



# Manganese is Electric!







**Euro  
Manganese  
Inc.**

**An ideal way  
for ESG investors  
to participate in  
the rapid growth  
of the high-purity  
manganese sector**



**CHVALETICE  
MANGANESE  
PROJECT**

A unique waste recycling opportunity

**Corporate presentation – September 2021**





# Cautionary Note

## Forward-Looking Statements and Risks Notice

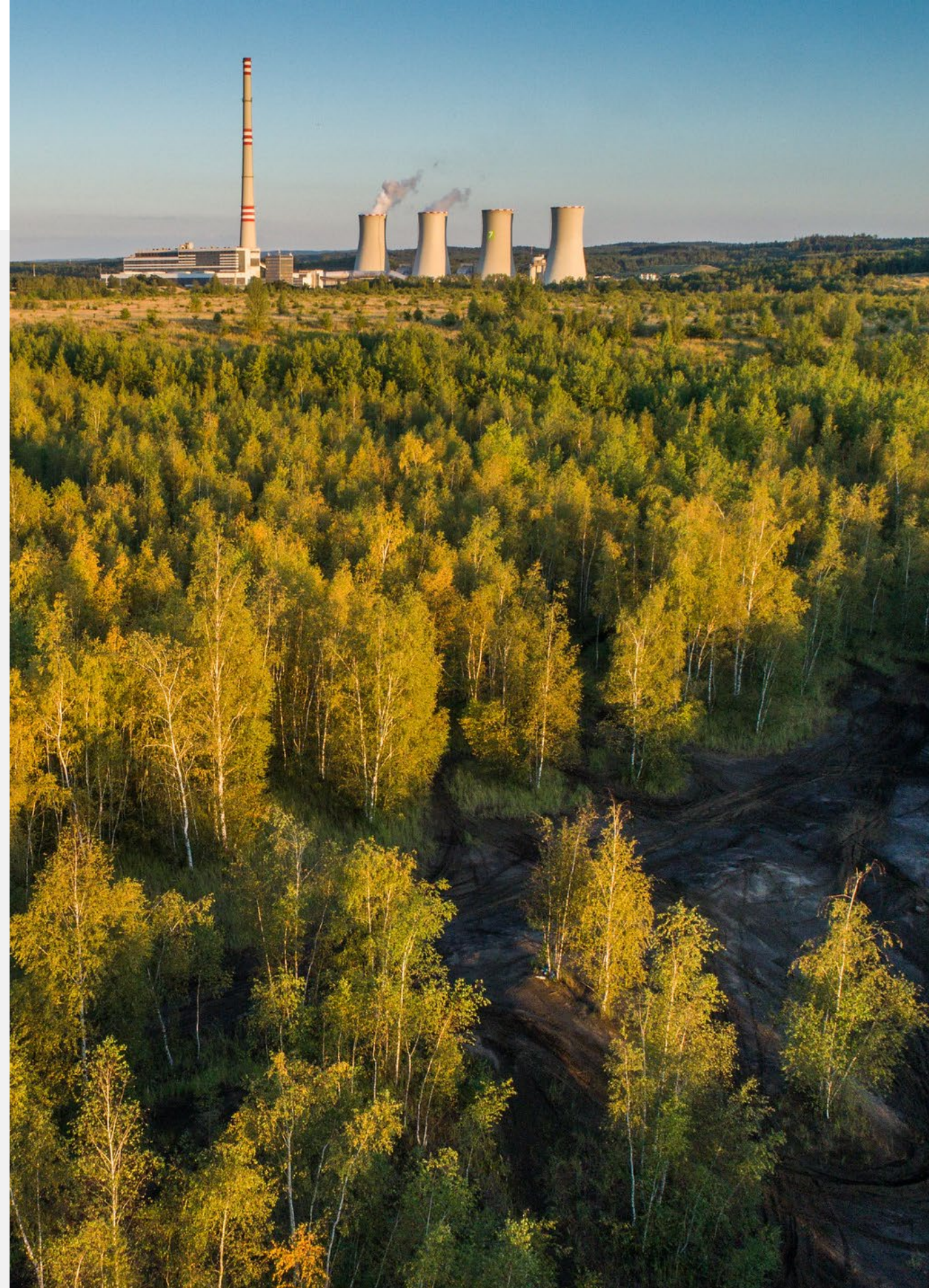
Except for statements of historical fact relating to Euro Manganese Inc. (“EMI” or the “Company”), certain information contained in this presentation constitutes forward-looking statements. When we discuss our costs and timing of current and proposed evaluation; planning; development; capital expenditures; cash flow; working capital requirements; and the requirement for additional capital; operations; revenue; margins and earnings; future prices of electrolytic manganese metal, manganese sulphate and other products; future foreign currency exchange rates; future accounting changes; future prices for marketable securities; future resolution of contingent liabilities; or other things that have not yet happened in this review, we are making statements considered to be forward-looking information or forward-looking statements under Canadian law. We refer to them in this review as forward-looking information.

The forward-looking information typically includes words and phrases about the future, such as: plan, expect, forecast, intend, anticipate, estimate, budget, scheduled, believe, may, could, would, should, might, and will. We can give no assurance that the forward-looking information will prove to be accurate. It is based on a number of assumptions management believes to be reasonable, including but not limited to the continued operation of the Company’s exploration, evaluation and development activities, no material adverse change in the market price of commodities and exchange rates, and such other assumptions and factors as set out herein.

It is also subject to risks associated with our business, including but not limited to: risks inherent in the mineral exploration and evaluation and mineral extraction business; commodity price fluctuations; competition for mineral properties; mineral resources and reserves and recovery estimates; currency fluctuations; interest rate risk; financing risk; environmental risk; foreign activities; legal proceedings; and other risks.

If our assumptions prove to be incorrect or risks materialize, our actual results and events may vary materially and adversely from what we currently expect as set out in this review.

Forward-looking information is designed to help you understand management’s current views of our near and longer-term prospects, and it is not appropriate for other purposes. We will not necessarily update this information unless we are required to by law.





# Compliance Statements



## Competent and Qualified Persons Statement

All production targets for the Chvaletice Manganese Project referred to in this presentation are underpinned by estimated Measured and Indicated Mineral Resources prepared by competent persons and qualified persons in accordance with the requirements of the Joint Ore Reserves Committee Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves 2012 Edition (“JORC Code”) and National Instrument 43-101 - *Standards and Disclosures for Mineral Projects* (“NI 43-101”), respectively. Additionally, the scientific and technical information included in this presentation is based upon technical reports prepared by Mr. James Barr, P. Geo, Senior Geologist, Mr. Jianhui (John) Huang, Ph.D., P. Eng., Senior Metallurgical Engineer, Mr. Hassan Ghaffari, P.Eng, M.A.Sc., Senior Process Engineer, Mr. Chris Johns, P.Eng., and Mr. Mark Horan, P.Eng, MSc., Senior Mining Engineer, all with Tetra Tech Canada Inc. (“Tetra Tech”), and entitled “Technical Report and Preliminary Economic Assessment for the Chvaletice Manganese Project, Chvaletice, Czech Republic” having an effective date of 29 January 2019 (release date 15 March 2019) (the “NI-43-101 Technical Report”) and “Public Report and Preliminary Economic Assessment for the Chvaletice Manganese Project, Chvaletice, Czech Republic” having an effective date of 29 January (release date 22 March 2019) (the “JORC Code Report”). The NI-43-101 Technical Report was filed on SEDAR at [www.sedar.com](http://www.sedar.com) on 15 March 2019 and the JORC Code Report was lodged with the ASX on 26 March 2019. The above-named persons are consultants to, and independent of the Company within the meaning of NI 43-101, and have sufficient experience in the field of activity being reported to qualify as Competent Persons as defined in the JORC Code, and are Qualified Persons, as defined in NI 43-101. Messrs. Barr, Huang, Ghaffari, Johns, and Horan have no economic or financial interest in the Company and consent to the inclusion in this presentation of the matters based on their information in the form and context in which it appears.

## References to ASX and TSX-V Market Announcements

This presentation contains information extracted from certain of the Company’s ASX and TSX-V market announcements, as shown below, including exploration results, estimates of Measured and Indicated Mineral Resources, and production targets as reported in accordance with the JORC Code and NI 43-101 standards:

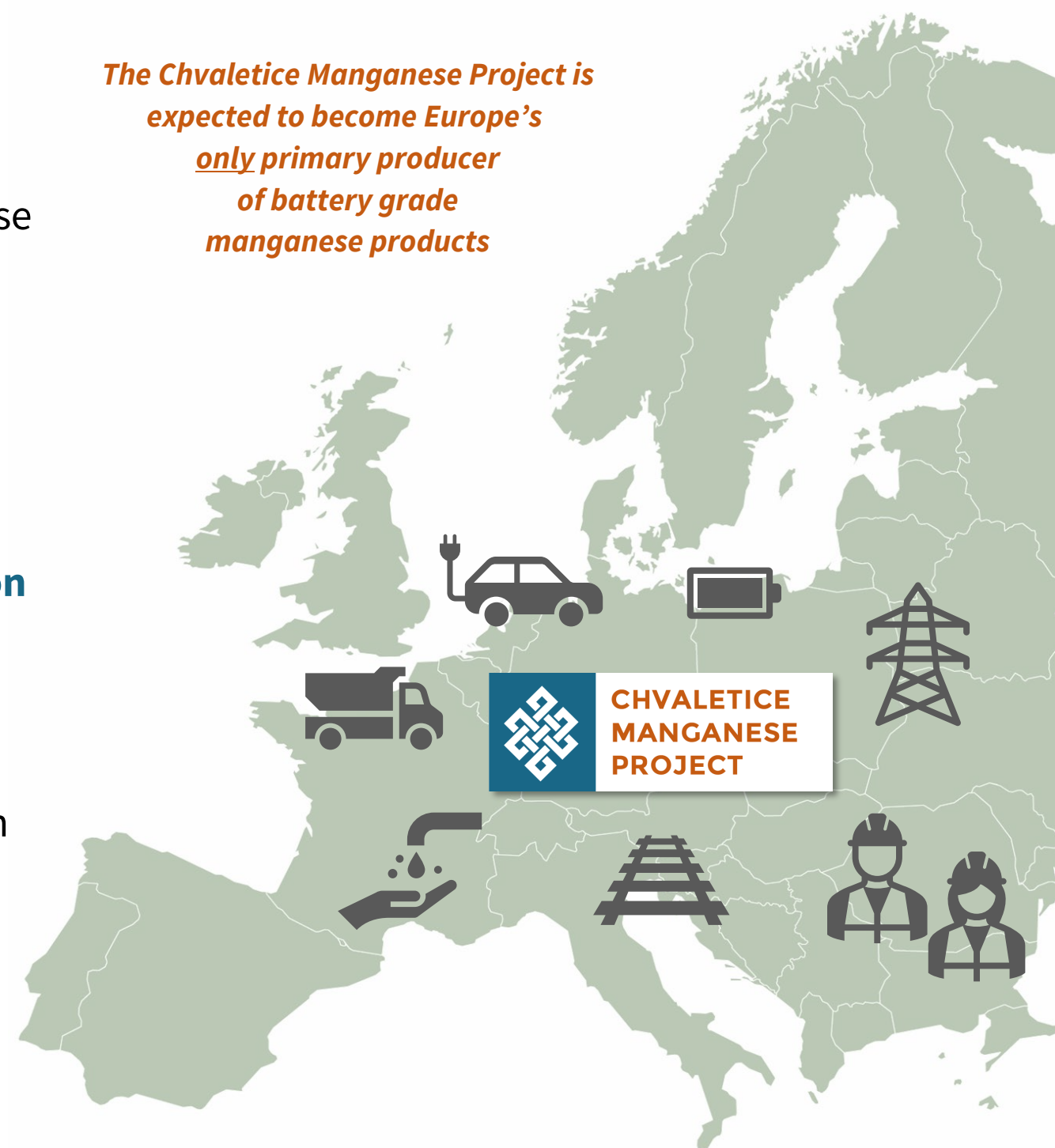
- i. The summary of results from the Preliminary Economic Assessment reported on page 8 of this presentation were reported in the TSX-V and ASX market announcement dated 30 January 2019.
- ii. The decision made to proceed to Feasibility Study stage reported on pages 23 and 29 of this presentation was reported in the TSX-V and ASX market announcement dated 22 May 2019.
- iii. Results of the drilling program and metallurgical testing reported on pages 21, 23 and 32 of this presentation were reported in TSX-V and ASX market announcements dated 17 October 2018 and 17 December 2018.
- iv. The simplified process flowsheet reported on page 22 of this presentation was reported in the TSX-V and ASX market announcement dated 30 January 2019.
- v. Production details related to the proposed demonstration plant reported on pages 21, 23 and 29 of this presentation were reported in the TSX-V and ASX market announcement dated 12 December 2019.
- vi. Information about the conclusion of the Czech Republic Ministry of the Environment’s screening procedure for the Chvaletice Manganese Project’s EIA on page 24 of this presentation was reported in the TSX-V and ASX market announcement dated 14 January 2021 .
- vii. Information about EIT InnoEnergy’s support of the Chvaletice Manganese Project on page 27 of this presentation was reported in TSX-V and ASX market announcement dated 22 February 2021.
- viii. Information about the restart of the pilot plant referred to on pages 23 and 29 of this presentation was reported in TSX-V and ASX market announcement dated 14 June 2021.
- ix. Information about the extension of development rights related to the Chvaletice Manganese Project on page 24 of this presentation was reported in TSX-V and ASX market announcement dated 20 July 2021.
- x. The Company is not aware of any new information or data that materially affects the information contained in the above-referenced market announcements. The Company also confirms that all material assumptions and technical parameters underpinning the estimates of Measured and Indicated Mineral Resources as provided in the relevant market announcements, as well as all material assumptions underpinning the production targets and financial forecast information in the JORC Code Report, continue to apply and have not materially changed, and that the form and context in which the Competent Persons’ findings are presented have not been materially modified.



