



Cobalt Blue – Chairman’s Address to AGM 2018

Good morning, I would like to welcome all COB shareholders and guests to our 2018 AGM.

The last 12 months has been a significant period of development for the business and we have taken important steps progressing the Thackaringa Cobalt Project.

Cobalt Blue delivered a Scoping Study in mid-2017. The study outlined several potential processing pathways, including roasting, pressure oxidation leaching and pyrolysis, of which pyrolysis presented the most desirable commercial and economic outcome.

In July 2017 we welcomed a new director to our Board, Matt Hill, an experienced investment and mining professional who has added considerably to the board’s capabilities. In June 2018, Trangie Johnston resigned from the Board and we thank him for his dedication and service to Cobalt Blue.

Field work over FY18 was extensive – with 12,500 metres of total drilling on site – representing the largest single campaign in Thackaringa’s history. This resulted in a significant upgrade for the project – a 31% increase in resource (to 72 million tonnes total) of which 72% was brought into the Indicated Resource Category.

In addition to the drilling work, we also commissioned a major heliborne geophysical survey designed to locate pyrite style anomalies. This work identified multiple large exploration targets which are currently the subject of further examination.

Cobalt in pyrite is a common mineralisation within the Broken Hill district and we were pleased to sign a cooperation MOU with Havilah Resources to better understand the potential fit of our processing technology with their Mutooroo ore. Results to date have been very positive.

From mid FY18 we announced a series of metallurgical processing breakthroughs. Firstly, our technical team achieved a 92% cobalt recovery from a simple crush and gravity circuit. This was a tremendous achievement as only 20% of mined ore would need to be processed further. In other words, the refinery was only 1/5 of the size of the Thackaringa mine. Secondly, the team was able to recover 96% of the cobalt from this concentrate into a battery ready cobalt sulphate. This demonstrated our ability to take Thackaringa ore and produce a high value product.

Today, the rapidly evolving battery market demands cobalt as a key pre cursor ingredient. Parallel to these developments, battery makers are “thrifting” cobalt, in other words using less cobalt to make each battery. This transition, however, requires a higher-grade cobalt product, which remains a key focus for our business.

Commercially, our relationships now span the key cobalt refining countries of China, Japan and Korea which have been optimising the processing of cobalt for in excess of 50 years. We were delighted to introduce LG International as a cornerstone commercial partner via our First Mover Program. LGI has provided us with financial assistance and, looking forward, will assist technically in making the right specification of cobalt sulphate. We look forward to advancing this relationship.

We are also examining processing alternatives that enable the production of elemental sulphur. This would displace costly imports when used as a feedstock for fertiliser. Cobalt Blue aims to produce sulphur, with direct sales into the domestic Australian market, which currently imports more than one million tonnes per annum.

In late June 2018 COB delivered a Pre-Feasibility Study that outlined the world class characteristics of the Thackaringa Cobalt Project. As a result, COB achieved a 70% Joint Venture equity stake in the project.

I would also like to take this opportunity to thank the Cobalt Blue management team and my fellow directors for their hard work and commitment during this year.

Australia remains well endowed with cobalt resources but produces only 6% of global supply. There is little doubt that we have plenty of potential, particularly considering our stable jurisdiction and ethical credentials. Cobalt Blue looks forward to closing this cobalt gap.

