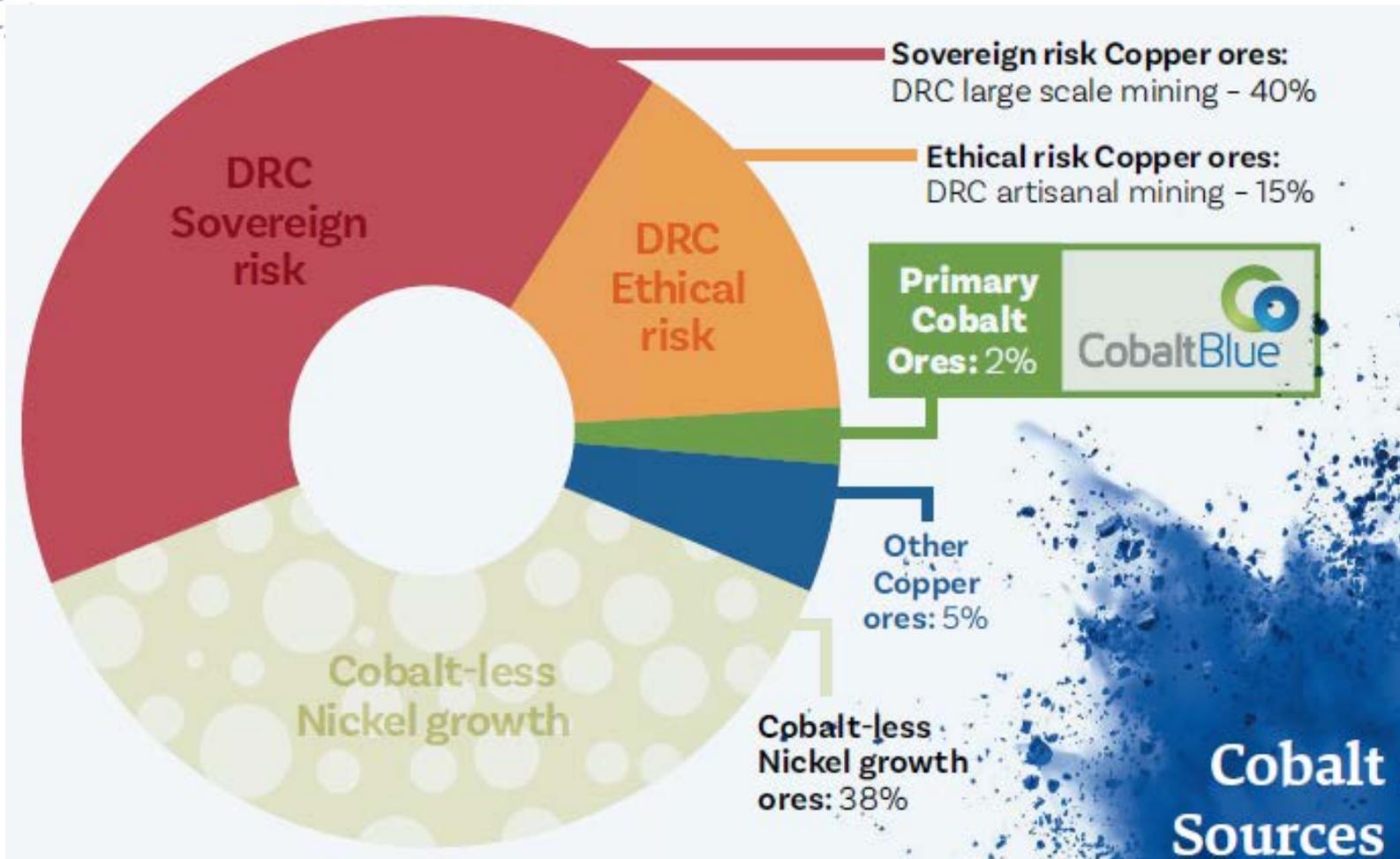
# Cobalt – less growth

## Cobalt supply constrained

- Cobalt supply growth in copper/nickel by-product will average 3-4% to 2020.
- Cobalt demand growth will average 9% to 2020.
- Forecast cobalt shortage of 10-20Kt by 2020.
- Cobalt Blue tonnes are required for market balance in the longer term.