# Strategically located in the heart of Europe

- ➔ **Europe’s largest manganese resource hosted in tailings – waste from a decommissioned mine**
- ➔ **Globally significant, 25-year project** to produce ~50,000 tonnes per annum of high-purity manganese in the form of battery-grade products
- ➔ **Recycling waste** – No hard rock mining – no significant new waste generation
- ➔ **No drilling, blasting, crushing or milling**
- ➔ **None of the negative impacts or public opposition** associated with greenfield mining projects
- ➔ **Significant environmental benefits** include contribution to EU decarbonization goals and cleanup of a longstanding source of water pollution
- ➔ **Uniquely located** to serve the world’s fastest growing EV and lithium-ion battery market
- ➔ **Excellent infrastructure** - rail, highway, gas pipeline, water and power available on-site

*The Chvaletice Manganese Project is expected to become Europe’s only primary producer of battery grade manganese products*





## 2019 PEA Key Metrics\*

<b>Production Profile</b>	<ul style="list-style-type: none"> <li>• <b>25-year project operating life producing 1.19 million tonnes of ultra-high-purity electrolytic manganese metal (“HPEMM”)</b>, two-thirds of which is expected to be converted into ultra-high purity manganese sulphate monohydrate powder (“HPMSM”). (Three-year ramp-up to ~49,000 tonnes of Mn per-annum)</li> </ul>
<b>Capex</b>	<ul style="list-style-type: none"> <li>• <b>US\$404 M</b> (+ US\$24.8 million in sustaining capital, and US\$31 million in working capital)</li> </ul>
<b>After-tax NPV</b>	<ul style="list-style-type: none"> <li>• <b>US\$593 million</b>, using a 10% real discount rate</li> </ul>
<b>IRR</b>	<ul style="list-style-type: none"> <li>• <b>Ungeared, pre-tax 25.2% IRR</b> with a 4.5-year payback</li> <li>• <b>Post-tax 22.6% IRR</b> with a 4.9-year payback</li> </ul>
<b>Projected prices</b>	<ul style="list-style-type: none"> <li>• <b>Average HPEMM (&gt;99.9% Mn) price of US\$4,617/tonne and HPMSM (32.34% Mn) price of US\$2,666/tonne over project life</b></li> </ul>
<b>Estimated site operating costs</b>	<ul style="list-style-type: none"> <li>• <b>US\$111.28 per tonne processed</b></li> <li>• <b>US\$2.57 per kg of manganese metal</b> (incl. metal equivalent in sulphate production)</li> </ul>
<b>EBITDA</b>	<ul style="list-style-type: none"> <li>• <b>Run rate EBITDA: average of US\$197 million per annum on reaching full capacity</b></li> <li>• <b>Overall EBITDA margin: 55%</b></li> <li>• <b>Sensitivity of EBITDA to manganese price: +/- 10% → 59.5% / 50.5% EBITDA margin</b></li> </ul>

\* "Technical Report and Preliminary Economic Assessment for the Chvaletice Manganese Project, Chvaletice, Czech Republic" prepared by Tetra Tech, effective date: January 29, 2019; release date: March 15, 2019



# Euro Manganese Inc. Capitalization

## CAPITALIZATION AS AUGUST 25, 2021

Shares (including ~252.8 Mill. CDIs)	374,508,415
Options	19,045,998
Warrants	11,400,000
<b>Fully Diluted</b>	<b>404,954,413</b>

## TRADING SYMBOLS

**TSX-V and ASX: EMN OTCQX: EUMNF Frankfurt: E06**  
(12-month average volume of 2.2 million shares/day)

## FINANCIAL METRICS

Cash balance – June 30, 2021	~ CDN\$33.5 million
Total Liabilities – June 30, 2021	~ CDN\$6.3 million
Debt	Zero debt
Market cap (August 31, 2021 @ \$0.63)	~ CDN\$236 million
Enterprise value (August 31, 2021)	~ CDN\$202 million

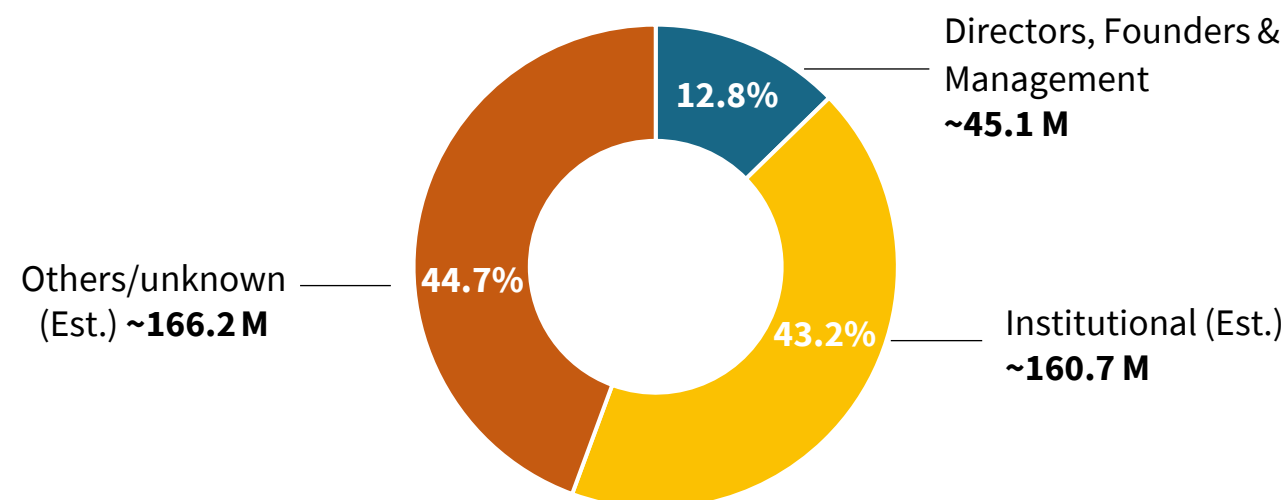
## RESEARCH COVERAGE

Canaccord Genuity (Australia)  
Stifel Nicolaus Canada

***Oversubscribed private placement completed May 2021  
raised CDN\$29 million***

## Ownership Structure at August 31, 2021

Total 374,508,415

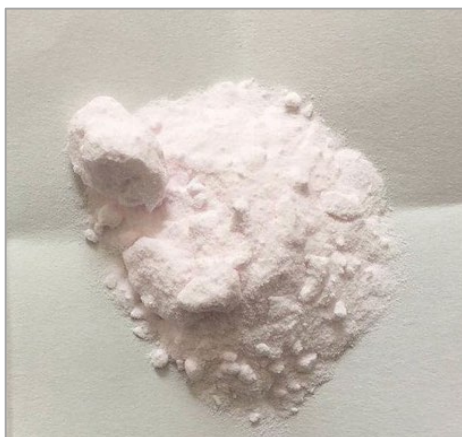


## 12-month share price and volume – ASX





# Project Focused on Two Manganese Products



High purity manganese **sulphate monohydrate (HPMSM)**

- The manganese product used by most lithium-ion battery makers
- Will account for approximately 2/3 of Chvaletice production

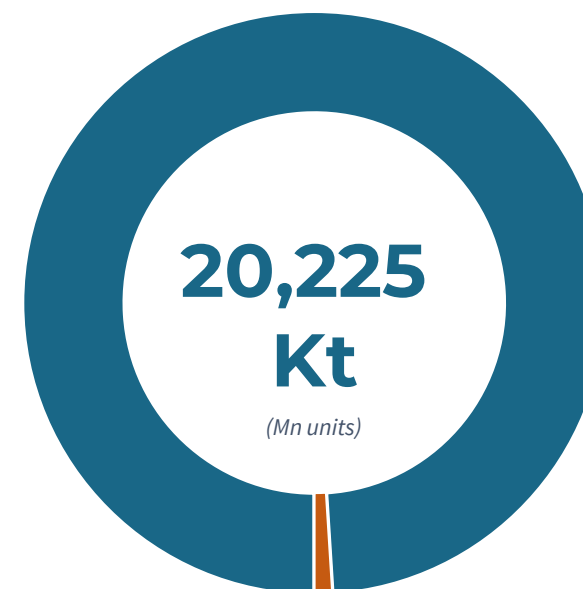


High purity electrolytic manganese **metal (HPEMM)**

- Used by some battery producers who prefer to make their own HPMSM.
- Will account for approximately 1/3 of Chvaletice production

## Annual Global Manganese Ore Production

- Used to make steel and aluminium alloys, agricultural soil supplements, food supplements, pigments, batteries and more



