

## Investor Presentation

European Metals Holdings Limited (ASX & AIM: EMH, OTCQX: EMHXY, ERPNF and EMHLF) ("European Metals" or the "Company") is pleased to announce that Executive Chairman, Mr Keith Coughlan, will be presenting today at the Future Facing Commodities Conference in Singapore.

The Company's updated investor presentation associated with this event is attached and is also available on the Company's website: [www.europeanmet.com](http://www.europeanmet.com)

**This announcement has been approved for release by the Chairman.**

### CONTACT

For further information on this update or the Company generally, please visit our website at [www.europeanmet.com](http://www.europeanmet.com) or see full contact details at the end of this release.

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#### DIRECTORS AND MANAGEMENT

**Keith Coughlan**  
EXECUTIVE CHAIRMAN

**Richard Pavlik**  
EXECUTIVE DIRECTOR

**Kiran Morzaria**  
NON-EXECUTIVE DIRECTOR

**Lincoln Bloomfield**  
NON-EXECUTIVE DIRECTOR

**David Koch**  
COMPANY SECRETARY

#### CORPORATE INFORMATION

ASX EMH

AIM EMH

OTCQX EMHXY, ERPNF and EMHLF

Frankfurt E861.F

CDIs/SHARES ON ISSUE 192.4M

The Cinovec  
Project

# Ethically - sourced European battery metals to power Europe's sustainable future

April 2023 – Future Facing Commodities Conference



# DISCLAIMER & CAUTIONARY STATEMENT

## DISCLAIMER

This presentation has been prepared by European Metals Limited ("European Metals" or the "Company"). It is not a disclosure document and should not be considered as an offer or invitation to subscribe for, or purchase any securities in the Company or as any 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, projections and information are not a guarantee of future performance, involve unknown risks and uncertainties. Actual results and developments will almost certainly differ materially from those expressed or implied. European Metals 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, European Metals makes no representation and can give no assurance, guarantee or warranty, express or implied, as to, and takes no responsibility and assumes 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 the Company's Cinovec Project 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 Cinovec Project's prospects. You should 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 before making any investment decision. Information in this presentation that relates to Exploration Results, Mineral Resources or Ore Reserves is based on previous announcements made by European Metals (or other relevant parties) to the ASX and AIM.

This presentation does not constitute financial product advice (nor investment, tax, accounting or legal advice) and has been prepared without taking account of any person's investment objectives, financial situation or particular needs.

All \$ amounts in this presentation are references to United States Dollars.

## COMPETENT PERSON

The Exploration information in this presentation is based on information compiled by Mr Widenbar who is a recognised geologist and consultant to European Metals. Mr. Widenbar has sufficient experience which is relevant to the 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 Widenbar consents to the inclusion in this presentation of the matters based on his information in the form and the context in which it appears

## POWERING SUSTAINABLE EUROPEAN E-MOBILITY

Integrated mine & lithium processing plant

Largest hard rock lithium resource in Europe

Simple flowsheet producing 99.99% pure lithium carbonate

### Compelling economics:

- \$US 1.94B post - tax NPV<sub>8</sub>, 36.3% post - tax IRR, \$US 5,567/t opex
- Based upon LiOH price of \$US 17,000/t
- 29,386 tpa of lithium hydroxide

### Strong partners:

- CEZ - dominant utility in Czech Republic
- EIT InnoEnergy - official European Union body

