

The Cinovec Project

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

April 2023 – Future Facing Commodities Conference



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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 NPV₈, 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: 192 million

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



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**

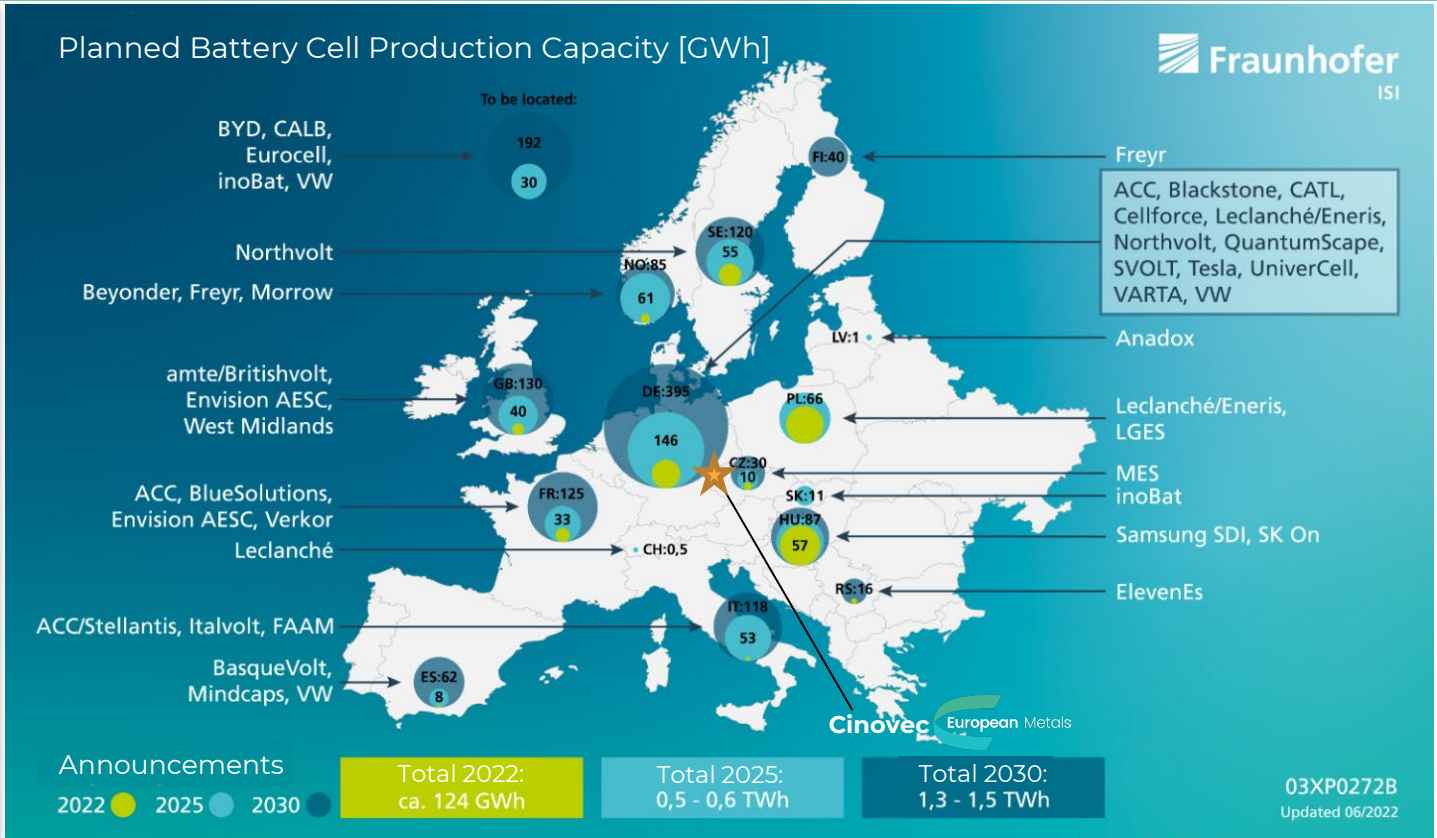
Just Transition Fund