Robert Biancardi

Chairman

AGM 2018

Investor Presentation

COB : ASX



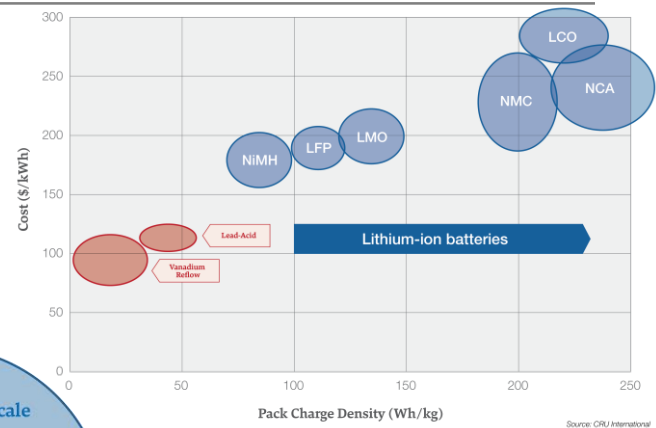


Cobalt Blue – 2018 Achievements

1. **Substantial Mineral Resource Upgrade:** 12,500m drilling campaign completed. Delivered (+31%) 72Mt Total Resource @ 852ppm Co containing 61,500t cobalt.
2. **Process Breakthroughs:** Profound test work results, including (a) 92% cobalt recovery via simple 1mm crush/gravity separation/float circuit and (2) 96% cobalt recovery from concentrate to battery ready cobalt sulphate.
3. **District Cooperation:** Test work on Havilah Resources (Mutooroo Deposit) ore. Potential to unlock cobalt district in Broken Hill.
4. **Major Commercial Partner (LGI):** Partnership with world class investment house and battery producer. LGI to provide capital and technical assistance.
5. **Pre Feasibility Study:** Strong technical baseline showcasing the world class Thackaringa Cobalt Project. Optimisation programs subsequently announced.

Li ion & Cobalt Cathodes – Strong EV Credentials

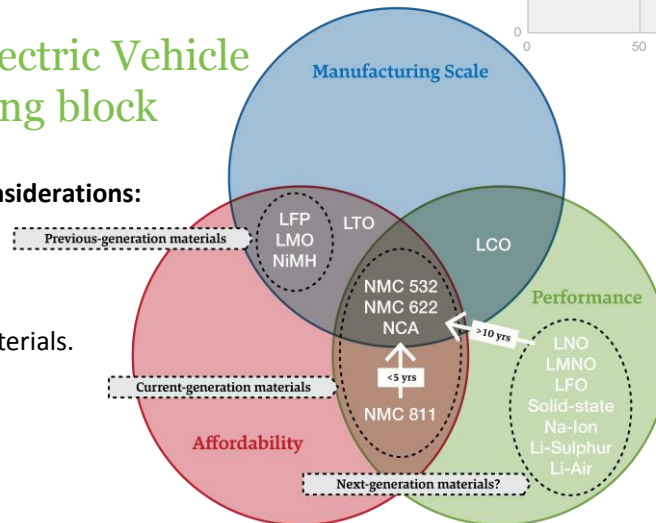
- **NMC/NCA:** EV nickel-cobalt battery chemistries.
- **LFP/LMO:** Cheaper battery chemistries.
- **Nickel-Metal Hydride:** Phased out of EV sector.
- **Lead-Acid/Vanadium:** Energy storage applications.



Cobalt = Electric Vehicle building block

Other important considerations:

- Safety.
- Cycle lifespan.
- Availability of materials.
- Partnerships.