Fully funded to Final Investment Decision

Secure, sustainable supply for European market

Strong ESG credentials

**Keith Coughlan** Executive Chairman (Australia)

**Richard Pavlik** Executive Director (Czech Republic)

**Kiran Morzaria** Non - Executive Director (UK)

**Lincoln Bloomfield** Non - Executive Director (USA)

**David Koch** Company Secretary and CFO (Australia)

**Simon Edwards** Corporate Development & COO of GEOMET (UK)

**Grant Harman** Metallurgical Consultant (Australia)

**Peter Huljich** Corporate Finance (Australia)

**Michael Atkins** Corporate Consultant (Australia)

**Marc Rowley** DFS Manager (Australia)

**Walter Mädel** Operations Manager (Czech Republic)

**Vojtech Sesulka** Consulting Geologist (Czech Republic)

### 12 Month stock performance

Market Cap: 150 million (AUD) February 2023

Cash at Bank: AUD 18 million

Shares outstanding: 186 million

ASX & LON: EMH, OTCQX: ERPNF, ADS:EMHY



# EU AUTO REGULATIONS SUPPORT SIGNIFICANT EV UPTAKE



## EU spends big on climate change

€1 Trillion to be spent  
on European Green  
Deal by 2030

## Just Transition Fund

€40 billion fund to  
transition fossil fuels to  
green energy

## EU Legislation

Introduction of  
European Critical  
Raw Materials Act

## EU self sufficiency

Targeting 80% lithium  
self sufficiency by 2025

## EU CO2 targets tighten

€billions potential fines  
for non - compliant  
automakers

# JUST TRANSITION FUND CRITICAL MINERALS ACT



## Critical Raw Materials Act

“I believe that the Critical Raw Materials Act can be a game - changer, by sending a clear political and policy signal” – EU VP Maroš Šefčovič

## Just Transition Fund

Cinovec – Strategic Project  
Application for approx €49 million grant for early stage Cinovec works programmes - in particular the twin decline entry/egress for mine.  
Applications close 31<sup>st</sup> December 2023

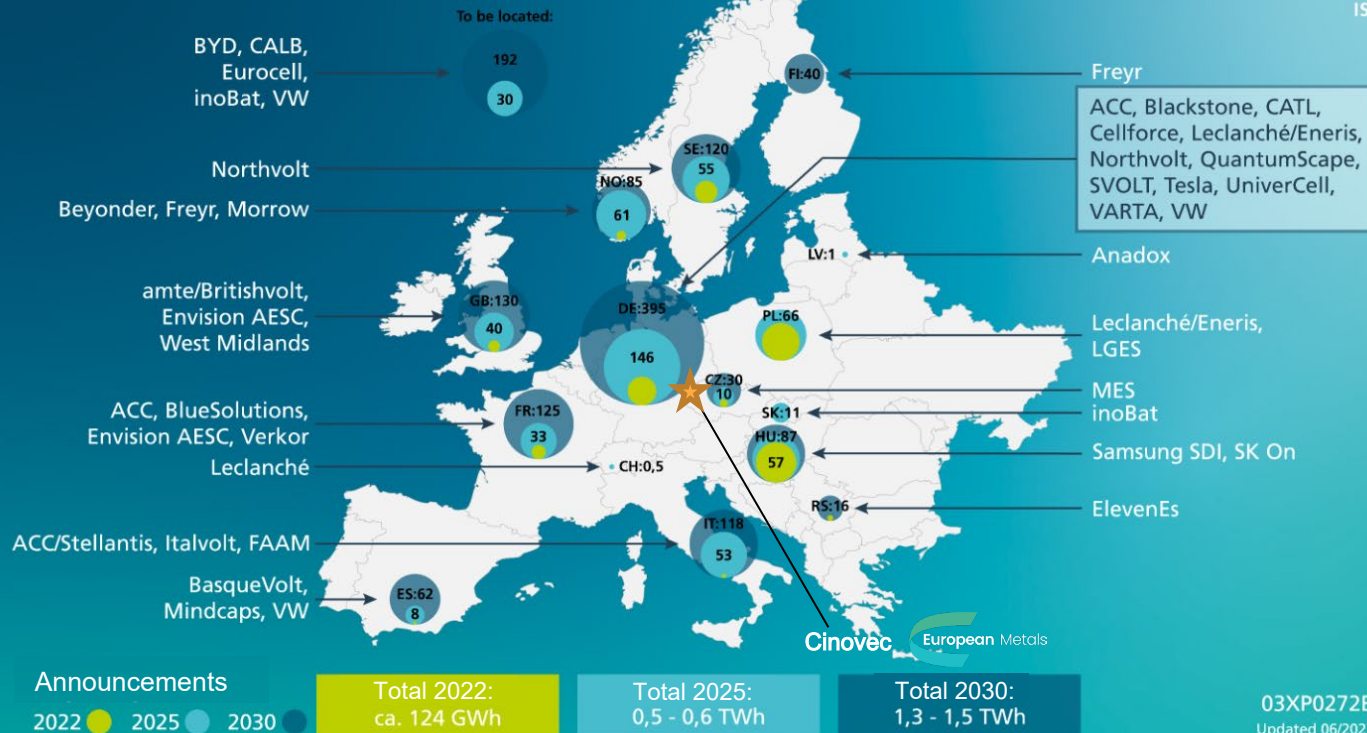
# PROXIMITY TO END USERS

Localized hydroxide close to key cathode, battery & auto makers.