**High purity manganese production is less than 100 kt per annum, or 0.5% of the global Mn market**

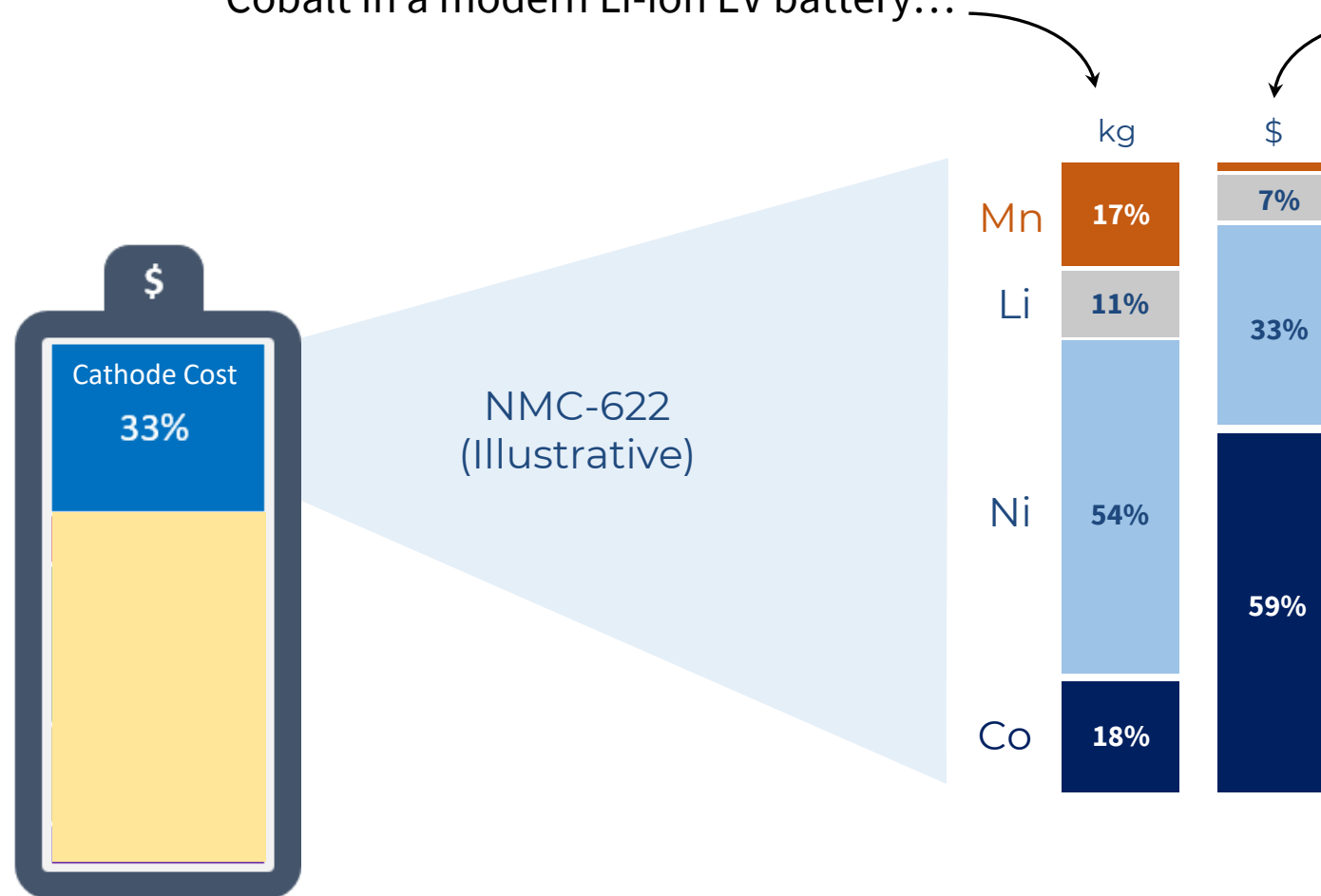
*The Chvaletice Manganese Project is designed to produce > 99.9% purity manganese products that meet the highest standards of EV battery makers.*



# Mn is the least costly component of NMC batteries

By weight, **Manganese** is as important as Cobalt in a modern Li-ion EV battery...

... yet it accounts for **only 1-2%** of the cost of cathode materials



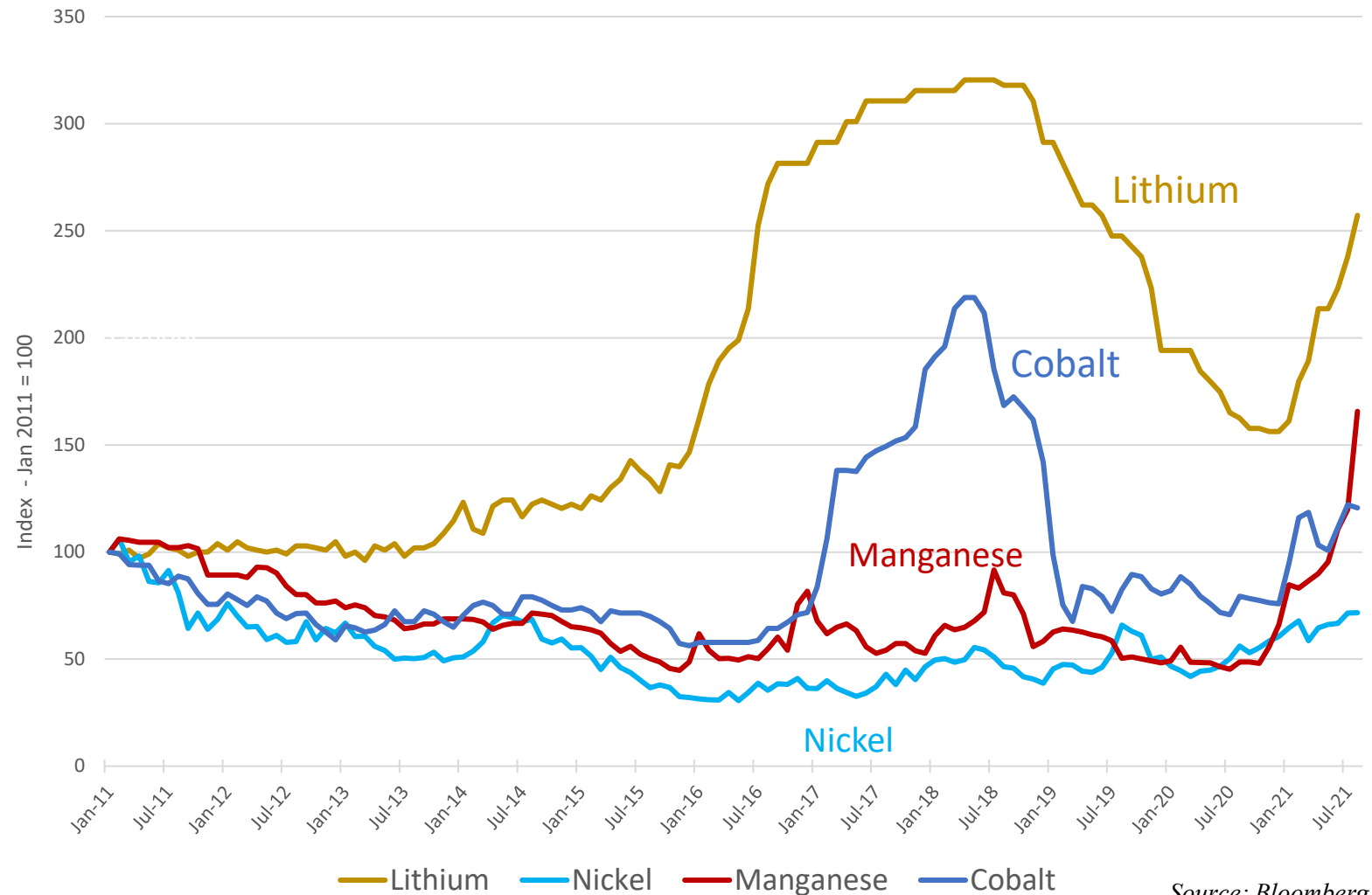
*Nickel-manganese-cobalt (NMC) cathode batteries are the dominant chemistry, with ~ 50% market share (2020)*

Source: Cairn ERA, Industry sources, Bloomberg, CPM



# Price change history - key battery metals

- ➔ Manganese pricing has remained stable compared with other key battery metals
- ➔ Manganese remains by far the lowest cost battery raw material in the NMC cathode, despite a 148% increase since the beginning of 2021.\*\*



Source: Bloomberg, CPM

## Battery Metal Prices\* change Jan. 2011 – Aug. 2021

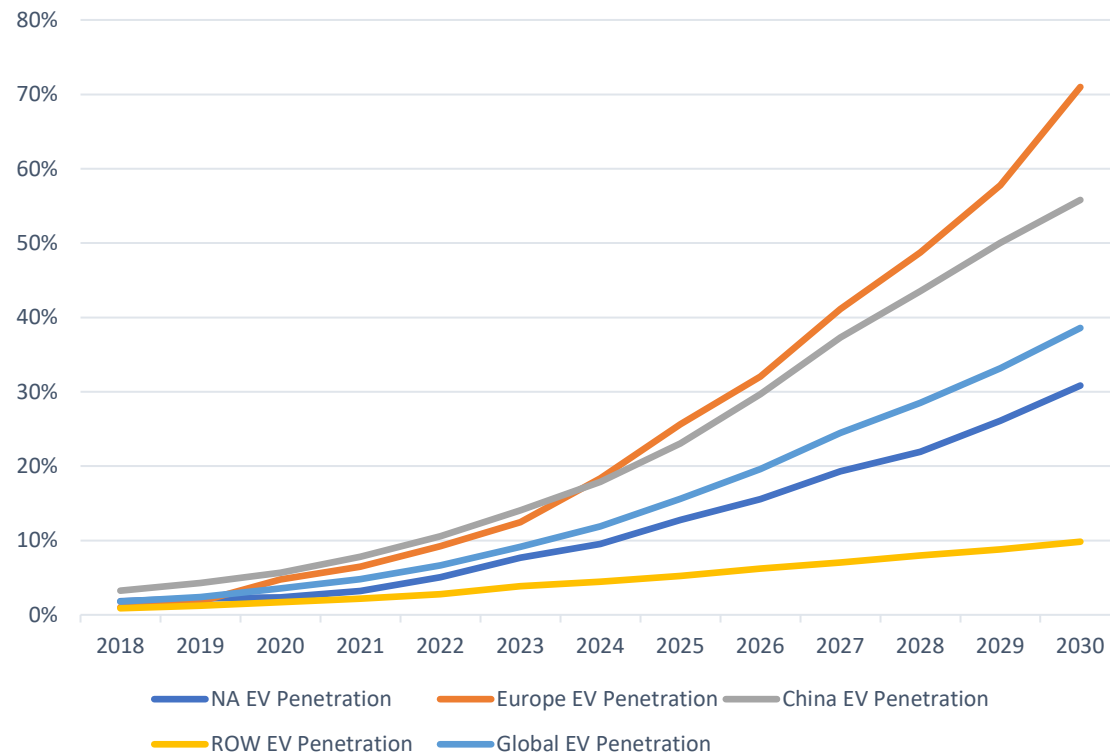
\* Mn, Ni, Co: standard commodity prices (not “battery grade”)

