manganese
X Energy Corp

INVESTING
IN THE EV FUTURE

Manganese X Mission

To become the first publicly traded mining company in Canada and the US to commercialize high-purity EV-compliant manganese

FSE: 9SC TRADEGATE: 9SC TXSV: MN OTCQB: MNXXF

DISCLAIMER

Certain statements in this presentation are forward-looking statements which may include, but are not limited to, statements with respect to the future financial or operating performance of Manganese X Energy Corp. and its projects, the market conditions, business strategy, corporate plans, objectives and goals, the estimates of the timing, cost, nature and results of corporate plans, the strategy for the development of Manganese X Energy's property and regulatory matters. Forward-looking statements involve known and unknown risks, uncertainties, assumptions and other factors that may cause the actual results, performance or achievements of Manganese X Energy Corp. to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Forward-looking statements address future events and conditions and therefore involve inherent risks and uncertainties. Although Manganese X Energy Corp. believes that such expectations are reasonable, there can be no assurance that such expectations will prove to be correct, and therefore actual results may differ materially from those currently anticipated in such statements. You are cautioned not to place undue reliance on any such forward-looking statements, whether made in this presentation or in any question-and-answer period related to this presentation.

STRATEGIC INVESTOR

CEO Martin Kepman outlined the Company's strategic vision, emphasizing a pivotal $2,000,000 investment from Mr. Eric Sprott.

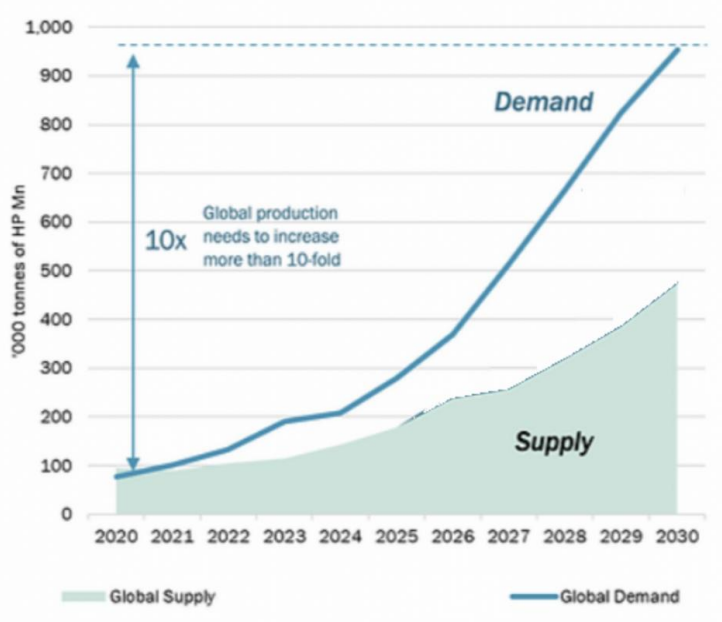
This investment positions Mr. Sprott as a Strategic Investor with Manganese X Energy Corp. and has received widespread support from shareholders and the public.

Kepman stated, "We welcome Eric Sprott to the Manganese X family. His expertise and significant investment will enhance our financial stability, accelerate progress on the upcoming pre-feasibility study, and open doors to licensing and technology opportunities".

High Purity Manganese Supply & Demand

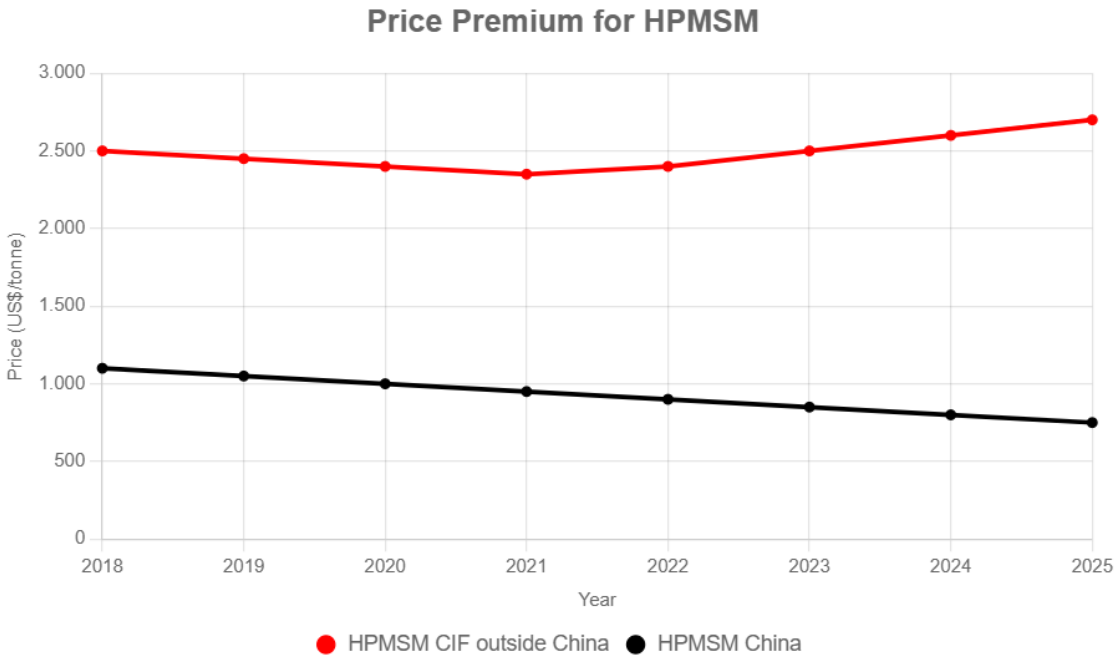
Global High Purity Manganese Demand will increase by tenfold to 2030