Critical for EU's 80% supply security target

## Planned Battery Cell Production Capacity [GWh]

Fraunhofer ISI



03XP0272B  
Updated 06/2022

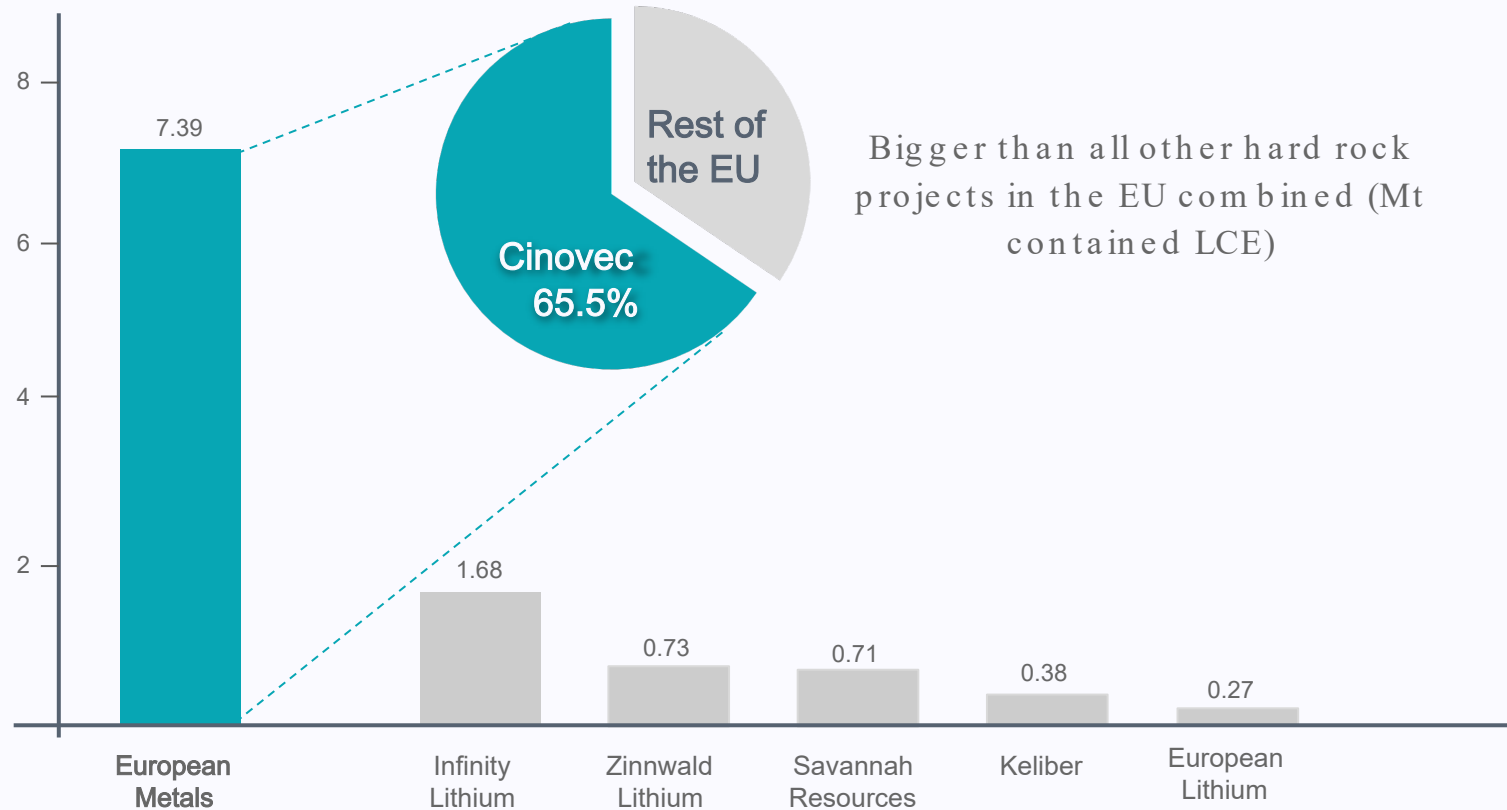


# CINOVEC – PROJECT LOCATIONS





# CINOVEC - LARGEST HARD ROCK PROJECT IN EU



# SIMPLIFIED FLOWSHEET PRODUCES 99.99% PURE LITHIUM CARBONATE

## High -grade Lithium End -Products

Testwork produced high quality lithium carbonate products, compared with the published global standard specification:

	Li <sub>2</sub> CO <sub>3</sub>	Na	K	Mg	Ca	Mn	Fe	Ni	Cu	Zn	Al	Si	Pb	SO <sub>4</sub> <sup>2-</sup>	Cl
	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
YS/T 582-2013	≥99.5	250	10	80	50	3	10	10	3	3	10	30	3	800	30
Crude LC	99.4	368	3	5	357	0	8	3.4	0.2	1.2	5.1	26	0	4860	<10
Battery-Grade LC	99.99	3	0.8	0.9	2	0.7	6.3	3.4	0.2	1.3	2.8	2.1	0.07	95	<10

## Reduced Flowsheet Process Steps

Chemical engineering unit processes reduced from 15 to 7

## Reduced Capex and Opex

The simplified process expected to reduce Capex and Opex in the LCP by 10 - 20%

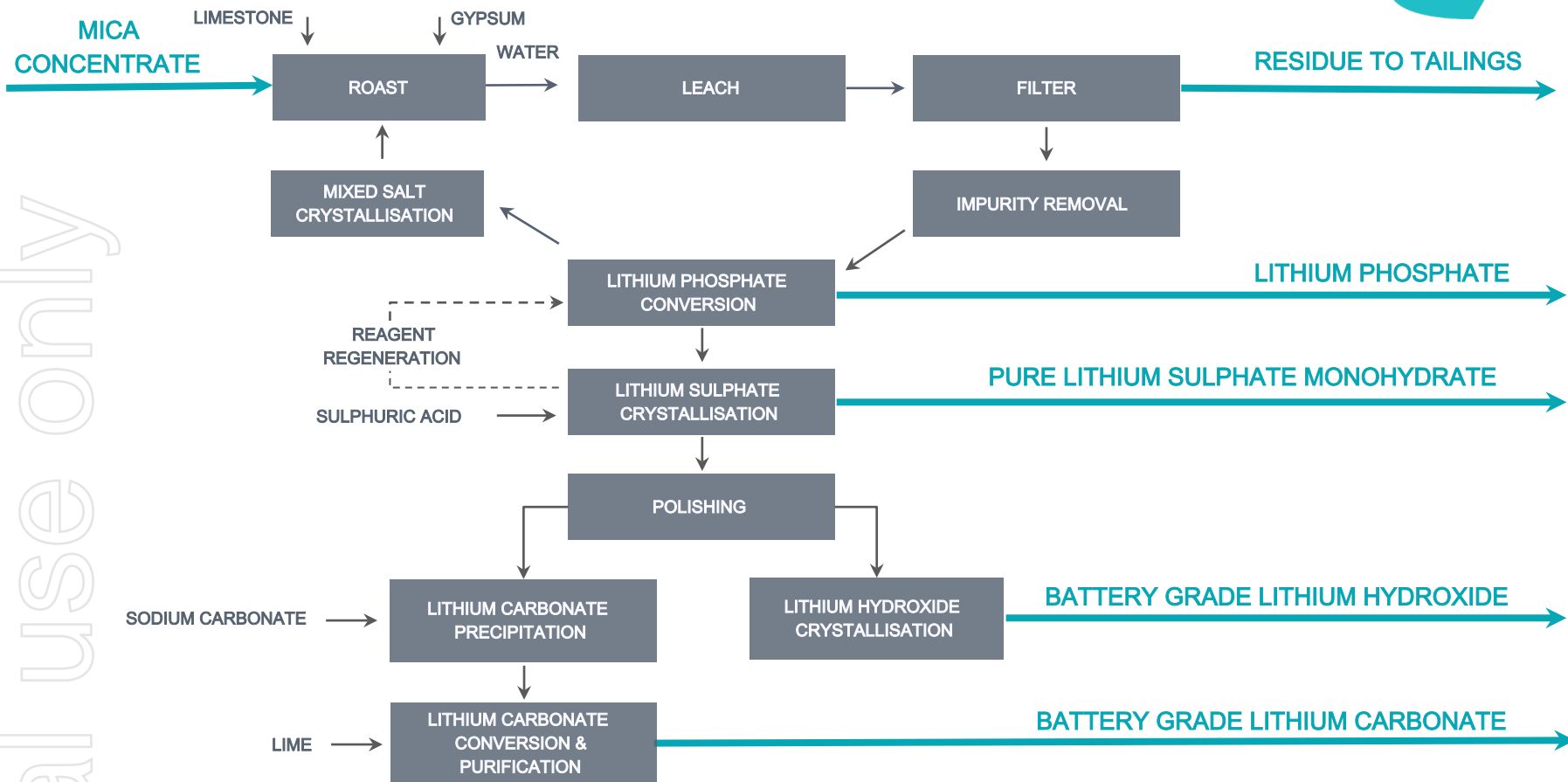
## ESG Benefits

Lower reagent use and elimination of all process cooling steps further enhances ESG profile

