

Cobalt Blue Holdings Limited ABN 90 614 466 607

Level 17, 100 Miller Street, North Sydney, NSW 2060

www.cobaltblueholdings.com

Facebook: www.facebook.com/Cobalt.Blue.Energy/ Linkedin: www.linkedin.com/company/cobalt-blue-holdings

4 April 2024

Company Announcements Office Australian Securities Exchange 20 Bridge Street Sydney NSW 2000

INVESTOR WEBINAR PRESENTATION

Further to the company's announcement on 28 March 2024, please see the attached investor webinar presentation. Details of the webinar are set out below.

Date: Thursday, 4 April 2024

Time: 1.30 pm AEDT (Sydney, Melbourne, Canberra)

Format: Presentation update followed by Q&A

Duration: 20 minutes

Please register in advance for this free webinar: https://us06web.zoom.us/webinar/register/WN Pl28lpxdQgOAONIEktMONg

After registering, you will receive a confirmation email containing information about joining the webinar.

For enquiries, please email joel.crane@cobaltblueholdings.com

Questions may be submitted ahead of time at registration or during the event using the webinar software.

This announcement has been authorised for release by the Company's board of directors.

Joe Kaderavek Chief Executive Officer (02) 8287 0660

COB – Regeneration MOU

Webinar

Dr Helen Degeling

4 April 2024



Cobalt Blue: metals for positive impact

Our 'mine-to-battery-markets' strategy aims to provide a reliable supply of responsibly sourced battery metals that are essential to the Global Energy Transition.





Introducing Regeneration 🗱

Regeneration is a mine restoration and closure company

- Aims to restore and renew biological and ecological systems... through full value mining and other innovative methods
- Producing responsible minerals for the energy transition, green tech and sustainable brands
- Launched in 2021 with \$2million US investment by Rio Tinto; Apple and Mejuri are founding partners and funders
- Several sites already under assessment with other partners; previous success with Salmon GoldTM
- Public benefit corporation (B-Corp), with RESOLVE (NGO) as parent organisation

"Brands, consumers, and investors are seeking biodiversity, community, and climate positive minerals."

– www.regeneration.enterprises





An MOU for collaboration



Seek to partner on legacy sites where Cobalt Blue's patented technology and expertise can be applied



Work with each other and legacy site partners to achieve the aim of ethical metal production paired with positive environmental and social outcomes



Share networks, knowledge and expertise to further the collaboration

NEXT STEPS



Kick-off meetings underway to establish a short-list of potential projects under the collaboration

Regeneration in Australia:



Nicolau Barros

Senior Director, Engineering and Site Solutions

nbarros@regeneration.enterprises +61 467 814 546

Global Mine Waste Opportunity

Globally

- 10-13 billion tonnes mine waste is produced annually around the world, adding to an estimated 200 billion tonnes of waste already produced¹.
- Companies avoid rehab due to the huge cost.

Australia

- >10,000 active and inactive sites, with 240 mines expected to close by 2040².
- Cost of mine closure predicted to reach \$8 billion in 2030².

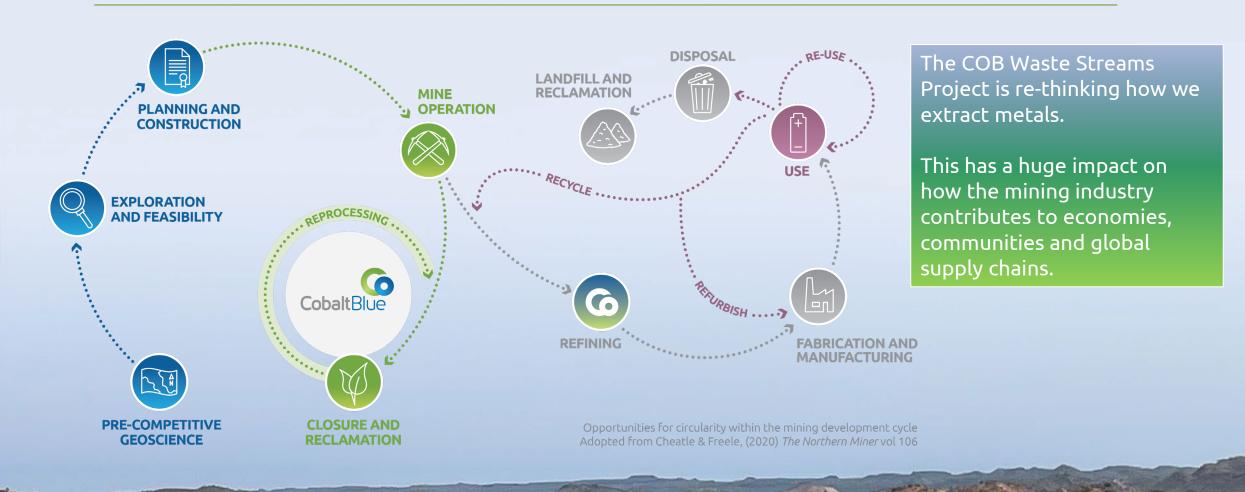
North America

- >114,000 active and inactive mine sites³.
- 1. Valenta et al 2023 and Franks et al 2021
- 2. CSIRO (2023) Enabling mine closure and transitions: Opportunities for Australian industry. Prepared for CRC TiME. CSIRO, Australia
- 3. https://mrdata.usgs.gov/usmin/map-us.html#home https://spatialsk.maps.arcgis.com/apps/dashboards/780a4bc0aa524cc38e10a4699bc3511e

"~10 billion tonnes of tailings produced worldwide in 2018."