Manganese is becoming the EV critical mineral of choice, less expensive to process, provides greater energy, density, larger life-cycles



China produces over **90%** of the world's high purity electrolytic Manganese metal (HPEMM) and high purity Manganese sulphate monohydrate (HPMSM)

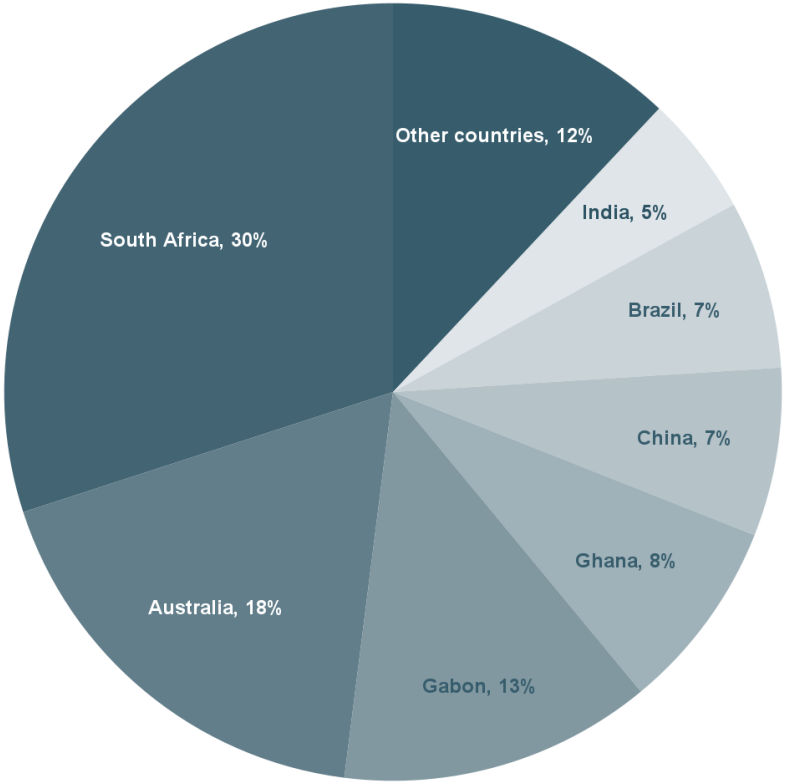
Price Premium for HPMSM



Non-Chinese supply is expected to retain a market premium over Chinese supply.

To incentivize new high-grade manganese production outside China, prices near or above US $2,500/tonne are needed.

NORTH AMERICA IS DEPENDENT ON MANGANESE IMPORTS



Presently, there is no manganese mining production in the United States or Canada. Manganese ore production is dominated by South Africa, with over a third of the total, followed closely by Australia and China

Manganese X Energy has the potential to become **North America's most significant supplier of manganese** products for the North American and European markets

WHY MANGANESE X IS A GOOD INVESTMENT

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- We have developed an economical cost-saving, game changing High Purity Manganese extraction process patent-pending technology
- Our $MnSO_4$ is 99.95% pure, contains few impurities and is free of selenium, which is highly toxic to batteries
- We are one of the few manganese Companies presently having our high purity manganese pre-tested and pre-qualified at the moment
- There is currently no production of manganese in North America
- Our Manganese is a carbonate ore and is much more environmentally friendly than a manganese oxide ore
- We have one of the largest manganese carbonate deposits in North America and it's strategically located 12 km from the U.S. (Maine) border
- Completed our robust economic PEA and our metallurgical pilot project
- We are now proceeding to initiate our Pre-Feasibility Study which will take place in the third Quarter 2025

New EV Trends

By 2026, the EV battery revolution is expected to take off in North America, with major automakers embracing this new battery technology. Fewer transmissions and no oil changes will make EVs even more attractive to consumers.