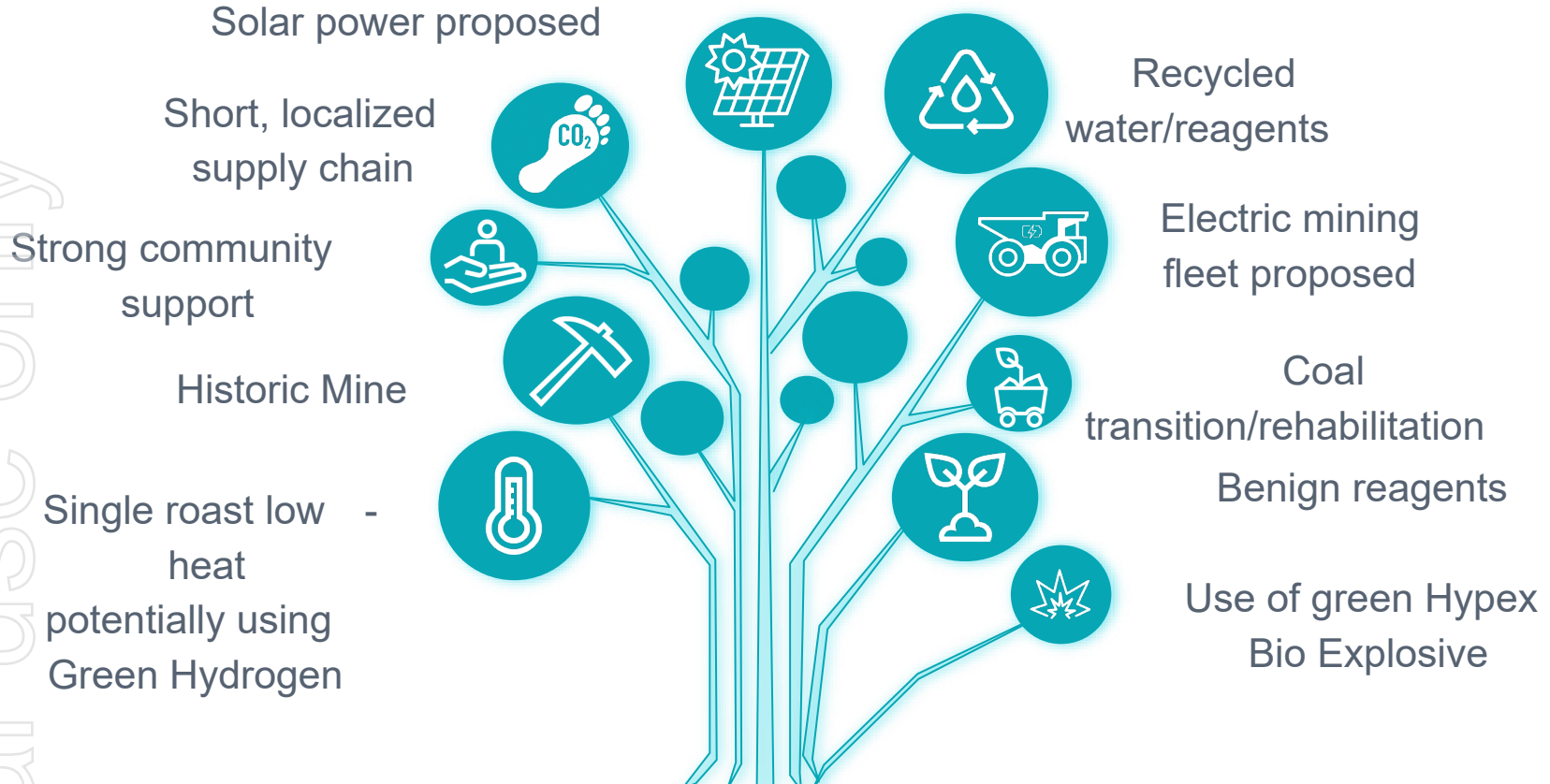
## Improved Lithium Recovery

Overall lithium recoveries improved to 88 - 93%

# SIMPLIFIED PROCESS FLOWSHEET

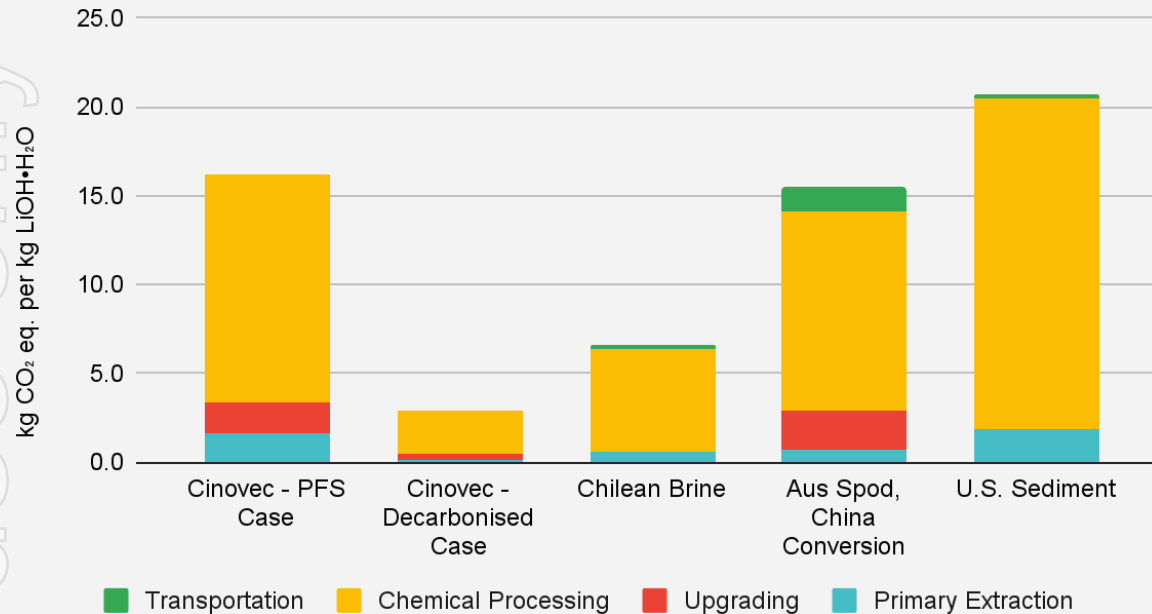


# POSITIVE ESG PROFILE



# LCA – WORLD LEADING DECARBONISED CASE

Global Warming Potential of Different Hydroxide Products



- Use of Solar Power/Green Energy
- Electric Mining Fleet
- Hypex Bio Explosive
- Use of Green Hydrogen





CEZ GROUP

- Czech national power company - mkt cap EUR17B
- Strong community and government relationships
- Invested EUR 29m at project level
- Heading consortium to build Li ion battery factory in Czech
- Significant investment in green energy solutions for Cinovec



European Institute of  
Innovation & Technology

The EIT is a body of the European Union



- Principal facilitator and organiser of European Battery Alliance
- Support provided for offtake, construction, finance and ultimate commercialisation of Cinovec
- Aim to secure raw materials and technological development for European battery industry

# PFS HIGHLIGHTS

Annual production	29,386 tpa battery grade LiOH.H <sub>2</sub> O
Total JORC resource	7.39 Mt LCE 0.64 Mt LCE measured 3.88 Mt LCE indicated 2.87 Mt LCE inferred
Construction Capital costs	\$US 643.8 million
Operating costs (without credits)	\$US 6,727/t LiOH.H <sub>2</sub> O
Operating costs (with credits)	\$US 5,567/t LiOH.H <sub>2</sub> O
Lithium hydroxide price assumption	\$US 17,000/t battery grade LiOH.H <sub>2</sub> O

*1 The PFS Update for the production target and forecast financial information was released on 19 January 2022*

*2 The annual production is stated as 100% lithium hydroxide monohydrate*

*3 The JORC Resource was updated 13 October 2021*

*The Company confirms that all material assumptions underpinning the production target and forecast financial information continue to apply and have not materially changed.*