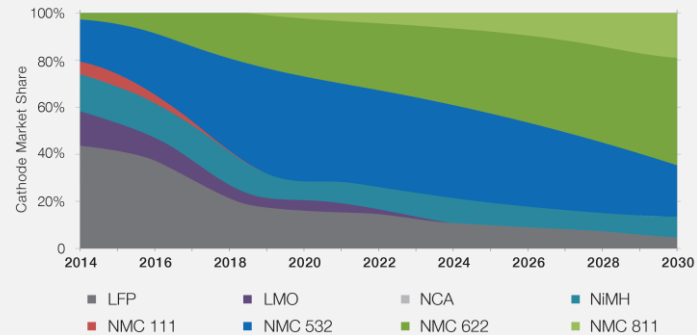


NMC = Nickel Manganese Cobalt
NCA = Nickel Cobalt Aluminium Oxide

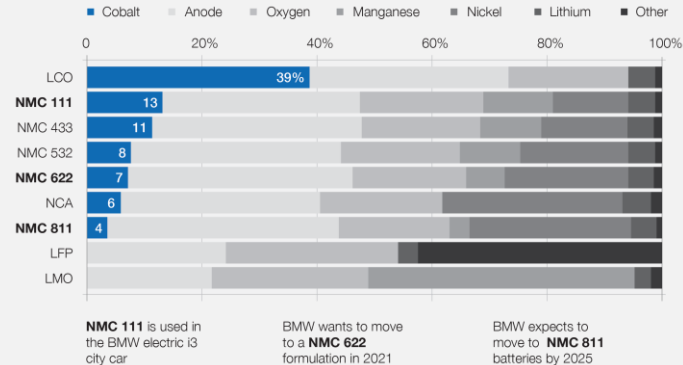
Source: CRU International

Battery Cathode - Adoption

NMC 532/622
- dominant
chemistry



Cobalt proportion
in various battery
chemistries:

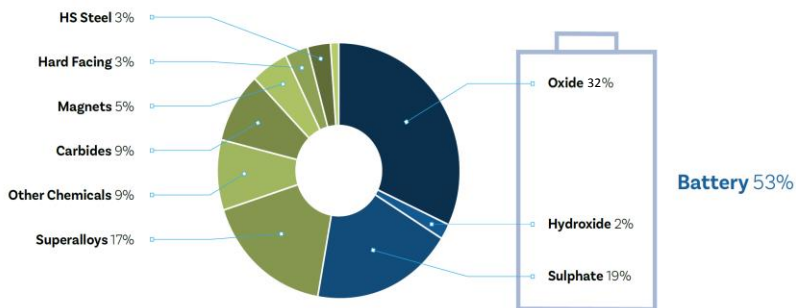


Source: Cobalt Blue Holdings Ltd

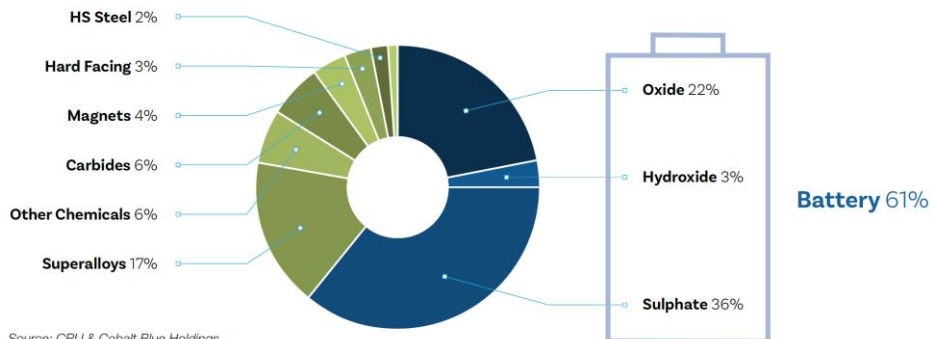
Cobalt Demand +70% next decade

.....driven by >300% Cobalt Sulphate

Cobalt Demand 2017 – Actual

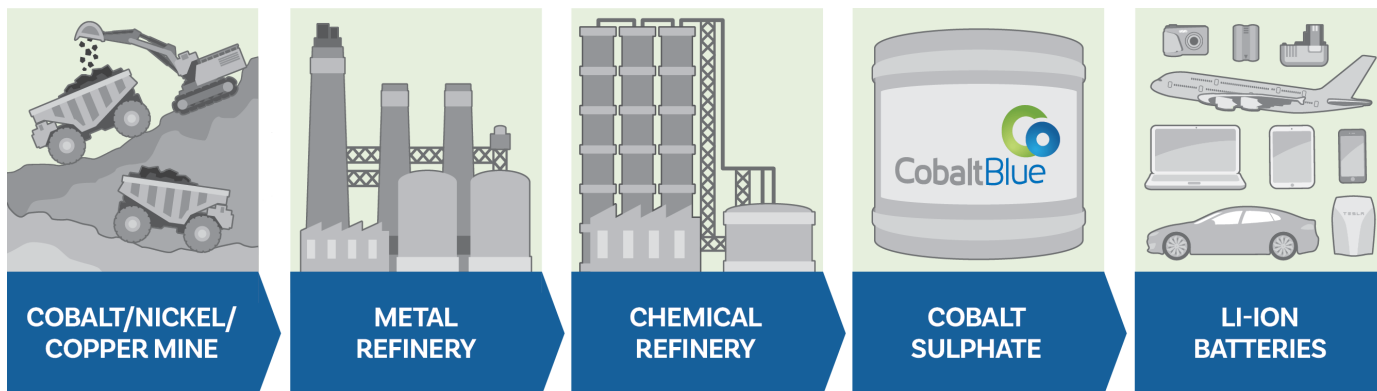


Cobalt Demand 2026 – Forecast



Source: CRU & Cobalt Blue Holdings

Thackaringa – Mine to Battery Strategy



Co ~25-35% payable
Traditional Cobalt Model

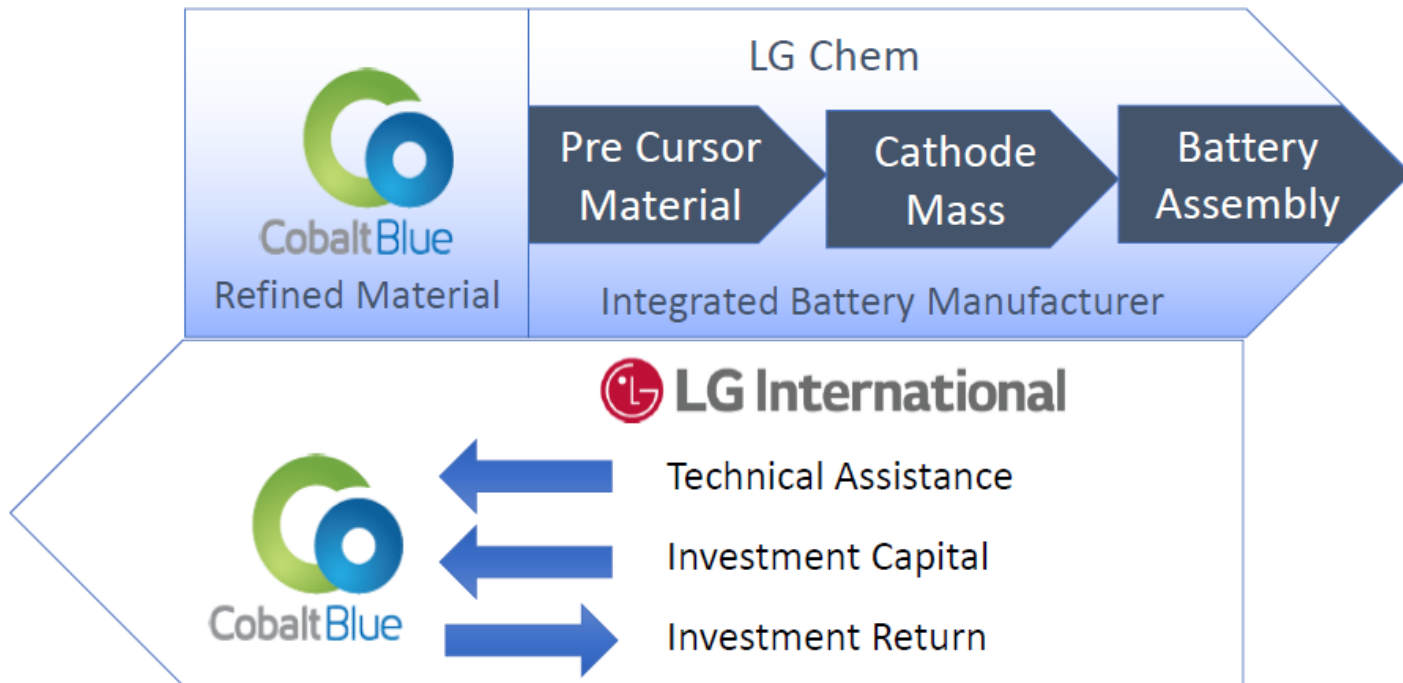


Co ~105% payable
COB Model

Source: Cobalt Blue Holdings Ltd

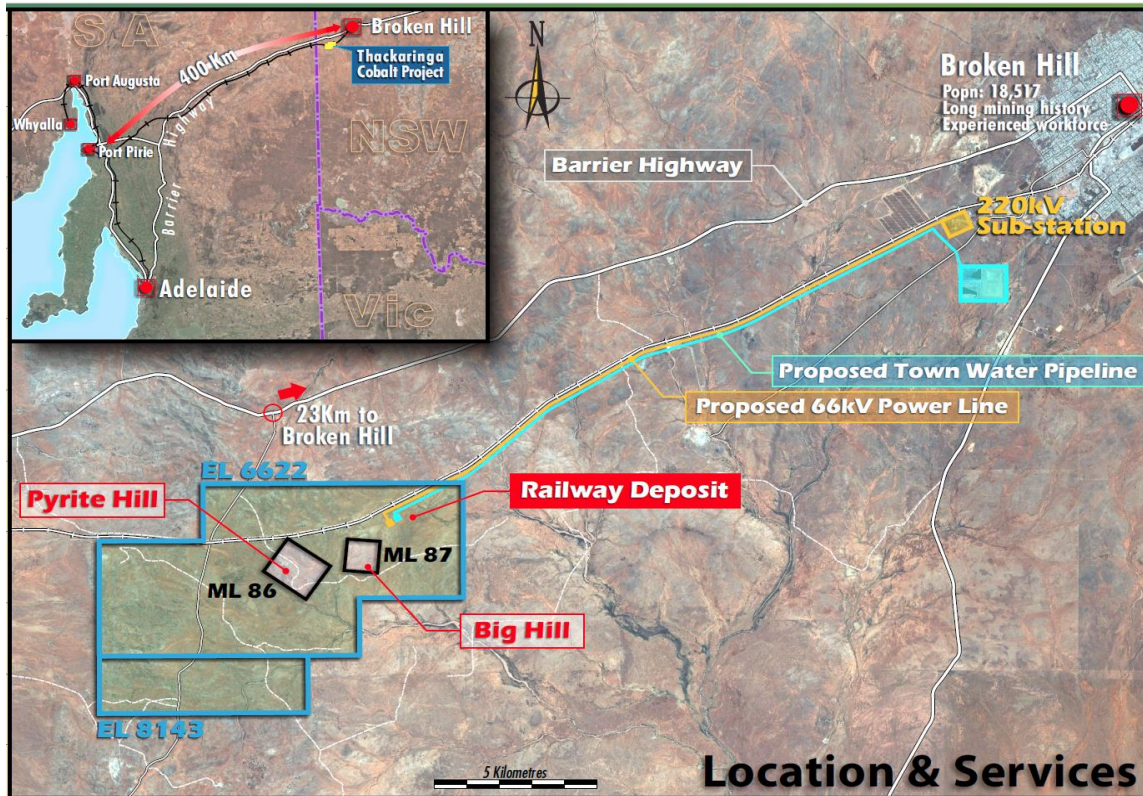
LGI & COB - First Mover Strategy

Strategic Partnership



Source: Cobalt Blue Holdings Ltd

Thackaringa – People, Power, Water, Road, Rail



Source: Cobalt Blue Holdings Ltd

Thackaringa – Significant Defined Resources

Category	Mt	Co ppm	Fe %	S %	Pyrite % ¹	Contained Co (t)	Py Mt	Density
Railway (at a 500ppm Co cut-off)								
Indicated	23	854	10.1	9.2	17	19,400	4	2.85
Inferred	14	801	10.4	9.2	17	11,100	2	2.85
Total	37	842	10.2	9.2	17	30,800	6	2.85
Big Hill (at a 500ppm Co cut-off)								
Indicated	7	712	7.2	6.9	13	5,200	1	2.77
Inferred	2	658	6.7	6.3	12	1,500	0	2.76
Total	10	697	7.1	6.7	13	6,700	1	2.77
Pyrite Hill (at a 500ppm Co cut-off)								