\*\* Source: FastMarkets MB based on weekly average spot prices



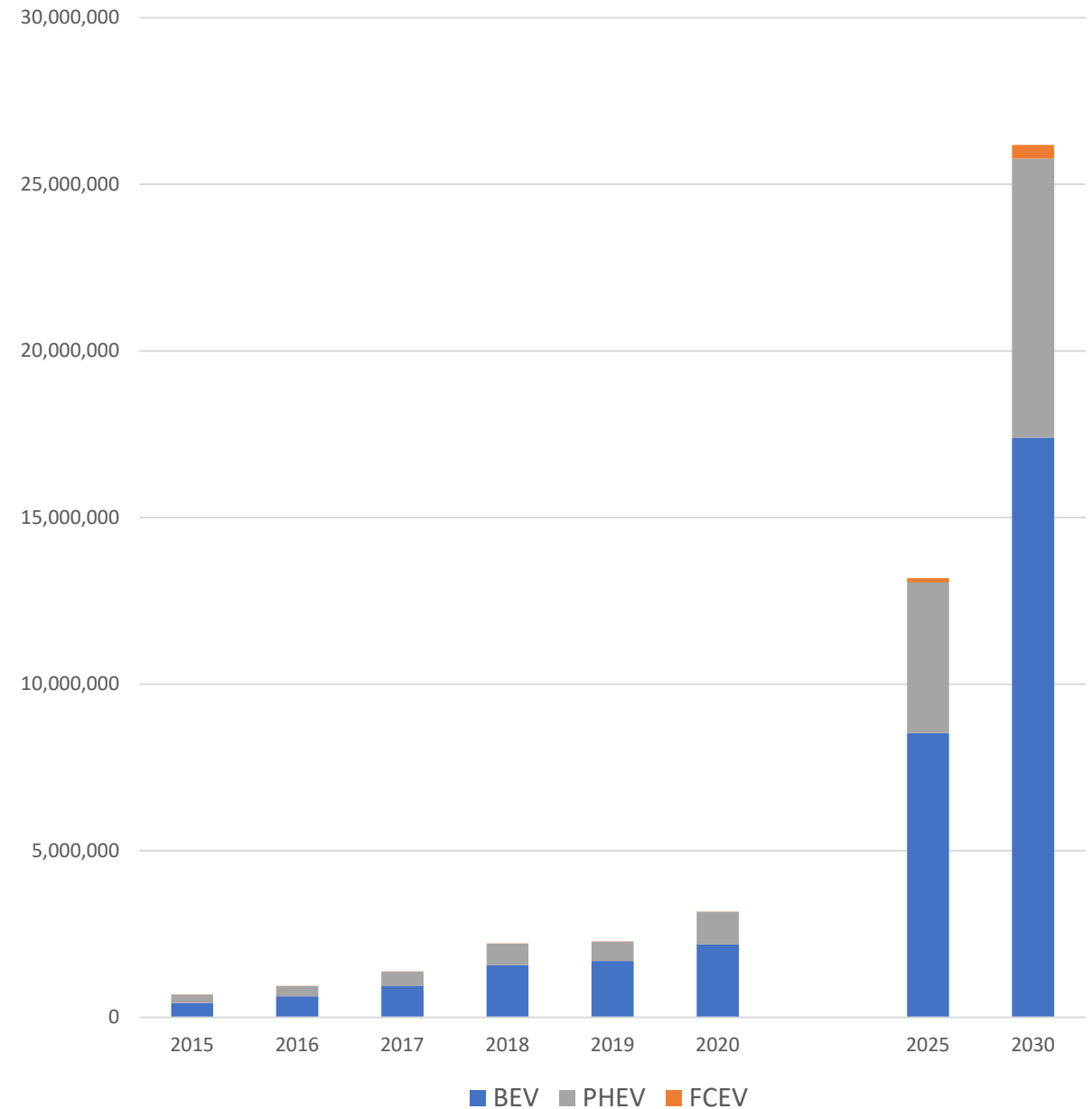
# #1: Electrification of the world's economy

- ➔ Customer demand for EVs is increasing exponentially
- ➔ Global policy changes and green stimulus packages are accelerating the shift
- ➔ Europe is the world's fastest growing market for EVs



Forecast EV penetration by region

Source: Cairn ERA



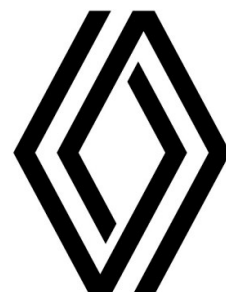
Historical and projected global annual EV sales 2015-2030

Notes: BEV: battery electric vehicle. PHEV: plug-in hybrid electric vehicle. FCEV: fuel cell electric vehicles using compressed liquid hydrogen. Europe includes EU27, Norway, Iceland, Switzerland and United Kingdom. Other includes Australia, Brazil, Canada, Chile, India, Japan, Korea, Malaysia, Mexico, New Zealand, South Africa and Thailand. Source: IEA



## #2: High purity manganese is here to stay

- ➔ **Manganese-rich batteries emerging rapidly**, with key announcements from **Volkswagen, Tesla, Stellantis, Renault and BASF**
- ➔ **Low substitution risk** – nickel-manganese-cobalt (NMC) cathode chemistry expected to dominate EV battery market (~52% today and ~60% by 2030)\*
- ➔ **New manganese-rich cathode formulations** expected to **reduce costs** with good range, power, safety and charging performance – also ideally-suited for solid state batteries



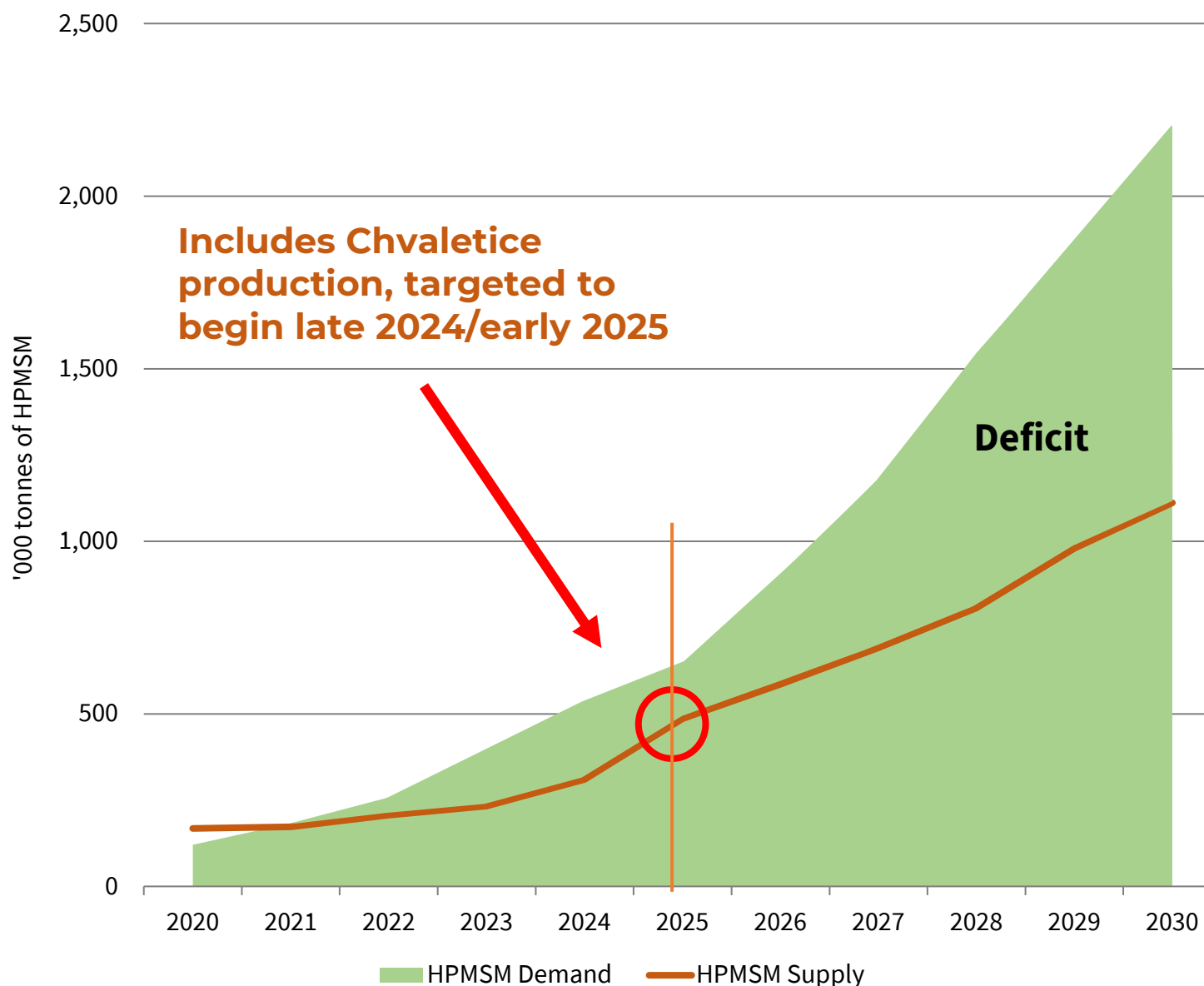
\* Source: CPM/Cairn ERA

# HPMSM supply/demand gap forecast

- ➔ **Global deficit of 1,091 kt of HPMSM projected by 2030**
- ➔ **To meet the 2030 demand for high purity MSM, **global production needs to increase nearly 13-fold compared to 2020 levels****