EV Battery advancements: Chinese automakers, including BYD, now have batteries with 1,000 km range and <5 min recharge time. US and European EV makers are following the trend to achieve this holy grail.

Growing demand: Higher battery metal content means increased manganese usage.

Energy storage: Beyond EVs, manganese plays a critical role in high-density batteries for wind and solar energy storage-an even faster-growing market.

Most Important Battery Chemistries: LMFP and LMR (60% HPMSM)

LMFP (Lithium Manganese Iron Phosphate) and **LMR** (Lithium Manganese Rich) are now becoming the most prominent chemistries. LMFP and LMR are advanced battery chemistries increasingly used in electric vehicles for their high manganese content, which reduces reliance on costly materials like nickel and cobalt.

LMFP (Lithium Manganese Iron Phosphate) combines LFP's safety with manganese's energy boost.
It offers better performance, longer life, and strong thermal stability—ideal for EVs and energy storage.

LMR (Lithium Manganese-Rich) delivers high energy density and safety using a mix of lithium, manganese, nickel, and cobalt. It suits EVs and grid storage but needs improvement to reduce voltage fade.

Higher Manganese Content In EV Battery Chemistry (60% HPMSM)

CATL & Tesla

- Mass production of LMFP began in 2022
- Tesla validated use in 2024

Improved battery packs which is now drastically improving driving range and rechargeability time :

Gotion

- 2023: Announced its LMFP L600 cell, which boasts a range of up to 1,000km recharging in 3-5 minutes

BYD

- August 2024: Introduced improved LMFP technology to include driving range over 1,000km recharging in 3-5 minutes

Ford

- April 2025: Announced delivering a game-changing LMR cell. Integration into its vehicle lineup before 2030

GM

- May 2025: Plan to deploy LMR cells by 2028
- Approximately 60% manganese content in cathode

MANGANESE X ENERGY VALUE PROPOSITION

Strategically Located and One of the Largest NA Deposits

The Battery Hill manganese deposit is one of the largest manganese carbonate deposits in North America. Strategically located in New Brunswick, Canada, with proximity to North America and Europe's top consumer of manganese

Simple Metallurgical Process

Battery Hill carbonate ore is easily leachable, allowing for direct production of high-purity battery - grade manganese sulphate

Potential for Large Resource and Multiple Products

Battery Hill project mineral resource estimate consists of 34.86 million tonnes of measured and indicated mineral resources grading 6.42% manganese plus an additional 25.91 million tonnes of inferred mineral resources grading 6.66% manganese utilizing a 2.5%manganese cut-off grade that reflects total operating costs having reasonable prospects for economic extraction.

Sensitivity analysis of the Battery Hill deposit to cut-off grade indicates 12.25 million tonnes of measured and indicated mineral resources at 8.77% manganese and 10.61 million tonnes of inferred mineral resources grading 9.05% manganese utilizing a cut-off grade of 7% manganese

Great Upside at Lower Risk

Kemetco's metallurgical research projects have yielded economic results and state of the art technology that has resulted in the advancement of our published PEA and moving forward into our Pre-Feasibility Study in the second quarter 2025.

Our processing costs are extremely economical

In Collaboration with Downstream Players

The company has signed collaboration agreements with ev makers, OEM's and cathode materials producer

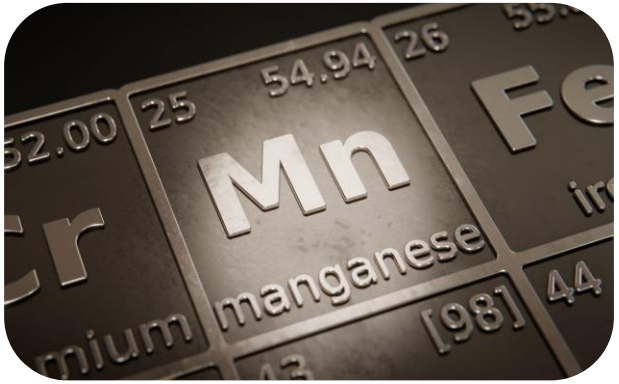
WHAT MAKES US SO SPECIAL?