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 31st December 2023

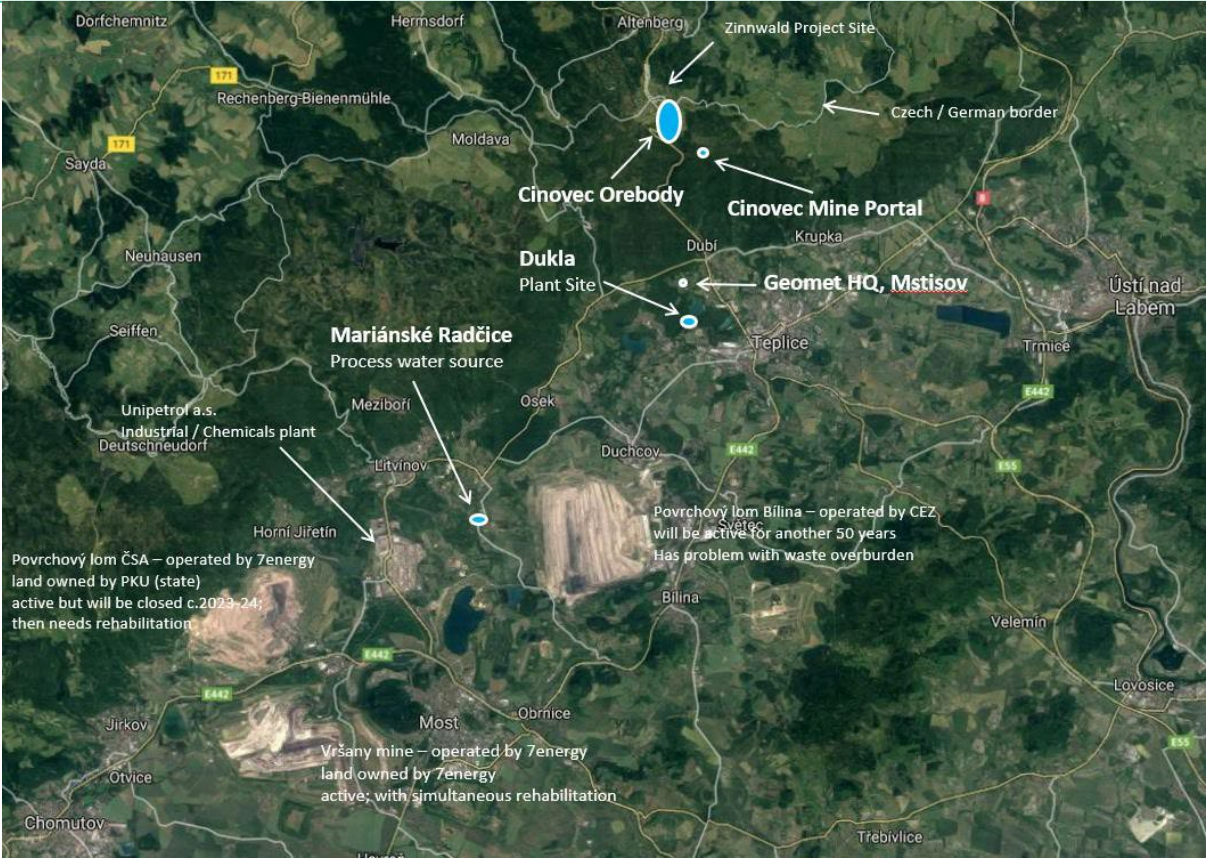
PROXIMITY TO END USERS

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

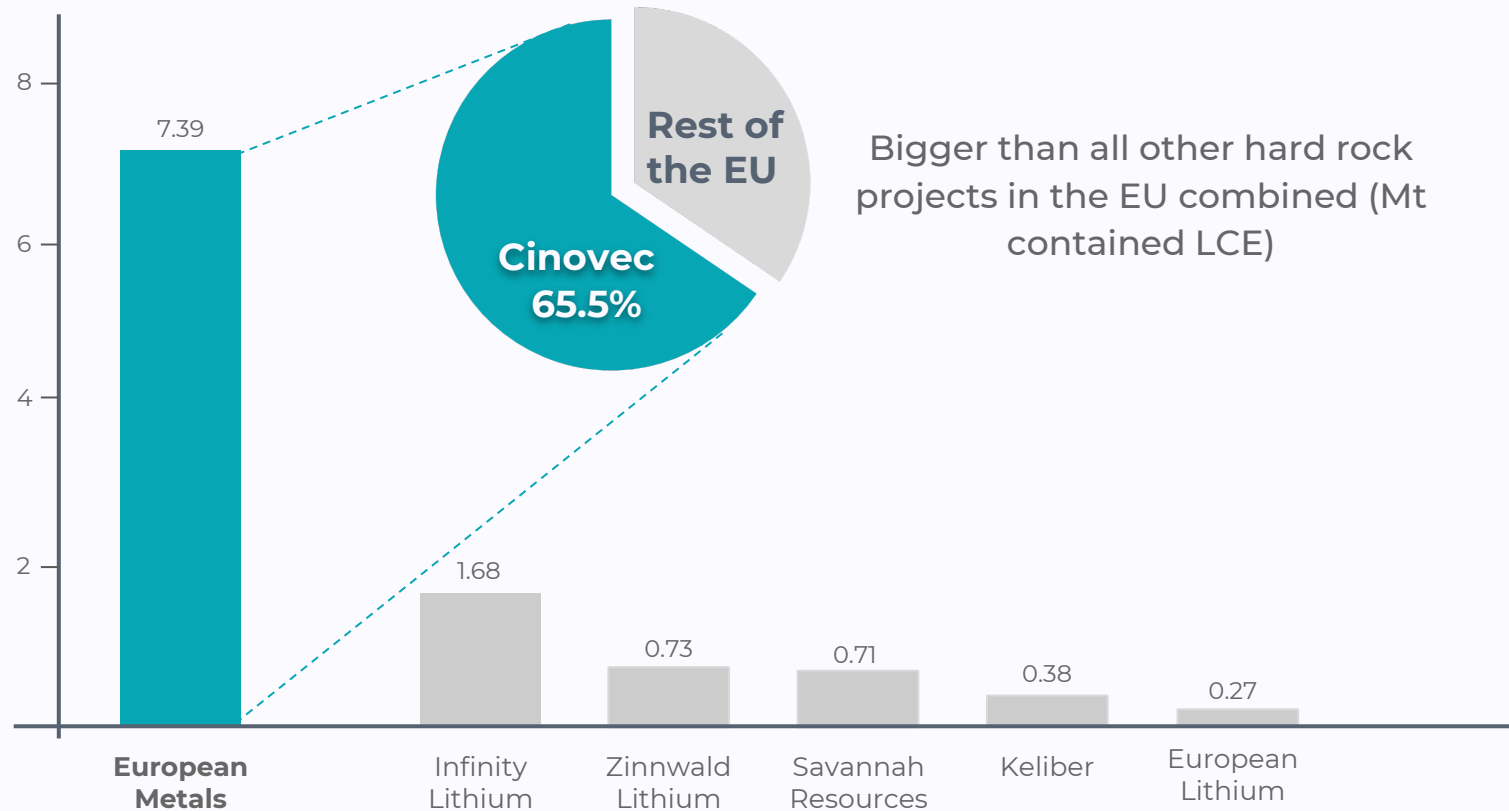
Critical for EU's 80% supply security target