**\$US 1.938**

**Billion**

**NPV**

(8%, after tax)

**36.3%**

**IRR**

(after tax)

**25 years**

**Life Of Mine**

(based on only 13.1% of Measured and Indicated resource and 7.7% of total resource)

# CATALYSTS TO DRIVE SHAREHOLDER WEALTH

## Key Accomplishments

- ☒ Strategic partnership with CEZ – project fully funded to FID
- ☒ Partnership agreement with EU body/formal EU recognition as Strategic Project
- ☒ Appointment of lead engineer
- ☒ Completion of PFS demonstrating strong economics and low cost of production for underground mining
- ☒ Production of battery grade lithium hydroxide and lithium carbonate
- ☒ Completed locked-cycle tests
- ☒ Completed drilling for resources and reserves update
- ☒ Update resource model to include Measured Resources/upgrade of Probable Reserves to Proven Reserves.
- ☒ Simplified Flowsheet

## In progress

- ☐ Progress strategic partner/offtake discussions – in active discussions with leading global (batteries/autos).
- ☐ Progress EIAs and permitting for mining and processing.
- ☐ DFS and Front-End Engineering Design (FEED)
- ☐ Pilot programme to produce marketing samples.
- ☐ Production Upgrade Assessment

# BOARD & MANAGEMENT TEAM



## KEITH COUGHLAN

(AUS)  
MANAGING DIRECTOR

30 years stockbroking & funds management experience

Previously Chair of Talga Resources

Currently Non-Exec Chair of Doremus Plc.

## RICHARD PAVLIK

(CZ)  
EXECUTIVE DIRECTOR

Masters Mining Engineering

30 yrs Czech mining experience

Previously Chief Engineer & Head of Surveying & Geology for OKD & New World Resources.

## KIRAN MORZARIA

(GB)  
NON EXECUTIVE DIRECTOR

CEO & Director of EMH's largest shareholder, Cadence Minerals in UK

Bachelor of Engineering & MBA Finance

Operational & Management experience in Mineral Resource Industry.

## LINCOLN BLOOMFIELD

(USA)  
NON EXECUTIVE DIRECTOR

Former US Ambassador & official specialising in foreign policy and international security

Former Chairman of the Stimson Center in Washington DC,

Experience working with governments, companies in the private sector, primarily involving renewable energy technology, private equity, and security issues.

## DAVID KOCH

(AUS)  
COMPANY  
SECRETARY/CFO

David is a Chartered Secretary and CPA with 35+ years experience working in the precious metals and mining services industries. David is a Fellow of the Governance Institute of Australia and holds a Bachelor of Business with majors in Accounting and IT, and a Graduate Diploma of Applied Corporate Governance.

## SIMON EDWARDS

(UK)  
CORPORATE  
DEVELOPMENT  
COO of GEOMET

Chartered Accountant (ICAEW) with Coopers & Lybrand

Corporate finance roles in leading London-based bank/brokers

Metallurgy & Science of Materials (Oxford).

## GRANT HARMAN

(AUS)  
METALLURGICAL  
CONSULTANT

Previously Manager, Lithium Chemicals, for Talison Lithium

Held roles with UGL, SNC Lavalin, CleanTeq & Ausenco.

## MARC ROWLEY

(AUS)  
DFS Consultant

Previously DFS Manager and delivered the DFS for the Goulamina Project, for Leo Lithium

Previously DFS Manager and delivered the PFS and DFS for the Pilgangoora Project, for Altura Mining

## PETER HULJICH

(AUS)  
CORPORATE FINANCE  
ADVISER

25 years' experience in the Investment Banking, natural resources and Legal sectors in Europe/Australia/Africa.

B Com/LLB from the University of Western Australian Graduate of the Securities Institute of Australia (National Prizes in Applied Valuation and Financial Analysis).

## WALTER MADEL

(CZ)  
OPERATIONS MANAGER

GEOMET

Experienced minerals operations and ore processing specialist.

Walter has successfully delivered lithium ore processing plants for Altura's Pilgangoora mine and Firefinch's Goulamina hard rock lithium DFS.

## MICHAEL ATKINS

(AUS)  
CORPORATE  
CONSULTANT

Fellow of the Australian Institute of Company Directors.

30+ years' experience as an executive manager and current Chairman of ASX-listed Legend Mining, Castle Minerals and SRG Global Limited.



ASX : **EMH**



LON : **EMH**

OTCQX : **EMHXY**  
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