# Cobalt Market - Supply Side at Risk



Source: CRU & Cobalt Blue Holdings

# Thackaringa – Resource Table

Category	Mt	Co ppm	Fe %	S %	Pyrite %	Co Tonnes	Py Mt	Density
<b>Total (at a 500ppm Co cut-off)</b>								
Indicated	6.5	951	10.54	9.93	18.63	6,182	1.21	2.86
Inferred	48.4	905	10.14	9.51	17.83	43,804	8.63	2.85
<b>Total</b>	<b>54.9</b>	<b>910</b>	<b>10.19</b>	<b>9.56</b>	<b>17.92</b>	<b>49,986</b>	<b>9.84</b>	<b>2.85</b>

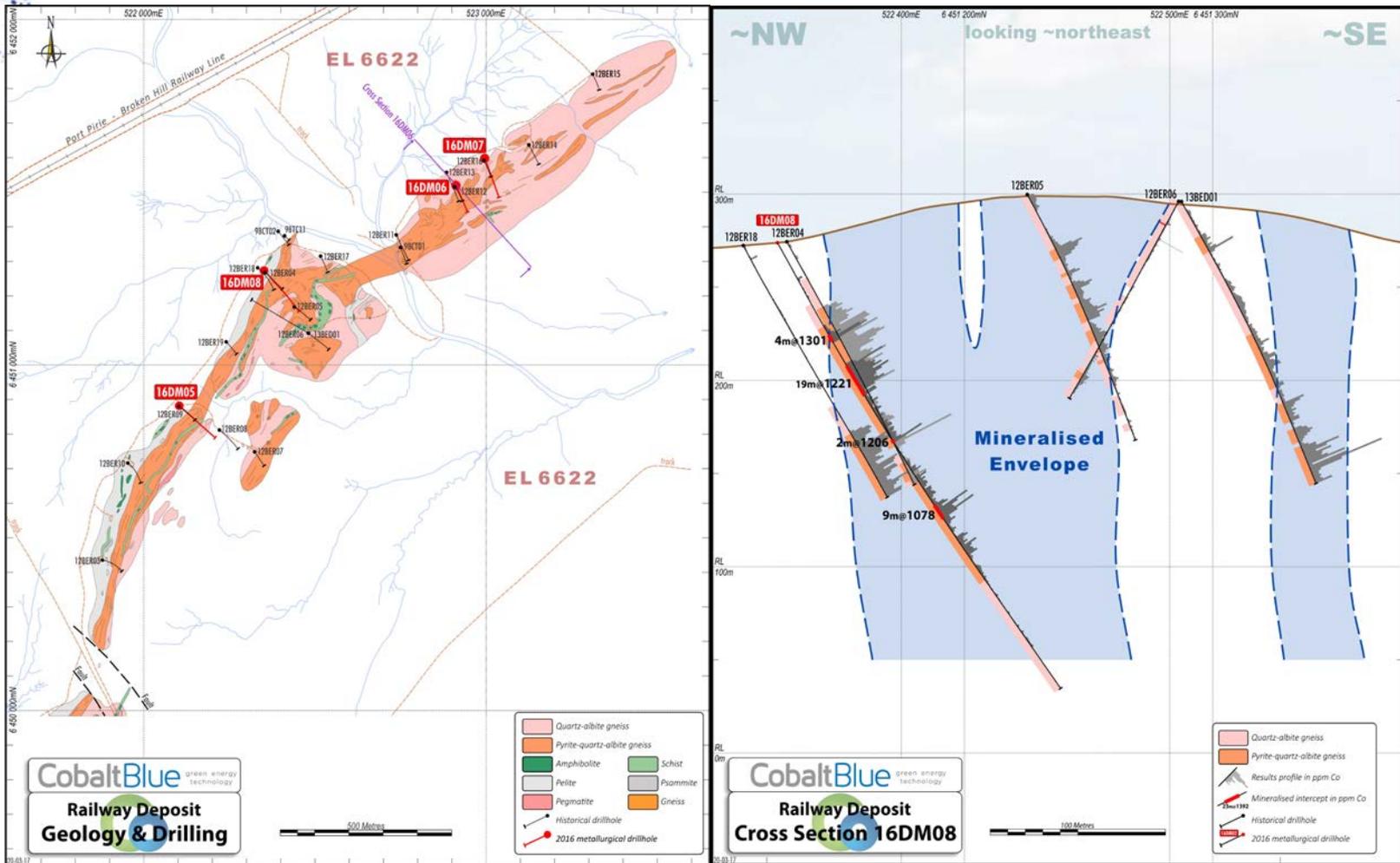
Additional resource potential has been defined through the identification of the following exploration targets:

Prospect	Mt	Co ppm	Fe %	S %	Pyrite %
Pyrite Hill	5 to 7	850 to 1050	10 to 13	9.5 to 11.5	18 to 22
Big Hill	2.5 to 3.5	650 to 750	6.5 to 7.5	7 to 8	11.5 to 13.5
Railway	11.5 to 15.5	850 to 950	9 to 10	8.5 to 9.5	16 to 18
<b>Total</b>	<b>18 to 26</b>	<b>800 to 1000</b>	<b>8 to 12</b>	<b>8.5 to 10.5</b>	<b>16 to 20</b>

The potential quantity and grade of these 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 determination of a Mineral Resource.

Source: Cobalt Blue Holdings

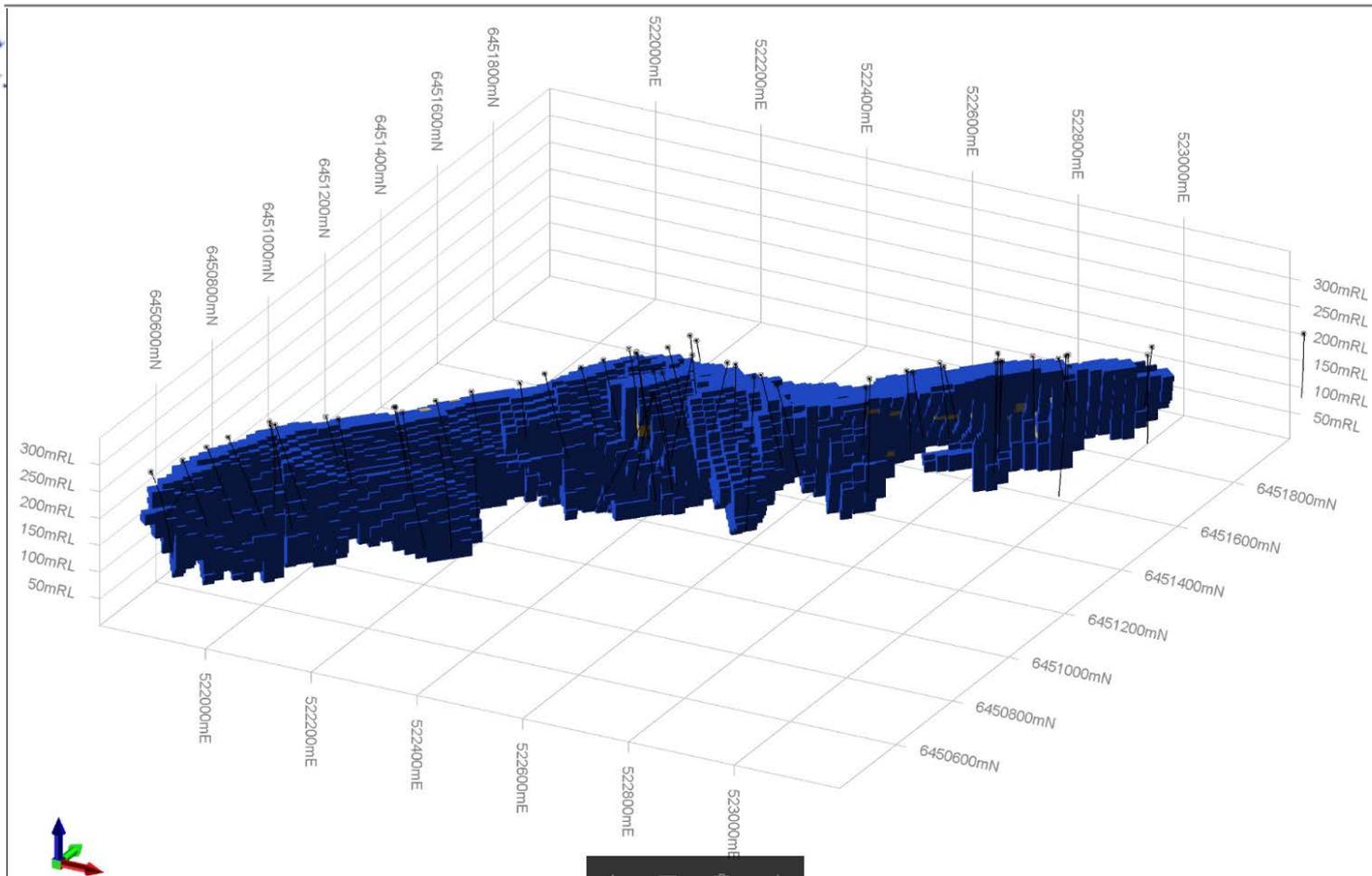
# Thackaringa – Railway Deposit



Railway Deposit

Source: Cobalt Blue Holdings Ltd

# Thackaringa – Targeting ridgelines



Railway - Oblique view looking north west illustrating resource blocks comprising the Inferred (blue) and Indicated (yellow) components of the Mineral Resource estimate.

# “2017 is shaping up to be a big year for Cobalt Blue”

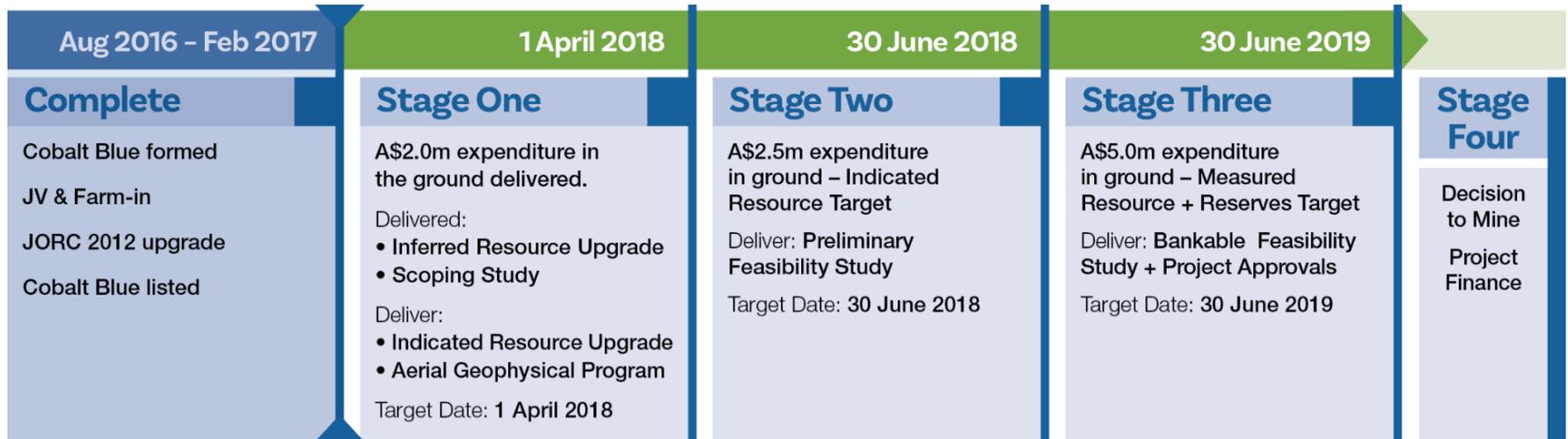
**~10,000m of drilling targeted for FY18**