CINOVEC – PROJECT LOCATIONS



CINOVEC - LARGEST HARD ROCK PROJECT IN EU



SIMPLIFIED FLOWSHEET PRODUCES 99.99% PURE LITHIUM CARBONATE



High-grade Lithium End-Products

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

	Li ₂ CO ₃	Na	K	Mg	Ca	Mn	Fe	Ni	Cu	Zn	Al	Si	Pb	SO ₄ ²⁻	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%

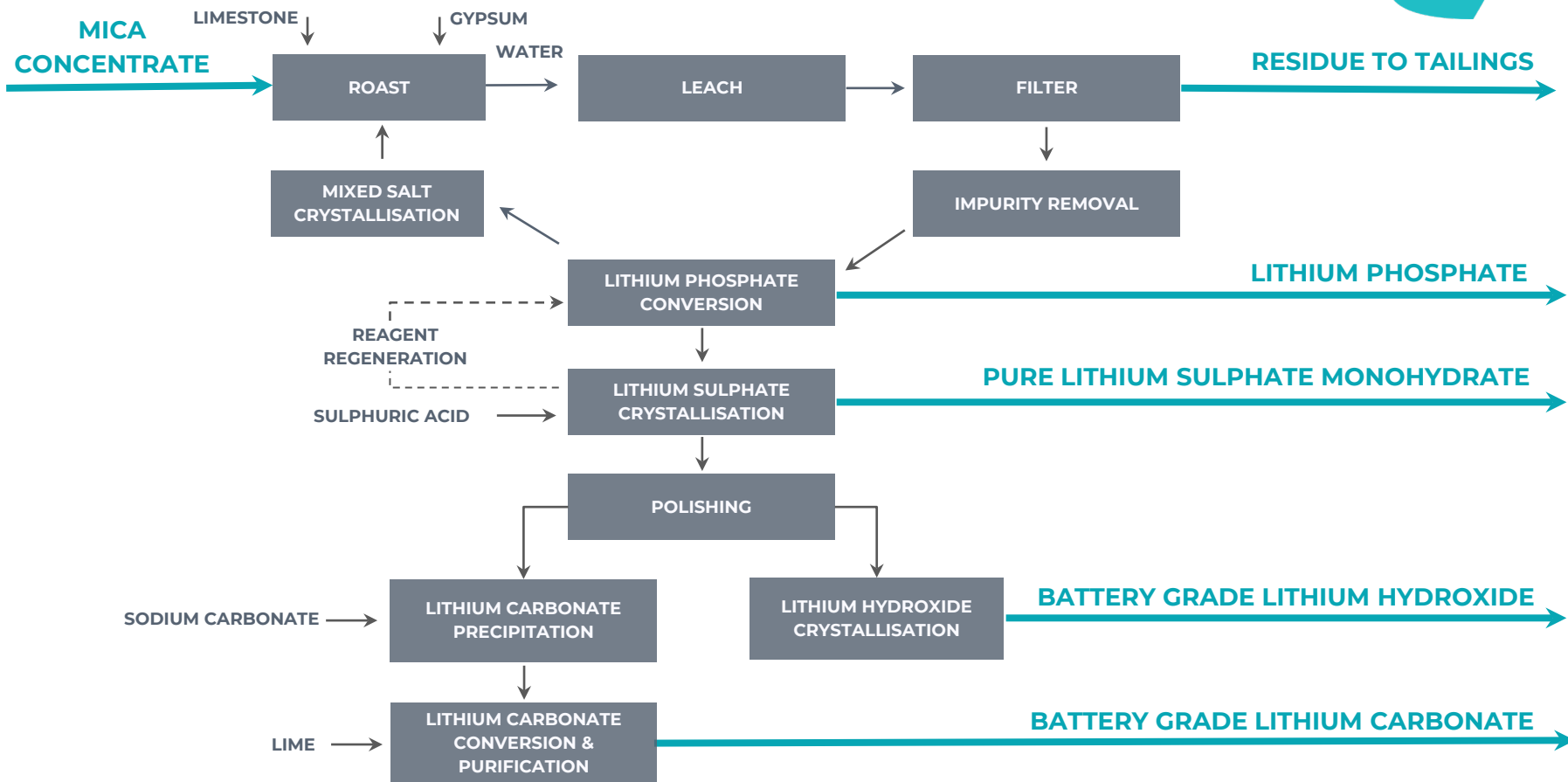