**High Purity MSM Demand & Supply to 2030**  
(thousand tonnes of HPMSM)



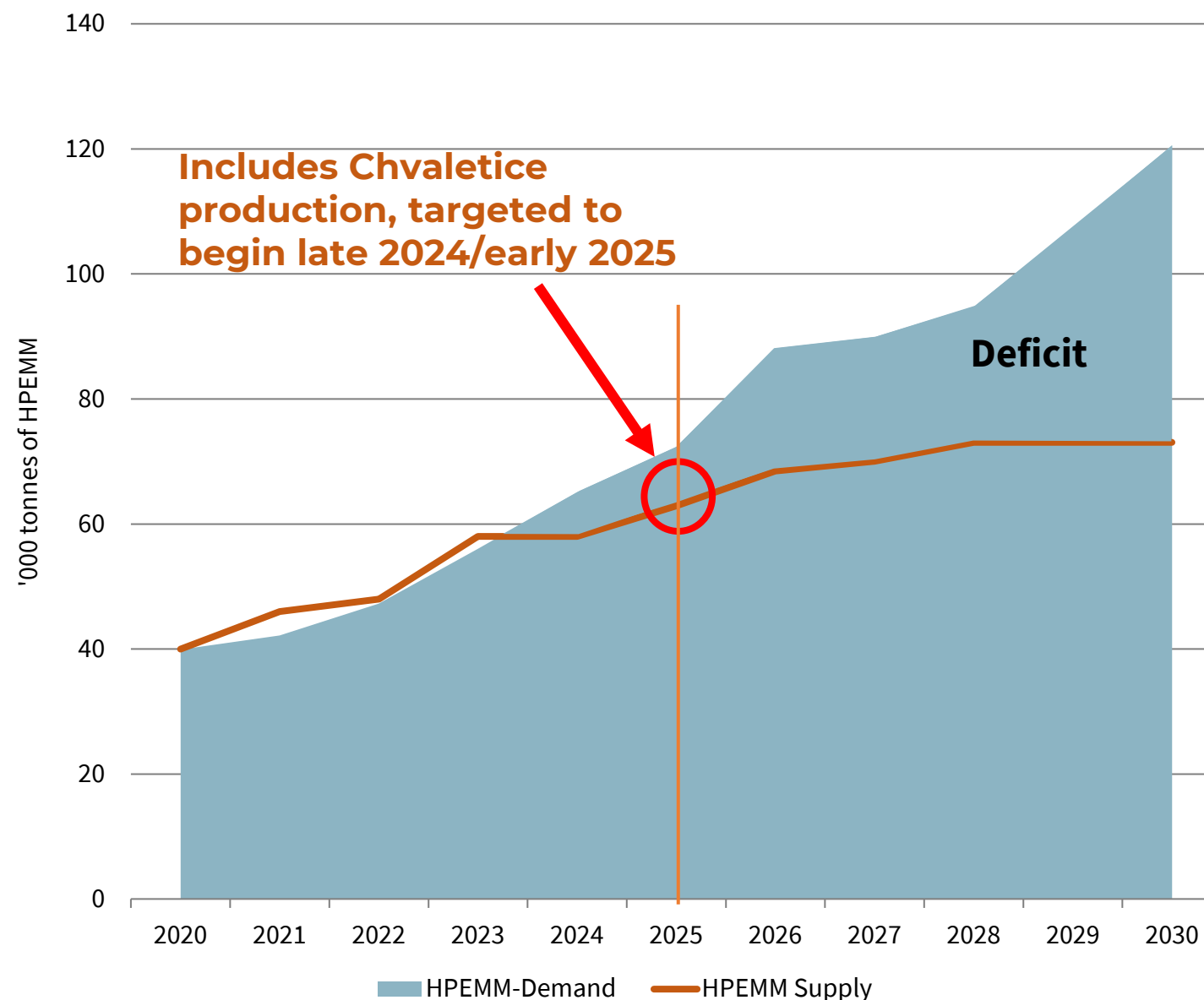


# HPEMM supply/demand gap forecast

- ➔ **Global deficit of 48 kt of high purity EMM projected by 2030**
- ➔ **To meet the 2030 demand\* for HPEMM, global production needs to increase 3-fold compared to 2020 levels**



**High Purity EMM Demand & Supply to 2030**  
(thousand tonnes of HPEMM)



\* Demand from all applications, not just batteries

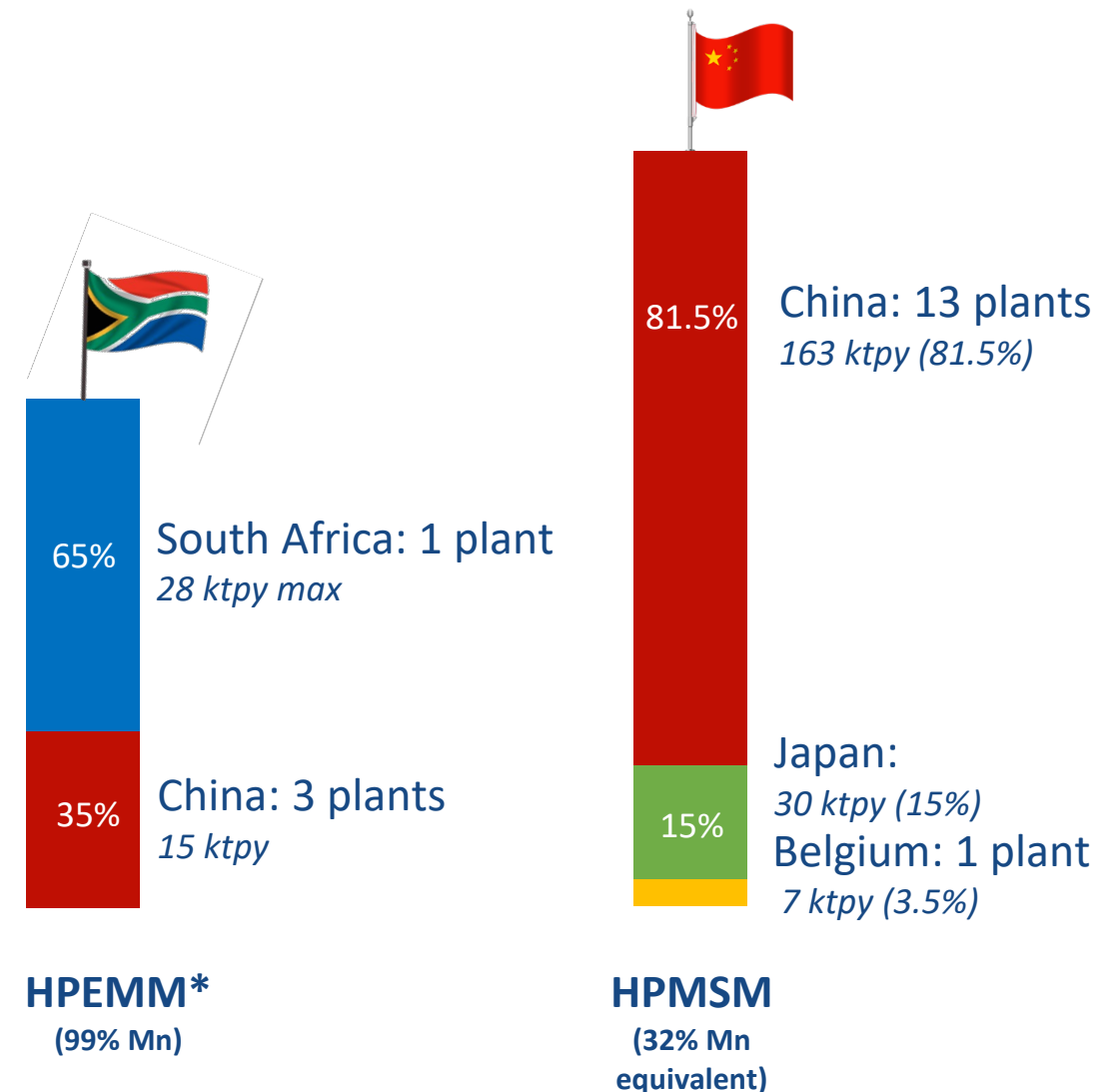
# #3: China dominates HPM global supply chain

## ➔ China has a head start

- Electrification of its economy
- Main consumer / producer of critical battery metals
- China produces over 80% of the world's battery grade manganese products

## ➔ Emerging reality in Europe and North America

- Requirement for sustainable supply chains – backed by stringent regulations
- Drive to localize battery and battery materials supply chain
- Drive to secure essential battery metals – including Mn



## 2020 global high purity manganese production

\*Not all HPEMM production is sold into the battery industry and 10 kt of annual HPEMM production gets converted to approx. 30 kt of high purity manganese sulphate solution.

Source: CPM Group



## #4: ESG focus is now mainstream

- ➔ Investors focused on environmental and social impacts
- ➔ Transition to low-carbon economy
- ➔ Green battery supply chains
- ➔ Socially aware consumers
- ➔ Government policy and regulations





# CHVALETICE MANGANESE PROJECT OVERVIEW





# At the heart of Europe's green transition

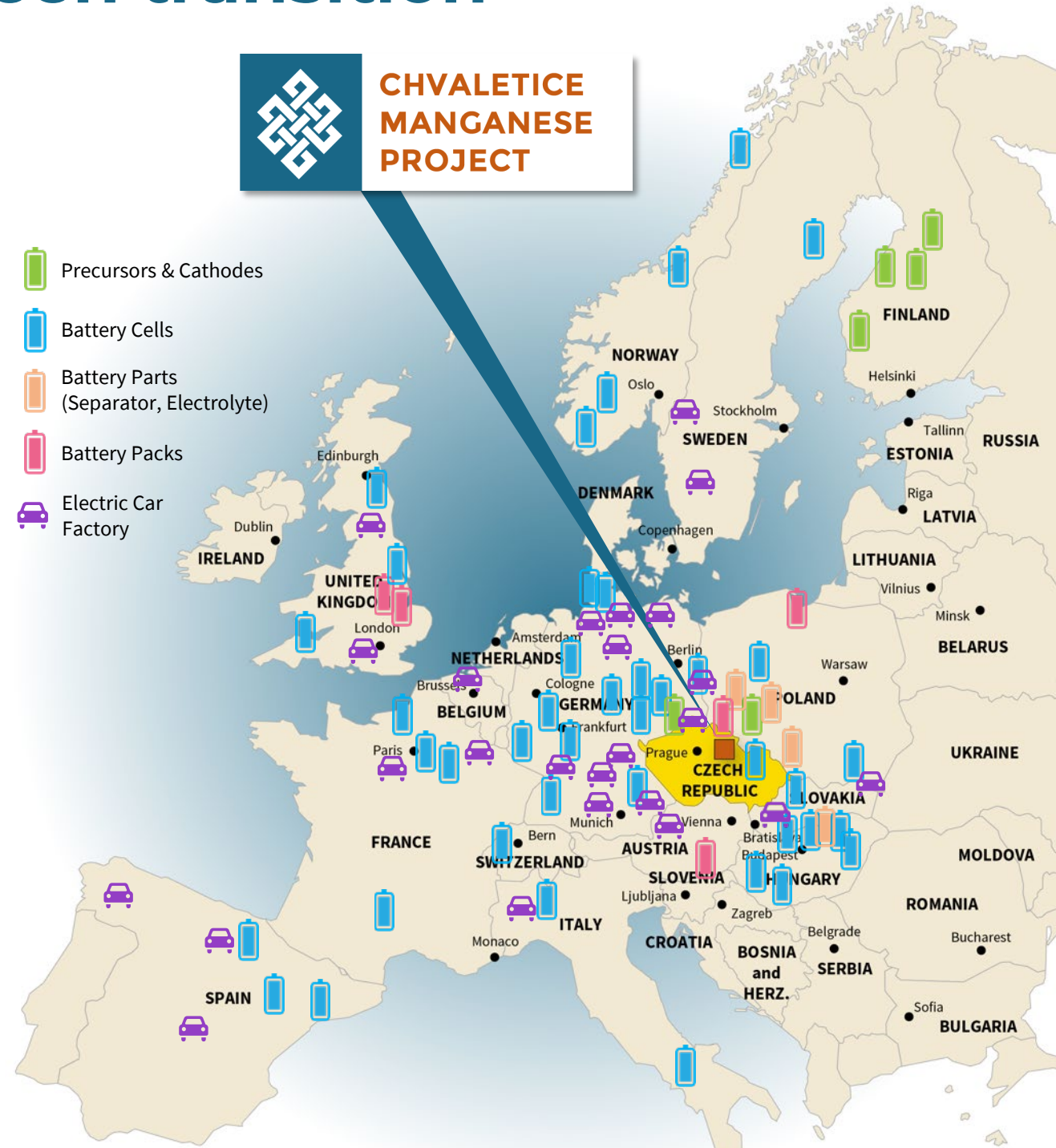
<b>BASF</b> NORNICKEL	<b>FINLAND</b> ~15 GWh
<b>Terrafame</b>	<b>FINLAND</b>
<b>umicore</b>	<b>FINLAND</b>
<b>JM</b>	<b>FINLAND</b>
<b>BASF</b>	<b>GERMANY</b>
<b>umicore</b>	<b>POLAND</b> ~30 GWh
<b>northvolt*</b>	<b>SWEDEN</b> 40 GWh
<b>FREYR</b> Renewable energy storage	<b>NORWAY</b> 2-32 GWh
<b>Panasonic</b>	<b>NORWAY</b>
<b>MORROW</b>	<b>NORWAY</b> 8-32 GWh
<b>BEYONDER</b>	<b>NORWAY</b> 10-20 GWh
<b>Envision AESC</b>	<b>UNITED KINGDOM</b> 9-25 GWh
<b>amte</b> BRITISHVOLT	<b>UNITED KINGDOM</b> 10-35 GWh
<b>amte</b>	<b>UNITED KINGDOM</b> 10-35 GWh
<b>LG화학</b>	<b>POLAND</b> 17-70 GWh
<b>Johnson Matthey*</b>	<b>POLAND</b> ~30 GWh
<b>SK innovation</b>	<b>HUNGARY</b> 7.5 GWh
<b>SK innovation</b>	<b>HUNGARY</b> 7.5 GWh
<b>SK innovation</b>	<b>HUNGARY</b>
<b>SAMSUNG</b> SAMSUNG SDI	<b>HUNGARY</b> 3-15 GWh
<b>EcoPro</b>	<b>HUNGARY</b>

