

# 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

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 or see full contact details at the end of this release.

#### **ENQUIRIES:**

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Email: keith@europeanmet.com

Kiran Morzaria, Non-Executive Director Tel: +44 (0) 20 7440 0647

David Koch, Company Secretary Tel: +61 (0) 418 925 212

Email: david@europeanmet.com

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(Corporate Finance) Harry Ansell (Broking)

Panmure Gordon (UK) Limited (Joint Broker)

John Prior Tel: +44 (0) 20 7886 2500

Hugh Rich

James Sinclair Ford Harriette Johnson

Blytheweigh (Financial PR) Tel: +44 (0) 20 7138 3222

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**DIRECTORS AND MANAGEMENT** 

Keith Coughlan EXECUTIVE CHAIRMAN

**Richard Pavlik** 

Kiran Morzaria

**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

**European** Metals

# **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

# **EUROPEAN METALS HOLDINGS**



#### 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 8, 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

**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)

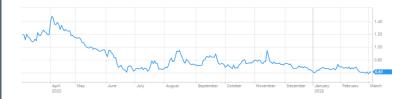
Vojtech Sesulka Consulting Geologist (Czech Republic)

#### 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:EMHXY



Strong ESG credentials

# 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 Šefčovi č

### **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.

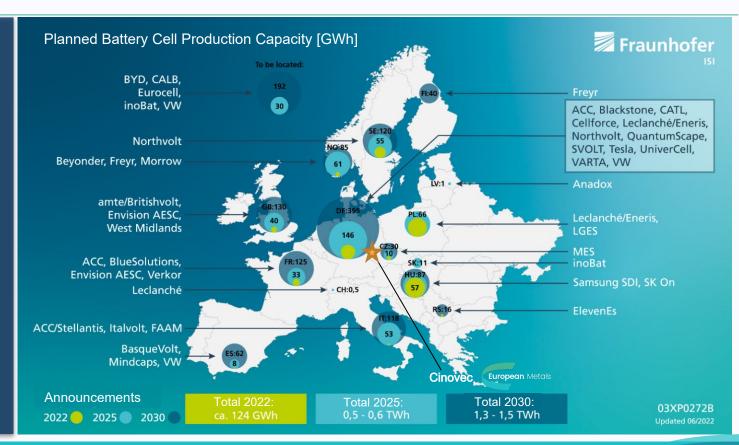
Applications close 31 st December 2023

# PROXIMITY TO END USERS



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

Critical for EU's 80% supply security target

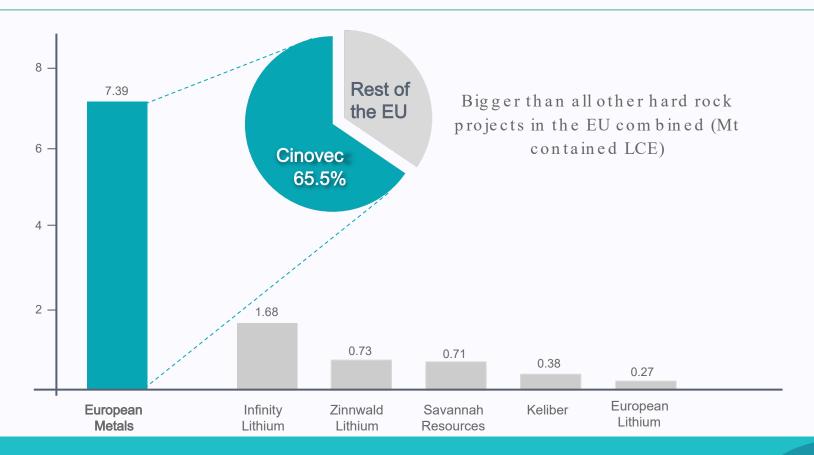


## CINOVEC - PROJECT LOCATIONS



# CINOVEC - LARGEST HARD ROCK PROJECT IN EU





# SIMPLIFIED FLOWSHEET PRODUCES 99.99% PURE LITHIUM European Metals **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> -	CI
	%	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**