Indicated	22	937	10.9	10.3	19	20,300	4	2.87
Inferred	4	920	11.2	10.8	20	4,000	1	2.89
Total	26	934	10.9	10.3	19	24,200	5	2.88
Total (at a 500ppm Co cut-off)								
Indicated	52	869	10.0	9.3	17	44,900	9	2.85
Inferred	20	810	10.1	9.2	17	16,600	4	2.85
Total	72	852	10.0	9.3	17	61,500	13	2.85

Refer Note on Slide 10

Source: Cobalt Blue Holdings Ltd

COB – Reserve & Production Targets

Thackaringa Cobalt Project – Ore Reserve Tonnage and Grade

(Note: Minor rounding errors may have occurred in the compilation of this table)

	Tonnes (Mt)	Co (ppm)	S (%)
Proved	–	–	–
Probable	46.3	819	8.83
Total Tonnes	46.3	819	8.83

Source: Mining One

Thackaringa Cobalt Project – Upside Production Target

Tonnes (Mt)	Co (ppm)	S (%)
58.7	802	8.7

Source: Mining One

Note: These estimates of mineral resources were first announced by Cobalt Blue Holdings Limited (COB) in Thackaringa – Significant Mineral Resource upgrade – 19 March 2018. The ore reserve estimates were first announced by COB in Thackaringa Cobalt Project Pre-Feasibility Study – 4 July 2018. The Company confirms that it is not aware of any new information or data that materially affects the information included in these announcements, and all material assumptions and technical parameters underpinning the estimates in these announcements continue to apply and have not materially changed.