<b>GSYUASA</b>	<b>HUNGARY</b>
<b>inoBat</b>	<b>SLOVAKIA</b> 10 GWh
<b>AAA Leclanché</b>	<b>SWITZERLAND</b> 1 GWh
<b>saft</b>	<b>FRANCE</b> 2 GWh
<b>saft</b> <b>PSA</b> GROUPE	<b>FRANCE</b> 32 GWh
<b>VERIKOR</b>	<b>FRANCE</b> 16-50 GWh
<b>AESC</b> <b>RENAULT</b>	<b>FRANCE</b> 9-24 GWh
<b>CATL</b>	<b>GERMANY</b> 60 GWh
<b>northvolt</b> <b>VW</b>	<b>GERMANY</b> 40 GWh
<b>FARASIS</b>	<b>GERMANY</b> 16 GWh
<b>Customcells</b>	<b>GERMANY</b> 1 GWh
<b>LIACON</b>	<b>GERMANY</b> 1 GWh
<b>VARTA</b>	<b>GERMANY</b> 10 GWh
<b>TERRAE</b>	<b>GERMANY</b> 34 GWh
<b>TESLA</b>	<b>GERMANY</b> ~20-40-250 GWh
<b>saft</b> <b>PSA</b> GROUPE	<b>GERMANY</b> 32 GWh
<b>Blackstone Resources</b>	<b>GERMANY</b>
<b>SVOLT</b>	<b>GERMANY</b> 6-24 GWh
<b>microvast</b>	<b>GERMANY</b> 8-12 GWh
<b>AAA Leclanché</b>	<b>GERMANY</b> 1-2.5 GWh

<b>FRAM</b>	<b>ITALY</b> 2.5-15 GWh
<b>ITALVOLT</b>	<b>ITALY</b> 70 GWh
<b>MES</b> MAGNA ENERGY STORAGE	<b>CZECHIA</b> 20 GWh
<b>SEAT</b>	<b>SPAIN</b>
<b>BASQUEVOLT</b> - NABATT	<b>SPAIN</b> 2-10 GWh
<b>BYD</b>	<b>TBD</b>
<b>VW</b>	<b>W. EUROPE</b> 40 GWh
<b>VW</b>	<b>E. EUROPE</b> 40 GWh
<b>VW</b>	<b>TBA</b> 40 GWh
<b>VW</b>	<b>TBA</b> 40 GWh
<b>northvolt</b> <b>VOLVO</b>	<b>TBA</b> ~50 GWh
<b>SK innovation</b>	<b>POLAND</b>
<b>HUALONG</b>	<b>POLAND</b>
<b>FOOSUNG</b>	<b>POLAND</b>
<b>TORAY</b>	<b>HUNGARY</b>
<b>northvolt</b>	<b>POLAND</b>
<b>Daimler</b>	<b>POLAND</b>
<b>SAMSUNG</b> SAMSUNG SDI	<b>AUSTRIA</b>
<b>Jaguar</b> <b>LAND-ROVER</b>	<b>UNITED KINGDOM</b>
<b>Hyperbat</b>	<b>UNITED KINGDOM</b>
<b>PSA</b> *	<b>SPAIN</b>
<b>PSA</b> *	<b>SPAIN</b>
<b>PSA</b> *	<b>SLOVAKIA</b>

## CHVALETICE MANGANESE PROJECT

- Precursors & Cathodes
- Battery Cells
- Battery Parts (Separator, Electrolyte)
- Battery Packs
- Electric Car Factory



Europe is becoming a global hub for EV and battery production

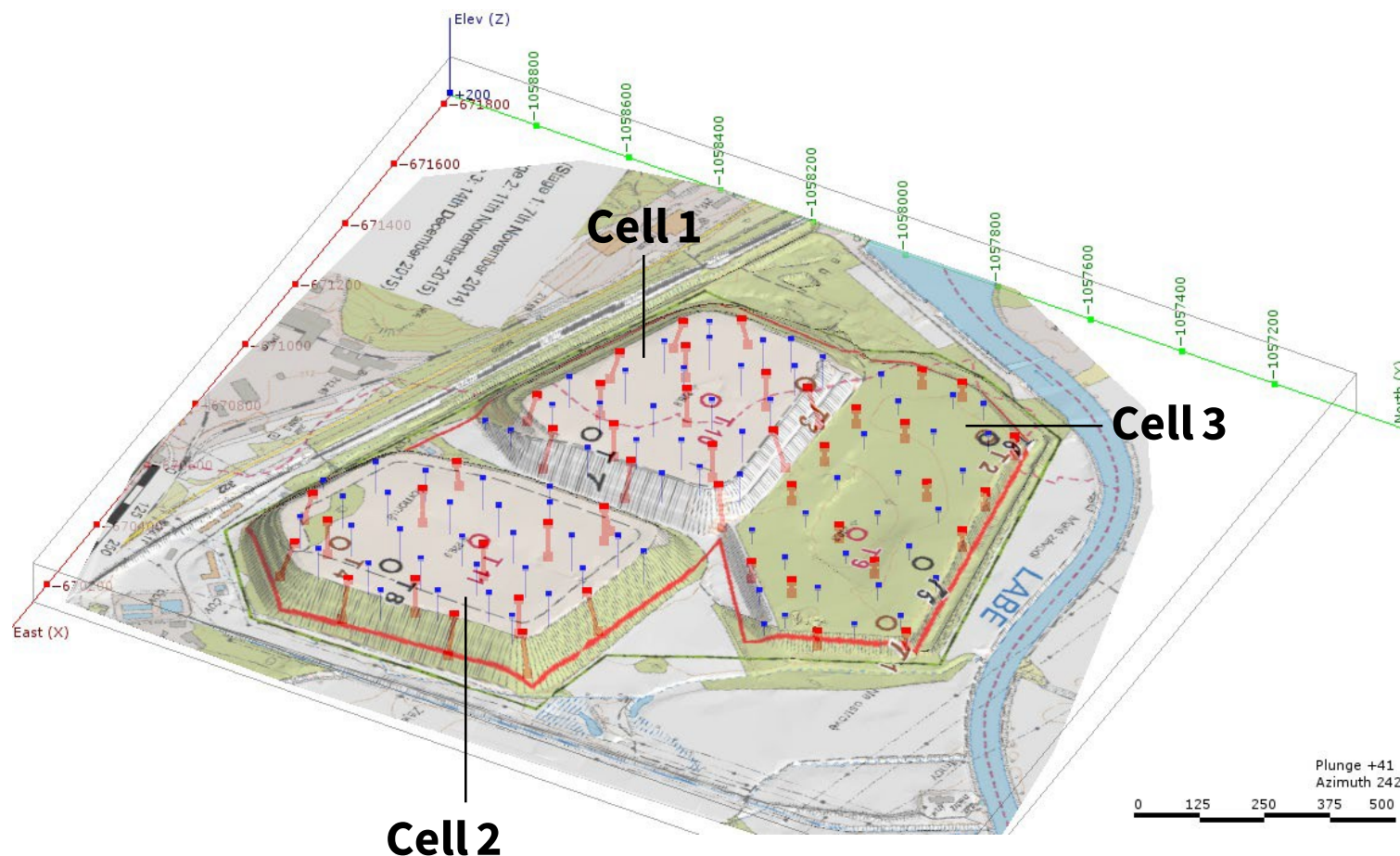
\*PSA Group: Citroën, DS, Opel, Peugeot and Vauxhall

\*Vertically integrated precursor/cathode and cell production

Source: Cairn Energy Research Advisors and CPM Group ©2021

# Fully drilled resource

## 2017-2018 DRILL PROGRAM



- 2017 drill holes
- 2018 drill holes

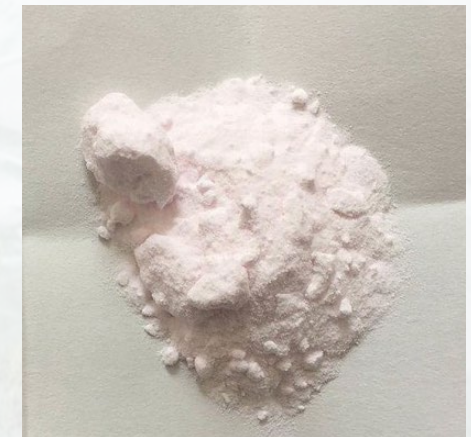
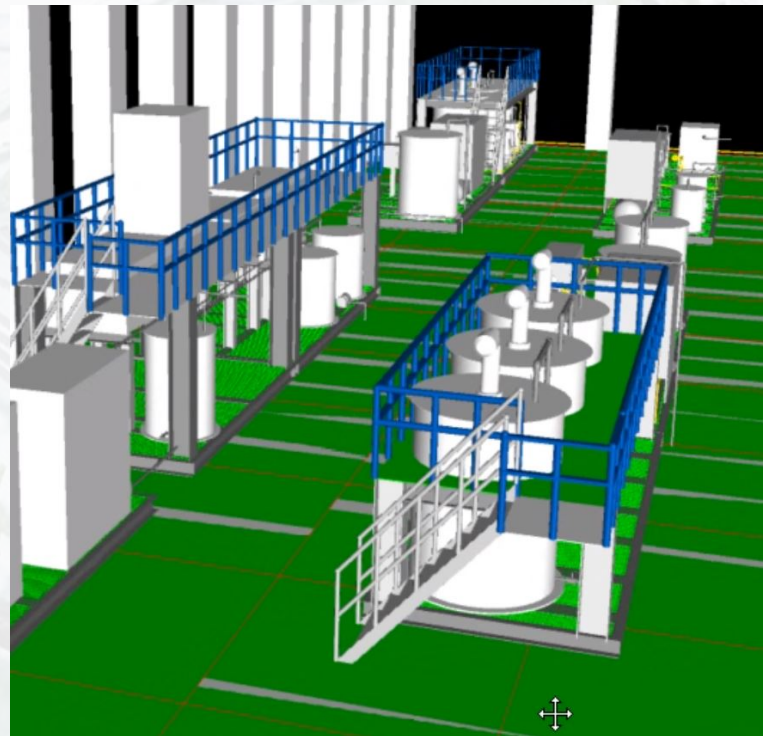
- ➔ 160-hole 2017-2018 sonic and auger drill program upgraded the resource estimate to a Measured and Indicated Status (**98.3% of the resource classified as Measured under NI 43:101/JORC 2012**)
- ➔ **Easily treated carbonate tailings** - cost and environmental advantages
- ➔ **Resource model** forms reliable basis for tailings extraction plan and **robust project economics**
- ➔ Representative bulk samples collected with drill rig supported **extensive 2018/2019 metallurgical test work and process design studies**
- ➔ **Test mining program** planned for 2022 in the context of Demonstration Plant development