 International Council on Mining and Metals, Roadmap for Tailings Reduction, 2022

Bringing circularity to a linear industry



The Case for Tailings Re-Processing

The problem

The opportunity

Our know-how

Creating value

Traditionally, mine waste such as tailings is considered a liability. Employing circular economy principles redefines the liability into a valuable asset which can be recycled, repurposed or reprocessed and reduced.

Re-processing sulphide mine waste allows discarded metals to be recovered, leading to ethically sourced metal and sulphur products whilst reducing the potential for environmental harm. In addition, international legislation such as the IRA and CRMA mandate domestic production of a variety of critical minerals, many of which can be found in the mine waste of traditional operations, making this an ideal source of much needed material for the energy transition

Our extensive experience and proven ability to think outside the box ensures we can create value from waste through bespoke solutions, whilst optimizing for positive environmental outcomes. Concepts of value are evolving from traditional economic philosophies, to include the importance of the natural environment. We can extract metal whilst also de-sulfidising the remaining material, leading to restoration of habitats and waterways and reducing environmental liabilities.











Acid Reduction

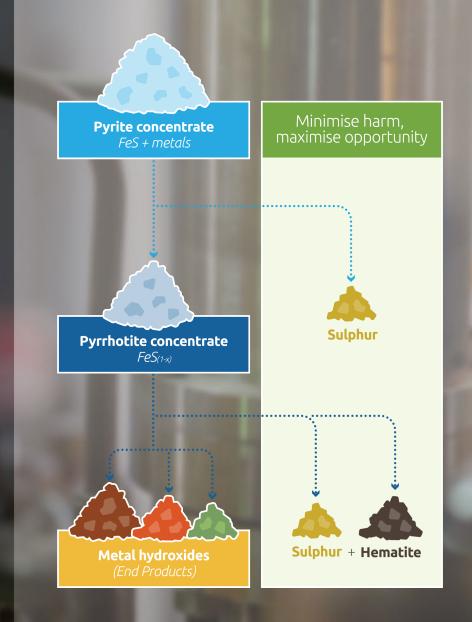
Cobalt Blue's patented process mitigates potential environmental harm and produces saleable elemental sulphur

A key step in the Cobalt Blue process is to convert pyrite (FeS) to the mineral pyrrhotite (FeS $_{(1-x)}$).

Pyrrhotite contains less sulphur than pyrite, and the rejected sulphur is captured as a gas and cooled to crystallise as elemental sulphur.

A second sulphur extraction step is achieved during leaching, during which the pyrrhotite molecules are oxidized to make hematite (Fe₂O₃). This process liberates sulphur, as well as any other metals (such as Co, Ni, Co, Ag and others) that may be contained in the pyrrhotite lattice.

By capturing the sulphur at each stage, any additional waste therefore has a much lower ability to form sulphuric acid; the main culprit in acid mine drainage.





Environmental and commercial gains



March 2024

What is an environmental bond?

An environmental bond is a deposit to a government to cover potential damage from mining activities. Bonds vary by location and by project size and pollution risk.

Re-mining can reduce bond costs by lowering project size and risk, freeing up funds for rehabilitation and commercialisation of mine waste.

NSW Environmental Bonds

Using the NSW Rehabilitation Cost Estimation Tool⁴, Re-mining tailings to remove sulphides could reduce an environmental bond from >AUD\$800k/ha to AUD\$82k/ha (excl. water management & waste water treatment costs)

- 1. https://nt.gov.au/industry/mining/decisions/securities-held
- 2. https://s3.treasury.qld.gov.au/files/Financial-Provisioning-Scheme-2022-23-Annual-Report.pdf
- https://www.resourcesregulator.nsw.gov.au/sites/default/files/2022-11/fact-sheet-exploration-and-miningrehabilitation.pdf
- 4. Downloaded from https://www.resourcesregulator.nsw.gov.au/rehabilitation/rehabilitation-security-deposits
- Calculated from the Register of Rehabilitation Bonds https://resources.vic.gov.au/ community-and-land-use/rehabilitation
- 6. https://www.energymining.sa.gov.au/industry/minerals-and-mining/mining/regulating-mining-activity/Mineral-resources-regulation-report/mine-rehabilitation-and-closure
- https://www.dmp.wa.gov.au/Documents/Petroleum/MRF22-23-Yearly-Report.pdf