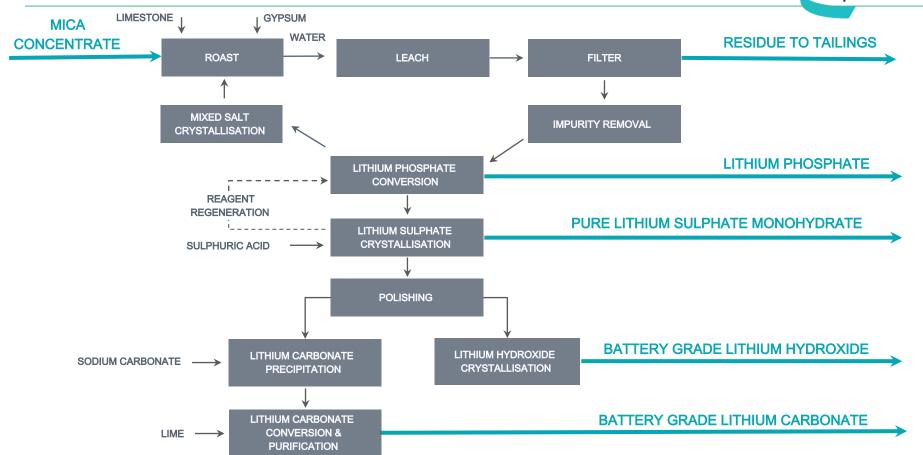
Lower reagent use and elimination of all process cooling steps further enhances ESG profile

#### Improved Lithium Recovery

Overall lithium recoveries improved to 88 -93%

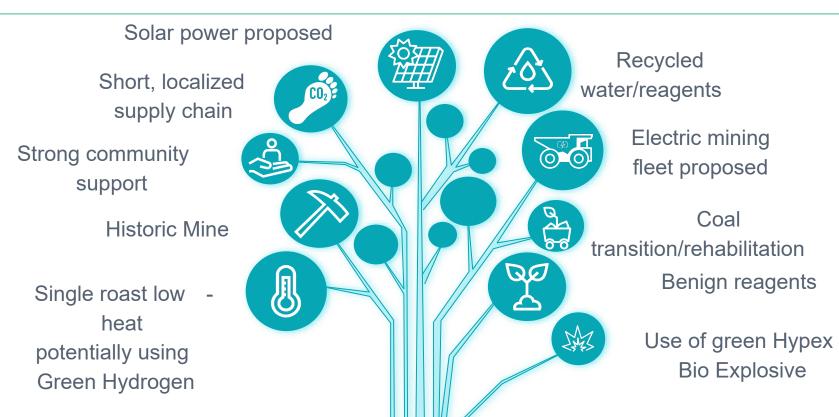
# SIMPLIFIED PROCESS FLOWSHEET





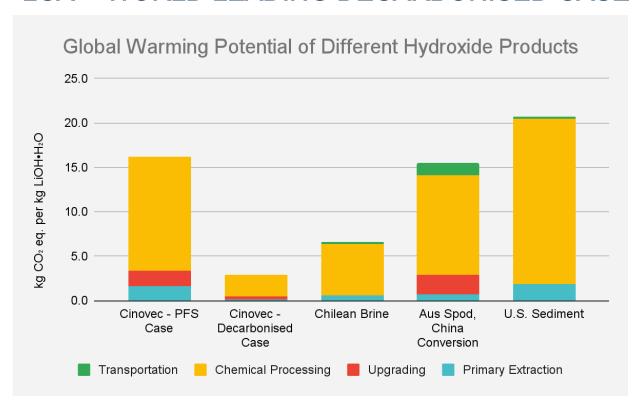
# POSITIVE ESG PROFILE







# LCA - WORLD LEADING DECARBONISED CASE



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

# STRATEGIC PARTNERSHIPS





- 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 2O
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

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

#### 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

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 Pilganloora 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 ASXlisted Legend Mining, Castle Minerals and SRG Global Limited.

# **EUROPEAN METALS HOLDINGS**







OTCQX: EMHXY ERPNF

Frankfurt: E861.F

## Keith Coughlan

**Executive Chairman** 

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