= *One of the largest cobalt exploration commitments on the ASX*

**ASPIRATIONAL TARGET:** Significant improvement in size of the Thackaringa cobalt deposit

= *A global top 10 mining operation with 20 year + life*

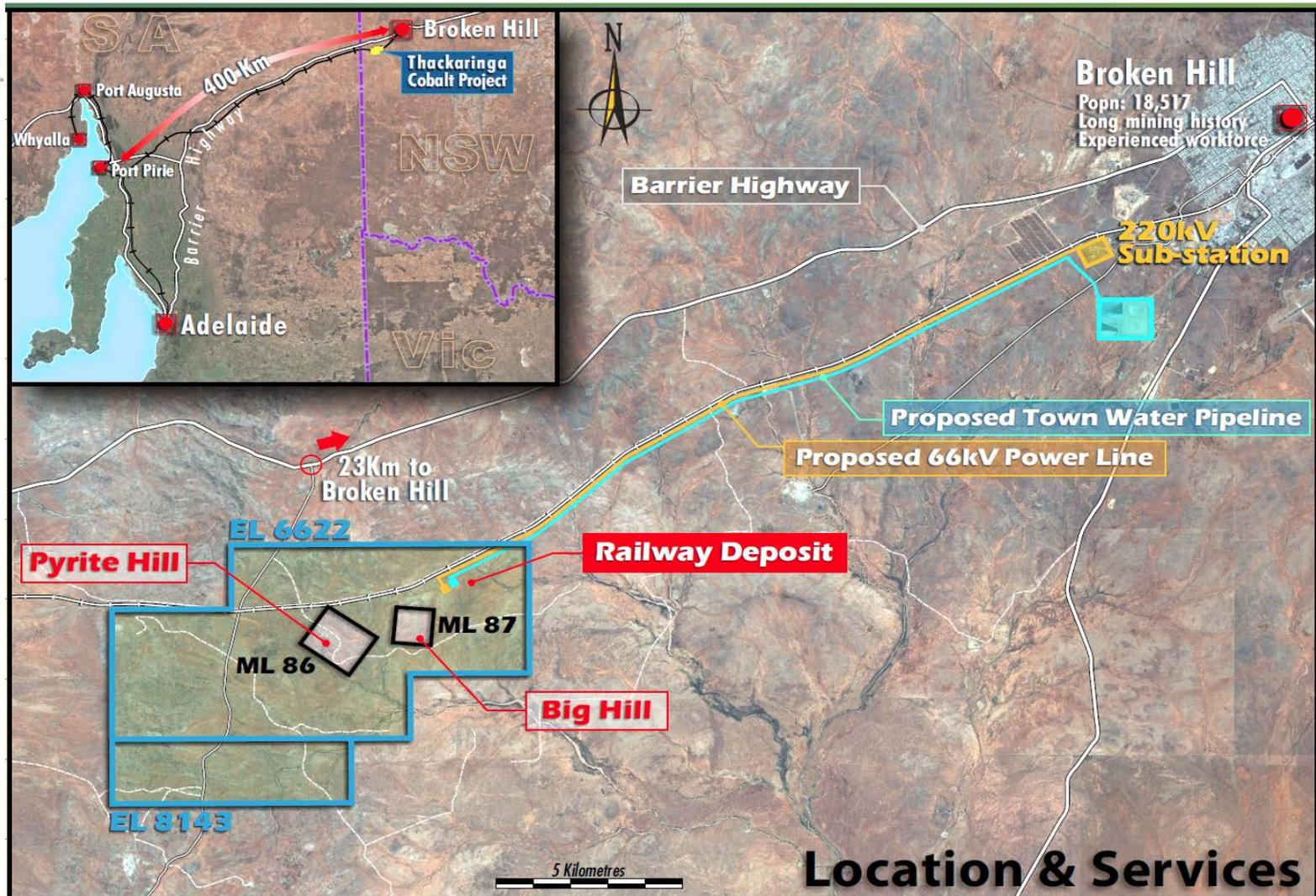
**OUR SCHEDULE OF WORK IS AS FOLLOWS:**



Source: Cobalt Blue Holdings Ltd



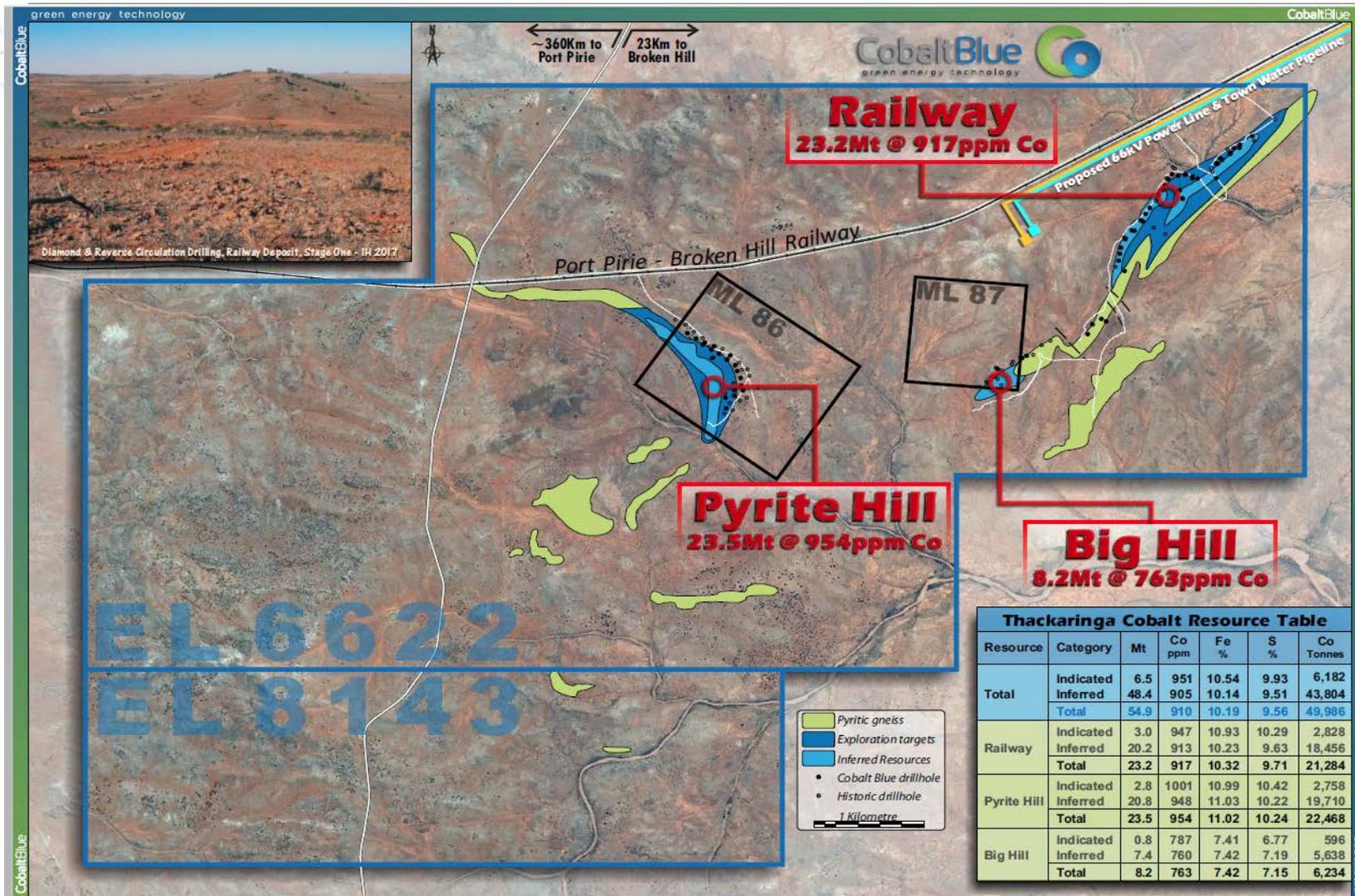
# Thackaringa – World Class Logistics



Source: Cobalt Blue Holdings Ltd

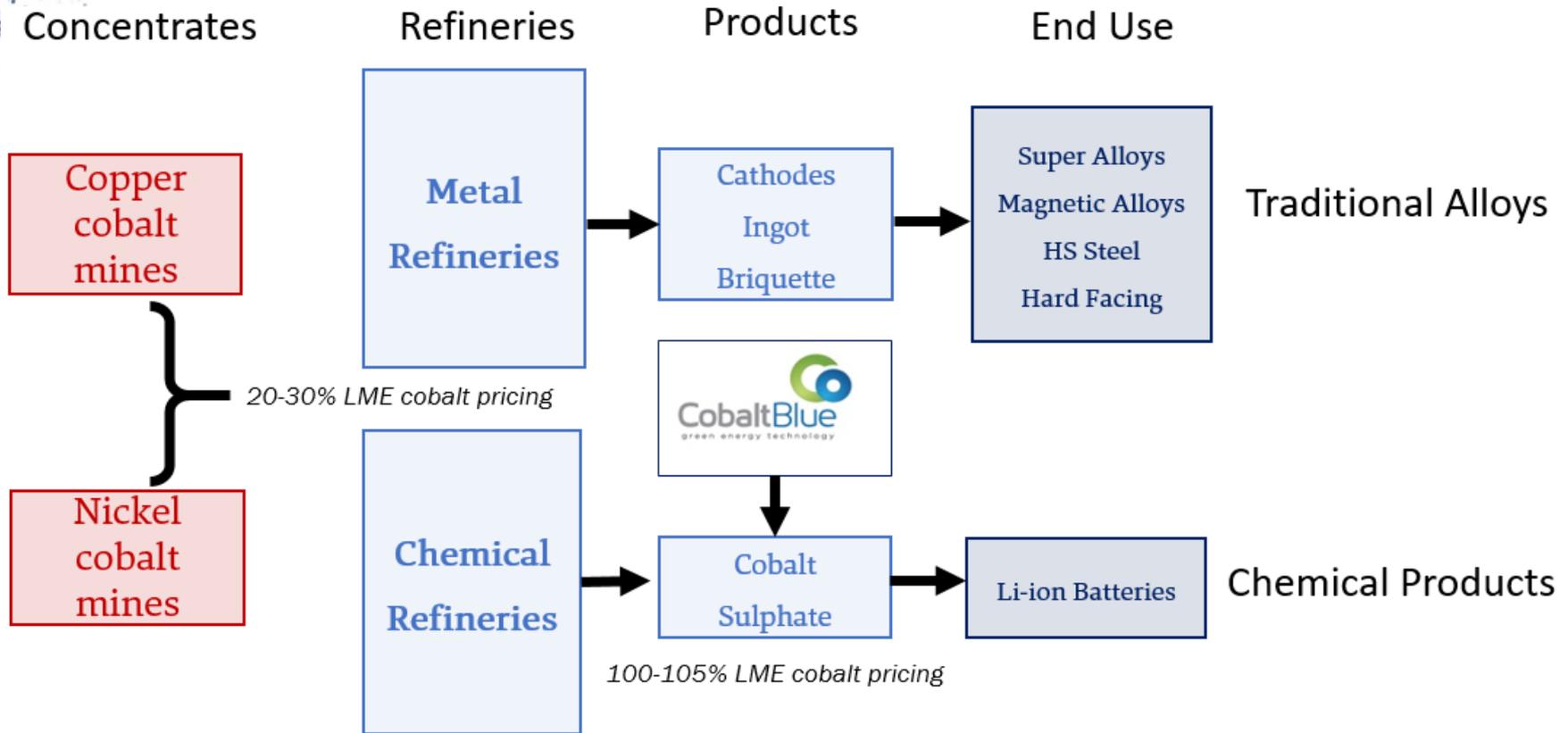


# Thackaringa – World Class Logistics II



Source: Cobalt Blue Holdings Ltd

# COB Focus - Li-ion Battery Supply Chain



Source: Cobalt Blue Holdings Ltd

# The Cobalt Blue Management Team

“Extensive expertise in mineral exploration and mine development, investment management, corporate law and energy storage.”



## Independent Chairman – Robert Biancardi

- IBM, Citibank, Westpac and Evolution Healthcare senior management and Director
- Numerous directorships of private companies including Rockridge Private Equity, Hutchisons Child Care (successful ASX listing)