ASX: COB

(or state equivalent)

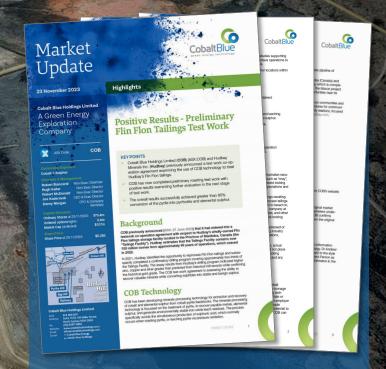
Case Study: Flin Flon tailings project



Location: Manitoba, Canada

Commodities: Zn-Cu-Ag

Status: initial testwork completed. Confirms >90% conversion of pyrite to pyrrhotite from tailings sample, with capture/removal of elemental sulphur



Estimated > 100 million tonnes¹ contained in tailings dam at Flin Flon. Tailings contains Zn, Cu, Ag and Au.

HDBAY

Cobalt Blue and Hudbay Minerals collaborating to apply Cobalt Blue's processing technology to the Flin Flon tailings facility, Manitoba.

Testwork results to date have achieved >90% conversion of pyrite to pyrrhotite + sulphur.

An overall flowsheet is now being designed for the final step of testwork.

 https://s23.q4cdn.com/405985100/files/doc_news/ 2022/HBMNR21_ExplorationUpdate_FINAL.pdf





Disclaimer

The following notice and disclaimer apply to this investor presentation (**Presentation**). You are therefore advised to read this carefully before reading or making any other use of this Presentation or any information contained in this Presentation. This Presentation is dated 4 April 2024 and has been prepared by Cobalt Blue Holdings Limited (**COB** or **Company**) (ACN 90 614 466 607).

Summary information

This Presentation is for information purposes only and is a summary only, which is current as of the date of this Presentation (unless stated otherwise). The information in this Presentation is of a general nature and does not purport to be complete, nor does it contain all information that a prospective investor may require in evaluating a possible investment in COB. This Presentation should be read in conjunction with COB's other periodic and continuous disclosure information lodged with the Australian Securities Exchange (ASX), available at www.asx.com.au. Reliance should not be placed on information or opinions contained in this Presentation and, subject only to any legal obligation to do so, COB does not have any obligation to correct or update the content of this Presentation.

Not an offer

This Presentation is not, and should not be considered as, an offer or an invitation to acquire securities in COB or any other financial products.

Not investment advice

Each recipient of the Presentation should make its own enquiries and investigations regarding all information in this Presentation, including but not limited to the assumptions, uncertainties and contingencies which may affect future operations of COB and the impact that different future outcomes might have on the Company and form their own views as to what information is relevant to such decisions and made their own investigations in relation to any additional information. This Presentation does not constitute investment or financial product advice (nor tax, accounting or legal advice). Information in this Presentation is not intended to be relied upon as advice to investors or potential investors and has been prepared without taking account of any person's individual investment objectives, financial situation or particular needs.

Forward-looking statements and forecasts

This Presentation contains certain "forward-looking statements" and comments about future matters. 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", "continue", "guidance" and other similar expressions within the meaning of securities laws of applicable jurisdictions. Forward-looking statements include but are not limited to statements about the future performance of COB and statements about COB's plans, future developments and strategy. You are cautioned not to place undue reliance on forward-looking statements. Any such statements, opinions and estimates in this Presentation speak only as of the date hereof and are based on assumptions and contingencies subject to change without notice, as are statements about market and industry trends, projections, guidance and estimates.

Forward-looking statements are provided as a general guide only. The forward-looking statements contained in this Presentation are not indications, guarantees or predictions of future performance and involve known and unknown risks and uncertainties and other factors, many of which are beyond the control of COB, and may involve significant elements of subjective judgement and assumptions as to future events which may or may not be correct. There can be no assurance that actual outcomes will not differ materially from these forward-looking statements. A number of important factors could cause actual results or performance to differ materially from the forward-looking statements. The forward-looking statements are based on information available to COB as of the date of this Presentation.

Except as required by law or regulation (including the ASX Listing Rules), COB undertakes no obligation to supplement, revise or update forward-looking statements or to publish prospective financial information in the future, regardless of whether new information, future events or results or other factors affect the information contained in this Presentation.

Disclaimer

To the maximum extent permitted by law, COB and its respective advisers, affiliates, related bodies corporate, directors, officers, partners and employees expressly exclude and disclaim all responsibility and liability, including, without limitation, for negligence or in respect of any expenses, losses, damages or costs incurred by you as a result of your reliance on this Presentation and the information in this Presentation being inaccurate or incomplete in any way for any reason, whether by way of negligence or otherwise.

6