COB – PFS Economics

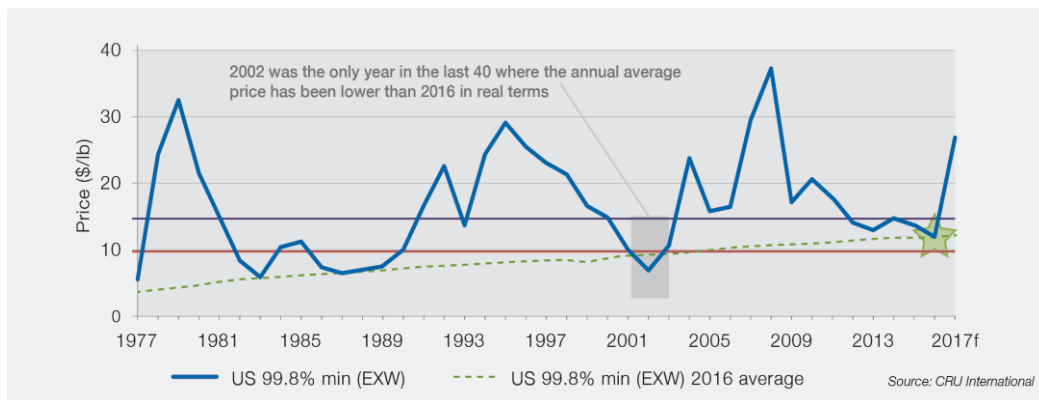
Summary of Product Target Financial Model

Throughput, CAPEX, Costs	Input	Comments
Plant Capex (±25%)	A\$550m	Incl A\$66m in contingency, excl \$23m pre-strip
Plant throughput	5.25 Mtpa	Following commissioning period
Cobalt production (metal in sulphate)	3,558 tpa	Average over first 10 years post ramp-up
Cobalt production (metal in sulphate)	40,331 tonnes	LOM Total
C1 Cash Cost (incl sulphur credit)	US\$12.80/lb	Average based on Production Target
Initial mine life (Production Target)	12.8 years	Production Target 58.7mt @ 802ppm cobalt
Macro Assumptions	Input	Comments
A\$/US\$ Exchange Rate	Fwd curve	2018 \$0.75, 2019 \$0.73, 2020 \$0.71, 2021 \$0.71 then \$0.70 onwards
Avg LOM Cobalt Sulphate Price	US\$33.80/lb	Independent expert – CRU International
Avg LOM Sulphur Price (landed in Aus)	US\$145/t	Independent expert – CRU International
Financial Metrics	Input	Comments
Pre Tax NPV (8%)	A\$792m	Based on Production Target
Pre Tax IRR (%)	27.0%	
Post Tax (7.5%)	A\$544m	
Post Tax IRR (%)	22.0%	
Project Payback (simple)	4 years	