# Robust process flow sheet

## Using proven, conventional and commercial technologies

High quality product assurance, flexible, efficient and clean



Opportunities for additional value-added products



# Advanced stage of development

- ➔ **Chvaletice Manganese Project proceeding well**
- ➔ **Resource completely drilled.** Over 98% classified as Measured under JORC/NI 43-101
- ➔ **Extensive metallurgical testing and engineering:** Conducted by world-leading firms with deep HPM experience. Confirmed that deposit is ideally suited to produce exceptional quality HPM, using proven, commercial technologies.
- ➔ Current work focused on **completion of definitive feasibility study, fabrication and construction of Demonstration Plant and completion of permitting process**
- ➔ **Demonstration Plant will produce large-scale, finished product samples** replicating the same process as the proposed commercial plant – Start-up Q2 2022
- ➔ Following discussions with prospective customers, **original pilot plant is being restarted** to produce small product samples, **helping to accelerate offtaker supply-chain qualification process**
- ➔ **Ongoing discussions and negotiations with several potential customers, including cathode, battery and automotive companies**





# Environmental permitting is on track

- ➔ **Six-month screening of preliminary Environmental Impact Assessment completed in late 2020**
  - **Project greenlighted to proceed to Final Environmental and Social Impact Assessment (ESIA)** – the conclusion of four years of environmental baseline and impact studies, process design and engineering
  - **Stakeholder input was positive and constructive**, and will be incorporated into Final ESIA, targeted for completion in early 2022
- ➔ **Recent extension of exploration licenses and preliminary mining permit to 2026.**
  - Permitting agencies consulted with local communities, and there were **no objections to the granting of these rights**
  - **Supportive permitting decisions represent a continued vote of confidence by Czech regulators and local communities** in Euro Manganese's Chvaletice development plans





# Progressive environmental practices

- ➔ Governance focused on achieving **social and environmental excellence**
- ➔ After Mn extraction, **tailings will be washed and neutralized**, dry-stacked gradually on impermeable membranes, capped and progressively **revegetated for long-term, productive community use**
- ➔ Evaluating options to purchase **renewable and CO2-free power**, further reducing an already small environmental footprint
- ➔ Design includes **capture and re-use of CO2 and hydrogen** process emissions, as well as **reagent regeneration and recycling**
- ➔ All process water will be re-used in a **continuous, sustainable closed-cycle. Zero effluent**
- ➔ **Zero use of fresh water.** Process will use only existing contaminated and/or industrial wastewater
- ➔ **Highly consultative approach** – Meaningful community engagement





# Highly experienced management team

- ➔ **Solid multidisciplinary team with proven development experience** and award-winning track record of excellence in environmental and social practices
- ➔ **Management team and directors are company builders** with extensive experience in corporate finance and project development
- ➔ **Rare in-house HPM production experience**
- ➔ **World-leading HPM technology, plant design and construction expertise secured**
- ➔ **Management team and directors are significant and supportive shareholders**





# EMN strategic advantages

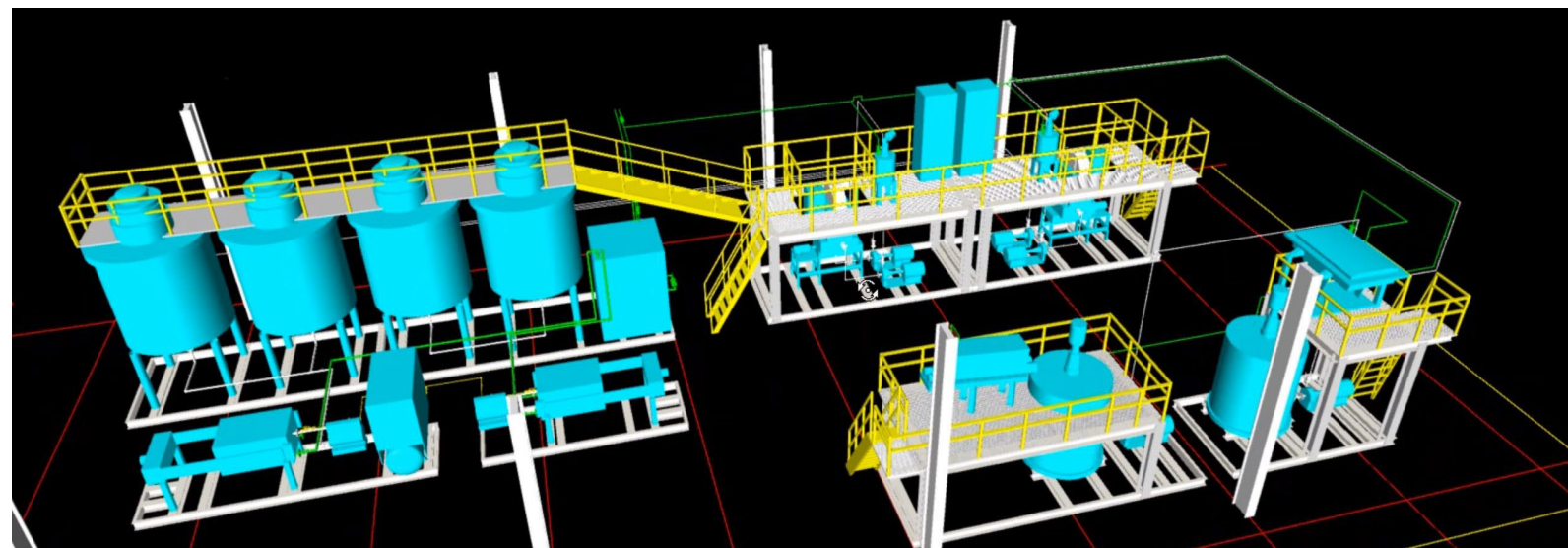
- ➔ Expected to be **Europe's only primary producer** of high-purity manganese products
- ➔ **EMN is well funded** for completion of all site and technical work required for a final investment decision expected in 2022
- ➔ Project has **support of EU-backed organization EIT InnoEnergy**, with assistance in securing financing and offtake agreements
- ➔ **Strong project support from local community and government**
- ➔ **Unique status as a recycling project** with local and global environmental benefits
- ➔ **ESG focus: the ideal way to invest and participate in growth of high-purity manganese market**



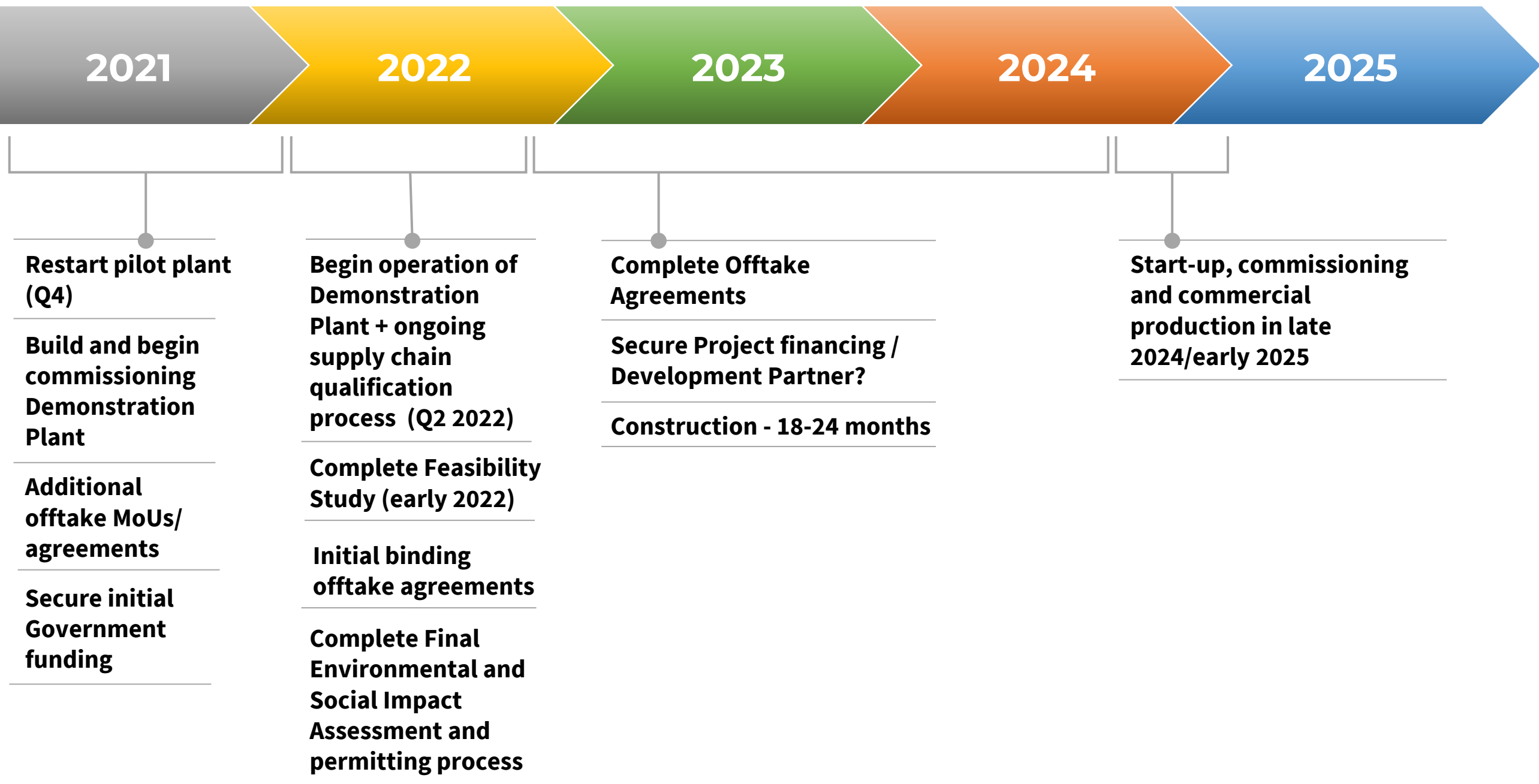


# Potential upside outside of PEA scope

- ➔ **Commercial plant could potentially be expanded** to satisfy growing HPM demand, or adapted to produce new value-added manganese specialty products to seize emerging market opportunities
- ➔ **Circular economy opportunity:** Upgrading impure manganese products from lithium-ion battery recycling back to battery-grade
- ➔ **EMN could leverage its expertise as a potential partner/developer** of other manganese development projects or battery material recycling projects in Europe or globally



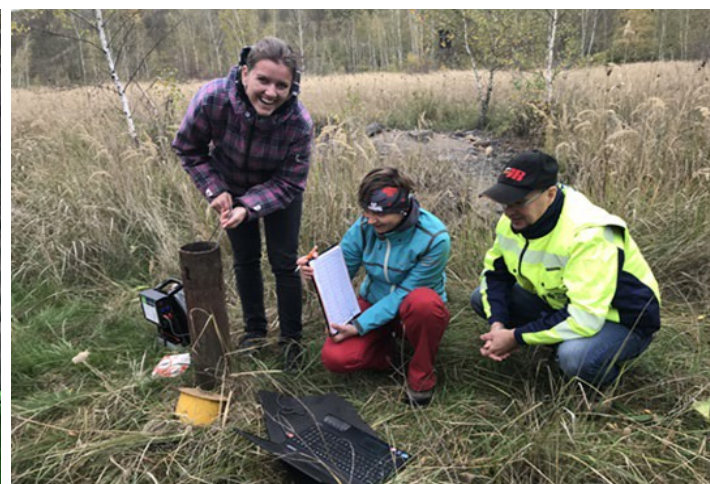
# Anticipated catalysts







# Thank You!



**Euro  
Manganese  
Inc.**

EMN on ASX and TSXV; EUMNF on OTCQX

**Marco A. Romero** | President & CEO | Tel: +1-604-681-1010 x 101  
#709 – 700 West Pender Street | Vancouver, BC Canada V6C 1G8

[info@Mn25.ca](mailto:info@Mn25.ca) | [www.Mn25.ca](http://www.Mn25.ca)





# APPENDICES





# 2018 NI 43-101 / JORC Resource Estimate

Updated Resource Estimate NI 43:101/JORC 2012 Resource Estimate included in Technical Report dated March 15, 2019 by Tetra Tech Canada Inc.