- Board Member of the Heart Foundation of Australia, Diabetes Association and the “Bread & Butter” Project

## Chief Executive Officer – Joe Kaderavek

- Deutsche Bank, Head of Resources, equities / investment management, resources and energy storage technology focus
- PricewaterhouseCoopers performing operational reviews and strategic assessments across mining, minerals processing, railway and port facilities throughout Australia, North America and Europe; worked extensively on secondment to BHPB and Rio Tinto
- International consulting role focused on renewable energy / battery storage technologies

## Director – Anthony “Trangie” Johnston

- Geologist with 20 years experience in exploration, project development and mining activities
- Career spans the private, public, consulting and government sectors, with experience both throughout Australia and internationally
- CEO of Broken Hill Prospecting, a diversified minerals sands developer

## Independent Director – Hugh Keller

- Corporate Lawyer/Partner - Blake Dawson (now Ashurst) and its predecessor firms for 35 years until retirement from full time legal practice in 2010.
- Former Non-Executive Director of ASX listed Thakral Holdings Ltd and of LJ Hooker Ltd and in both companies was a member of the Audit Committee; former Chairman of a large private investment company with over \$150m of net assets.

## Independent Director – Matt Hill

- CEO ASX/NZX New Talisman Gold Mines Limited responsible for bringing NZ’s highest grade underground gold mine into development.
- Corporate advisor with over 20 years experience in Venture Capital/Private Equity, specialising in resource companies and capital markets.



# Cobalt Blue – fit for purpose vehicle

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- ✓ Tight Register (95 m shares) + \$6.6m cash
- ✓ Pure cobalt metal focus – no nickel, copper, gold - Strongest leverage to cobalt amongst listed companies
- ✓ Sustainable, green cobalt – Australian based operations, large and clean orebody

## Share Catalysts:

- ✓ 11 months – Tighter Resource Definition + Prelim Feasibility Study = introduce Thackaringa as a world class asset
- ✓ 23 months – Bankable Feasibility Study + stakeholder permits in place = decision to mine

**COBALT BLUE ASPIRES TO BE A TOP 10 GLOBAL MINER**

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## COMPETENT PERSONS STATEMENT

The information in this report that relates to exploration results, Mineral Resources and Targets is based on information compiled by Mr Anthony Johnston, BSc (Hons), who is a Member of the Australian Institute of Mining and Metallurgy and who is a non-executive director of Cobalt Blue Holdings Limited, the Chief Executive Officer of Broken Hill Prospecting Limited and the Technical Manager of the Joint Venture. Mr Johnston has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 & 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Johnston consents to the inclusion in the announcement of the matters based on his information in the form and context that the information appears