ESG Benefits

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

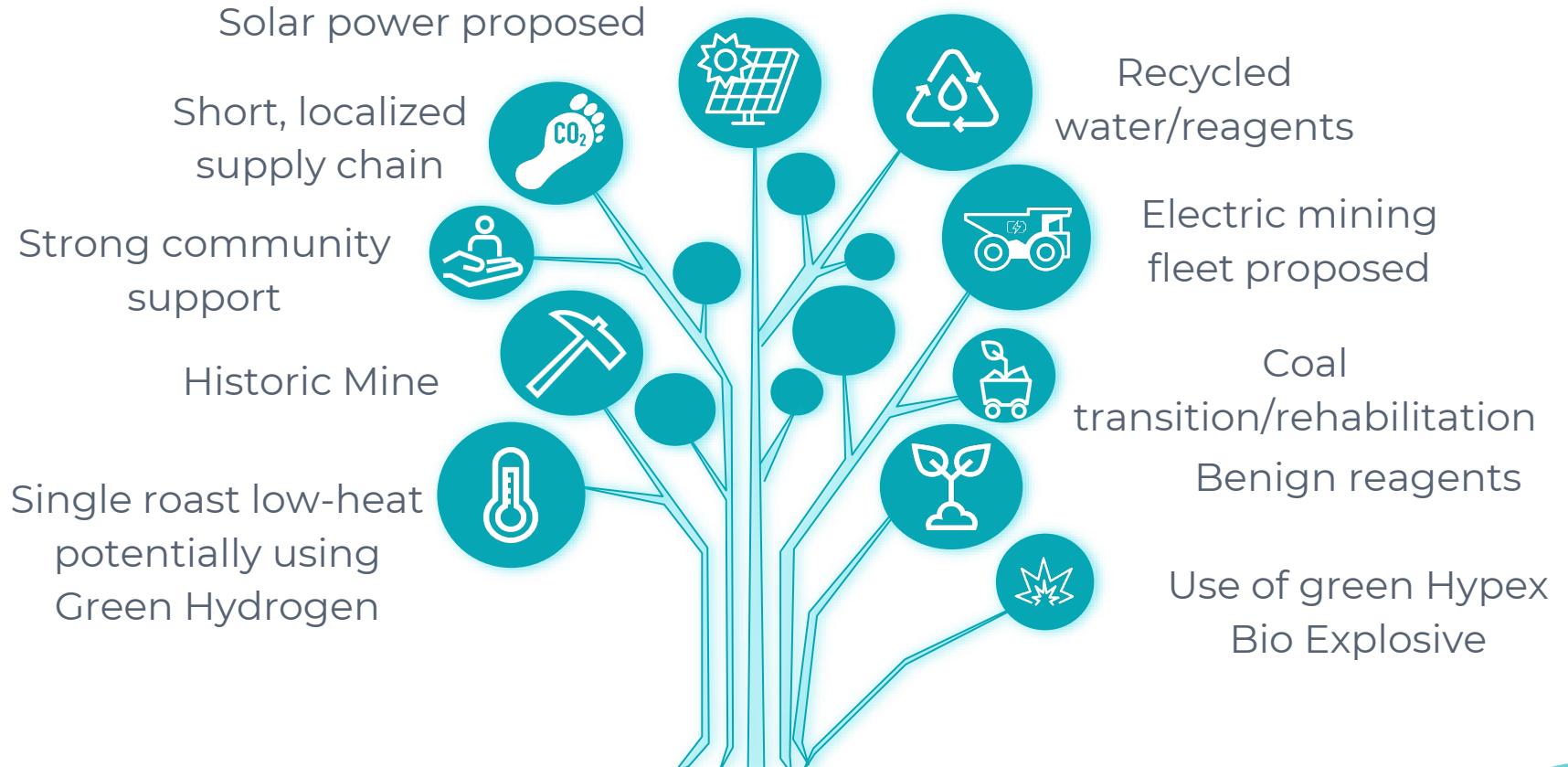
Improved Lithium Recovery

Overall lithium recoveries improved to 88-93%

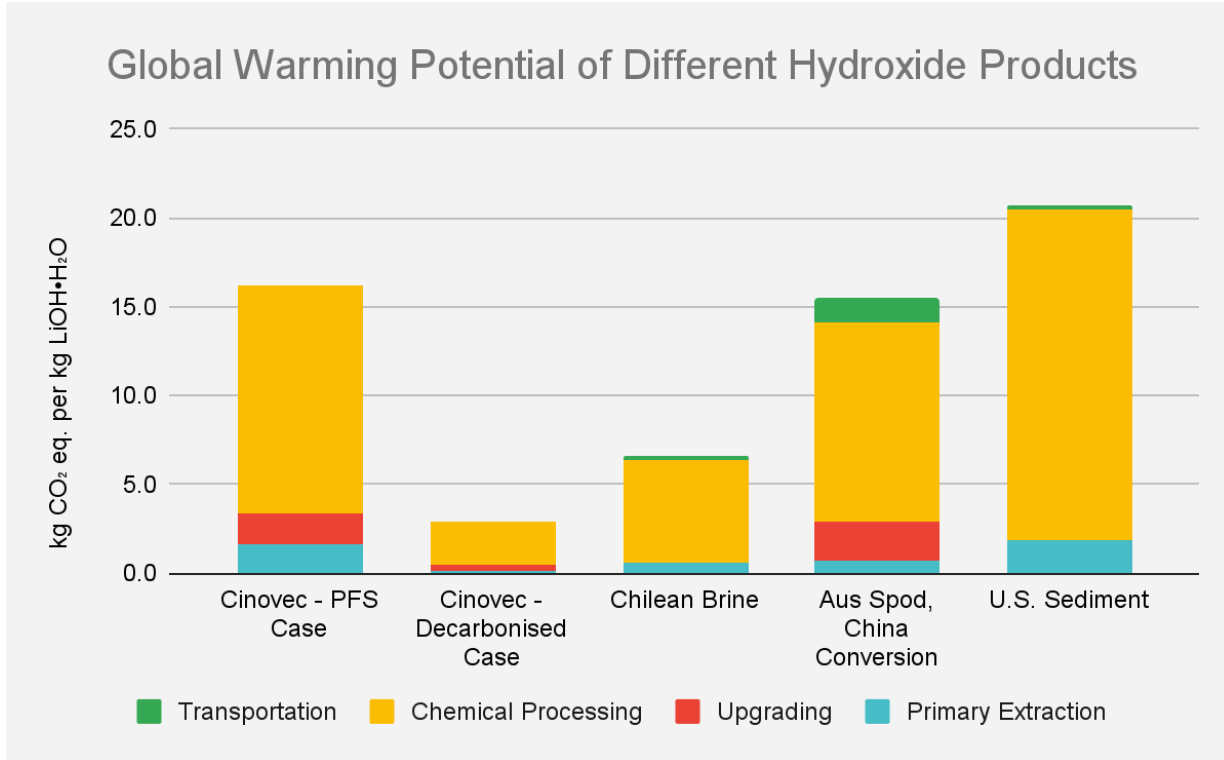
SIMPLIFIED PROCESS FLOWSHEET



POSITIVE ESG PROFILE



LCA – WORLD LEADING DECARBONISED CASE



- 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 ₂ 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 ₂ O
Operating costs (with credits)	\$US 5,567/t LiOH.H ₂ O
Lithium hydroxide price assumption	\$US 17,000/t battery grade LiOH.H ₂ 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.

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 LON : **EMH**

OTCQX : **EMHXY**
ERPNE

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