## Chvaletice Mineral Resource Statement, Effective Date December 8, 2018\*

Tailings Cell #	Classification	Volume (m <sup>3</sup> )	Tonnage (MT)	Dry In-situ Bulk Density (t/m <sup>3</sup> )	Total Mn (%)	Soluble Mn (%)
#1	MEASURED	6,577,000	10,029,000	1.52	7.95	6.49
	INDICATED	160,000	236,000	1.47	8.35	6.67
#2	MEASURED	7,990,000	12,201,000	1.53	6.79	5.42
	INDICATED	123,000	189,000	1.55	7.22	5.30
#3	MEASURED	2,942,000	4,265,000	1.45	7.35	5.63
	INDICATED	27,000	39,000	1.45	7.90	5.89
TOTAL	MEASURED	17,509,000	26,496,000	1.51	7.32	5.86
	INDICATED	309,000	464,000	1.50	7.85	6.05
COMBINED	M&I	17,818,000	26,960,000	1.51	7.33	5.86

### → 2017 – 2018: 160-hole drilling program findings

- Manganese is for the most part evenly distributed through the entire tailings deposit
- Finely milled, unconsolidated tailings placed above ground expected to result in very low mining and virtually zero ore dressing costs
- **~80% of manganese is contained in easily leachable manganese carbonate minerals** that require no calcination or chemical reduction prior to leaching, unlike manganese oxide ores
- 98.3% of Chvaletice resource is now classified in Measured category

\* Resources are not to be considered reserves and their economic viability has not been proven or confirmed.



# Leadership team: Canada



**Marco Romero**

**PRESIDENT & CEO,  
FOUNDER & DIRECTOR**

- 42 years of diversified international experience in mining and construction material industries
- Company builder and co-founder of several Canadian enterprises including Eldorado Gold, Polaris Materials, Delta Gold and Euro Manganese
- Recipient of several international, national and regional awards for achievements in corporate social responsibility and environmental excellence
- CEO transition plan announced in June 2021. Will assume new role with focus on growth.



**Martina Blahova**

**CHIEF FINANCIAL OFFICER**

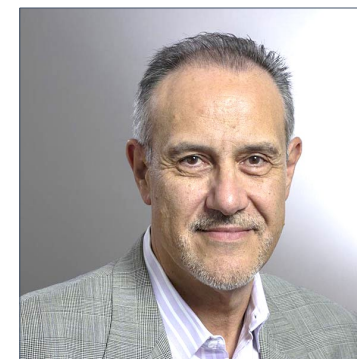
- 20 years of experience in finance; including public practice with PricewaterhouseCoopers and Ernst & Young in the Czech Republic and UK
- Previously corporate controller at Euro Manganese Inc.
- Held senior roles in automotive and mining industry, including Manager of Financial Reporting at SSR Mining Inc. and FP&A manager for KS Kolbenschmidt Inc., a Czech subsidiary of the Rheinmetall Group AG
- Qualified as a CPA, CGA (Canada) and as an ACCA (UK) and holds a Master's Degree in International Business



**Andrea Zaradic**

**VICE PRESIDENT OPERATIONS**

- 30 years of experience in corporate, project and business development, focused on mining and renewable energy throughout the Americas, Africa, Asia and Europe
- Held numerous senior roles including: President & CEO of Northair Silver; Program Manager for Ballard Power; VP Operations and Development for Magma Energy Corp.; Manager of Infrastructure Devel. for Canico Resource.; and Construction and Senior Process Oper. Eng. for BHP
- Serves on the board of Kootenay Silver, and as Technical Advisor to Northleaf Capital
- Holds a M.A.Sc degree in mechanical engineering and is a registered Professional Engineer in the Provinces of BC and Ontario



**Fausto Taddei**

**VP CORPORATE DEVELOPMENT &  
CORPORATE SECRETARY**

- Over 35 years of public resource company experience with development and operating entities involved in precious and base metals, and metallurgical coal. Senior level experience in multiple mining operations, financing, treasury functions, off-take arrangements, tax planning and public company reporting and governance matters
- Held Senior VP & CFO positions with Nevsun Resources Ltd., Aura Minerals Inc. and Western Canadian Coal Corp.
- Qualified as a CPA (CA) in 1985



**Thomas Glück**

**CHIEF TECHNOLOGY OFFICER**

- 40 years of experience in the successful development and operation of laboratories and production facilities including manufacture of electrolytic manganese metal and associated manganese products, as well as many other industrial materials and products
- Has held leadership roles for the world's leading producer of high purity, selenium-free, electrolytic manganese metal
- Holds a PhD in Chemical Engineering



# Leadership team: Europe



**Jan Votava**

**MANAGING DIRECTOR OF  
MANGAN CHVALETICE S.R.O**

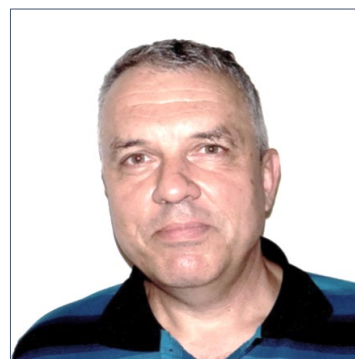
- Engineer with 19 years experience as an executive leader in the Czech Republic
- Responsible for leading Euro Manganese's subsidiary in the Czech Republic, the company's organizational and reputational development, as well as project permitting and development
- Previously held roles as Head of Transformation Team for Europe, Technical Director for Central Europe, and Executive Chairman and Managing Director for the Czech Republic for Lafarge Holcim
- Holds a doctorate in mechanical engineering



**Wenling Sun**

**STRATEGIC DIRECTOR,  
CHINA**

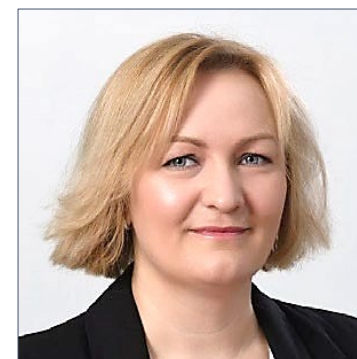
- Highly experienced mining industry professional with 19-year track record in China in mining project development, metals trading, pricing, trade structure, project management and financing
- Ran consulting practice, advising international clients on procurement of Chinese technology, equipment and services
- Managed development of first bio-heap copper and nickel leaching projects in China. Played a key role in several international mine and plant developments
- Holds a Masters degree in Economics from Renmin University



**Tomas Hochmann**

**TECHNICAL DIRECTOR**

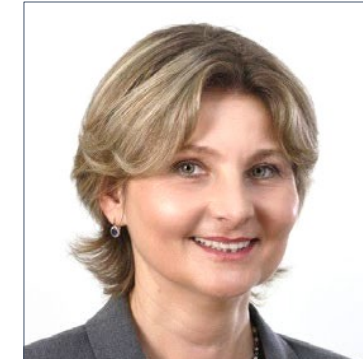
- Started career in basic petrochemistry research leading to a PhD in Chemical Engineering. Worked in applied research and development for petrochemical and pharmaceutical companies
- 20 years in cement industry working in cement plants in the Czech republic, Bosnia, Libya, Serbia, Venezuela and Canada – responsible for process development and optimization, plant operations, strategy and maintenance, investment planning and construction management, quality control and quarries operation
- Led technical training of young engineers, troubleshooting and start-ups in cement plants



**Blanca Dobrkovská**

**ENVIRONMENTAL MANAGER**

- Engineer of Environmental Science and Ecology
- Over 15 years of experience in environmental management and permitting
- Environmental planning and compliance experience in various industries (Prague Airport, Nuclear Research Centre and CEMEX s.r.o.) as well as experience with remediation activities (DEKONTA)
- Holds a MSc. at Wageningen University, Netherlands and Engineering degree at Czech Agricultural University



**Lucie Jaremová**

**PROCUREMENT OFFICER**

- Supply Chain Professional. Background in purchasing, logistics, strategic sourcing, planning and materials management with over 20 years' experience in the chemical industry
- Held positions in multinational chemical company, including Purchasing Manager for European plants; participated in projects in India, China, United Arab Emirates and Brazil
- Holds a degree in Economics from the Czech Technical University of Transport and Communication



# Independent directors



**John Webster**

**CHAIRMAN & DIRECTOR**

- Senior finance professional who spent over 30 years with PricewaterhouseCoopers until his retirement in 2014
- Roles included British Columbia Managing Partner, three years as Assurance Leader in Romania and head of the firm's mining practice in Canada
- Extensive experience as audit partner and advising private and listed clients
- Director of Eldorado Gold Corporation



**David Dreisinger**

**DIRECTOR**

- Professor and Chair of the Industrial Research Chair in Hydrometallurgy at UBC
- Published over 300 papers and inventor in 24 U.S. patents for work in hydro-metallurgical research
- Active international consultancy for development of major hydrometallurgical projects and plants (Sepon (Laos), Mt. Gordon (Australia), Boleo (Mexico))
- Current corporate roles as director and/or officer with Search Minerals, Polymet, Cascadero Copper and Lead FX



**Tom Stepien**

**DIRECTOR**

- CEO of Primus Power, a battery storage company headquartered in California's Silicon Valley
- Tom has over 30 years of hi-tech management, operations and engineering experience at small and large companies
- Prior to co-founding Primus, he was a VP at semiconductor equipment manufacturer Applied Materials
- He holds a BS and MS in Mechanical Engineering from the Massachusetts Institute of Technology, is a co-inventor on numerous patents, and a frequent speaker at energy conferences
- He brings an international entrepreneurial and technical perspective, having led diverse teams in several countries



**Gregory Martyr**

**DIRECTOR**

- Over 30 years of experience in resources investment banking and corporate finance, and international resource and mining company management, with a background of law and accounting
- Former Managing Director with Standard Chartered Bank, ultimately as the Global Head of Advisory, Mining and Metals
- Previously a partner with Gryphon Partners and held several executive roles with Normandy Mining Ltd.
- Chairman of Capital Metals plc
- Executive Director, Clean Barrow Pty. Ltd.