Note: These estimates were first announced by COB in Thackaringa Cobalt Project Pre-Feasibility Study – 4 July 2018.

Source: Cobalt Blue

Thackaringa – Resilient Economics



Thackaringa – Outstanding Capital Efficiency

New global projects running at 3 to 4x COB capital intensity

Project	US\$ Capex	Cobalt (tpa)	By-products	Cobalt (% revenue)	Cobalt Payable (% LME)	Mine Life (years)	Capital Intensity (US\$/t Co)
Thackaringa Cobalt (Aust)	413	3,600	Sulphur	80%	100%	Target >20	114,583
eCobalt (US)	210	1,000	Cu/Au		100%	13	210,000
Kabanga (Tanzania)	750	2,400	Ni				312,500
Kalgoorlie Nickel Project (Aust)	560	1,450	Nickel			> 20	385,862
Sunrise (Syerston) (Aust)	1,400	3,200	Ni/Sc		100%	> 20	437,500
Wellgreen Central (Canada)	450	1,000	Ni/Cu		?	20	450,000
Dumont (Canada)	1,030	2,000	Ni/Pt		35%	20	515,000
NICO (Canada)	589	500	Bi/Au		100%	> 20	1,178,000
NiWest (Aust)	725	1,400	Nickel			> 20	517,857

Source: Coy data, Cobalt Blue Holdings Ltd



COB – Improved Economics - 12 Month Catalysts

Four key optimisation opportunities:

- ❑ **Process plant tailings handling and storage:** LOM management of tailings (Capex + Opex).
- ❑ **Metal recoveries:** Design criteria used during the PFS was based on batch testwork. Larger scale testing will be conducted during the BFS targeting increased metal recoveries.
- ❑ **Power pricing:** Power represents 22% of site cash costs. Focus upon energy storage (batteries), process plant operating philosophies, frequency & grid stability options.
- ❑ **Mine life:** Extend project life by treating ore from inferred inventories from known resources and from other sources beyond Thackaringa.

The Cobalt Blue Team

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



More Information
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ASX Code

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COB

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

Independent Director – Hugh Keller

- Retired as Managing Partner Blake Dawson (now Ashurst) after 35 years in full time legal practice.
- 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; 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.



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COMPETENT PERSONS STATEMENT

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources and Ore Reserves is based on information compiled by Mr Peter Buckley, a Competent Person who is a Member of The Australian Institute of Geoscientists (MAIG). Mr Buckley is employed by (Left Field Geoscience Services) and engaged by Cobalt Blue Holdings on a consulting basis. Mr Buckley has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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 Buckley consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The revised Mineral Resource was independently prepared by SRK Consulting using a Co-Kriging ('CK') method of estimation, suitable for the style of mineralisation. Mr Danny Kentwell, Principal Consultant (Resource Evaluation) at SRK Consulting, was engaged to estimate the Mineral Resource as the independent Competent Person. The Mineral Resource has been estimated and reported in accordance with the guidelines of the 2012 edition of the Australasian Code for the Reporting of Exploration Results, Minerals Resources and Ore Reserves ('2012 JORC Code').

The information in this report that relates to Metallurgical Testwork Results or Engineering Design Studies is based on, and fairly represents, information and supporting documentation prepared by Dr Andrew Tong, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Dr Andrew Tong is engaged by Cobalt Blue Holdings as Executive Manager. Dr Andrew Tong has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'. Dr Andrew Tong consents to the inclusion in the report of the matters based on his information in the form and context in which they appear.