- The cathode (40-60% battery cost) is the energy source of the lithium-ion battery. It has the greatest impact on battery performance, safety and price. Our high-purity manganese sulphate monohydrate (HPMSM) is a key constituent to the cathode
- Developed selenium free cost-saving, economical and game changing High Purity Manganese extraction process patent-pending technology
- One of the largest MN carbonate deposits in North America which will supply HPMSM to the Battery Supply Chain
- Successfully completed a PEA with robust economics, fast-tracking directly into completion of plant pilot project and pre-feasibility study
- Pursue negotiations with multi-national companies to explore future development and sales of our value-added manganese materials to the North American markets

BATTERY MINERALS AND TECHNOLOGY ASSETS

Primary Corporate Assets

★ Flagship Asset - Battery Hill Manganese Deposit (47 year mine life based on PEA)



Innovative patent pending purification technology Process

★ High Purity Manganese extraction processing technology in progress

★ Compatible with current and developing EV battery chemistries

BATTERY HILL
Responsible and Ethical Source of Manganese

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- The Battery Hill project consists of 55 claims totaling 1228 hectares located in New Brunswick
- It encompasses all or part of five Manganese zones, Iron Ore Hill, Moody Hill, Sharpe Farm, Maple Hill and Wakefield
- The deposits have excellent location, being approximately 5 km northwest of the town of Woodstock and are easily accessible from the Trans-Canada highway via all-weather roads
- It is strategically situated 12 kilometres from the US (Maine) border, near existing power transmission lines, railway and road access that provide suitable transport to major shipping lanes on the Atlantic Ocean and Saint Lawrence Seaway

BATTERY HILL Manganese Mineral Deposit

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PEA

- Recent PEA produced by WOOD PLC. determined robust economics and commercial viability

Pre-feasibility drill program

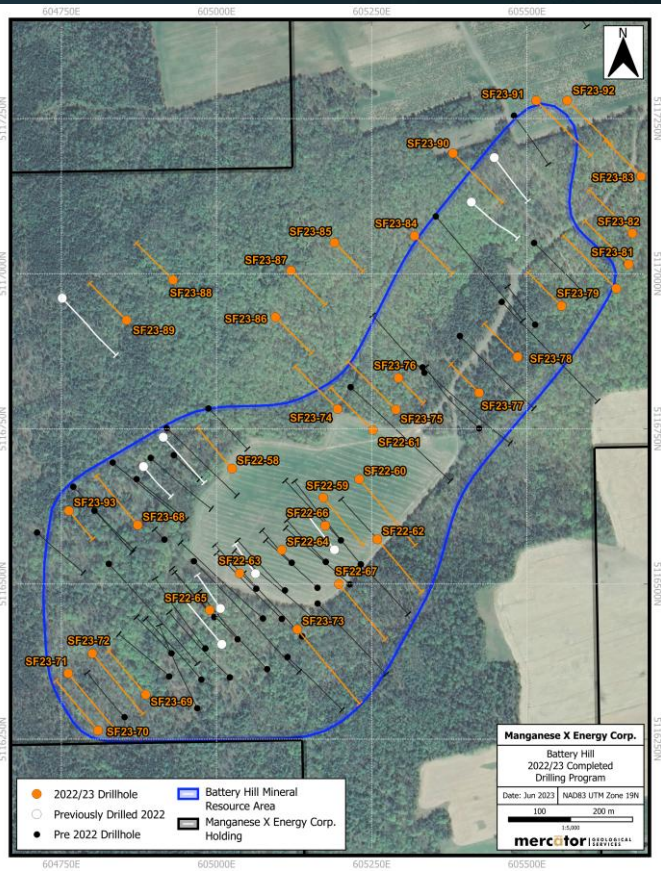
- Completed Battery Hill infill and step-out drilling program, consisted of **52 drill holes** totalling **6400m** which will expand measured and indicated resources in preparation of upcoming pre-feasibility study **(3rd quarter 2025; 120 drill holes 15000m)**

Annual Production (PEA)

- 47 years of production with average production approximately of 68,000 tonnes HPMSM with potential for expansion

Mineral Resource

- Sensitivity analysis of Battery Hill deposit to cut-off grade indicates 12.25 million tonnes of measured and indicated mineral resources at 8.77% manganese and 10.61 million tonnes of inferred mineral resources grading 9.05% manganese, utilizing a cut-off grade of 7% manganese



PEA HIGHLIGHTS:

Robust Economics

- NPV (10% discount rate): **USD486 million**
- **25% internal rate of return** (“IRP”)
- Capital costs (“CAPEX”) of **USD350 million** with a **payback of 2.8 years**
- Average annual gross revenue of **USD177 million** per year over the **47 years Project life**
- Life of mine (“LOM”) operating cost (“OPEX”) of **USD122/t** material processed

HPMSM Market Price

- Base case market price of **USD2,900/t** for battery-grade high-purity manganese sulphate (“HPMSM”) is well below the long-term forecast price of **USD4,200/t** HPMSM estimated by CPM Group

Project Objectives

- High Purity Manganese Plant Pilot Project and drill program completed advancing towards pre-feasibility study (3rd quarter 2025)

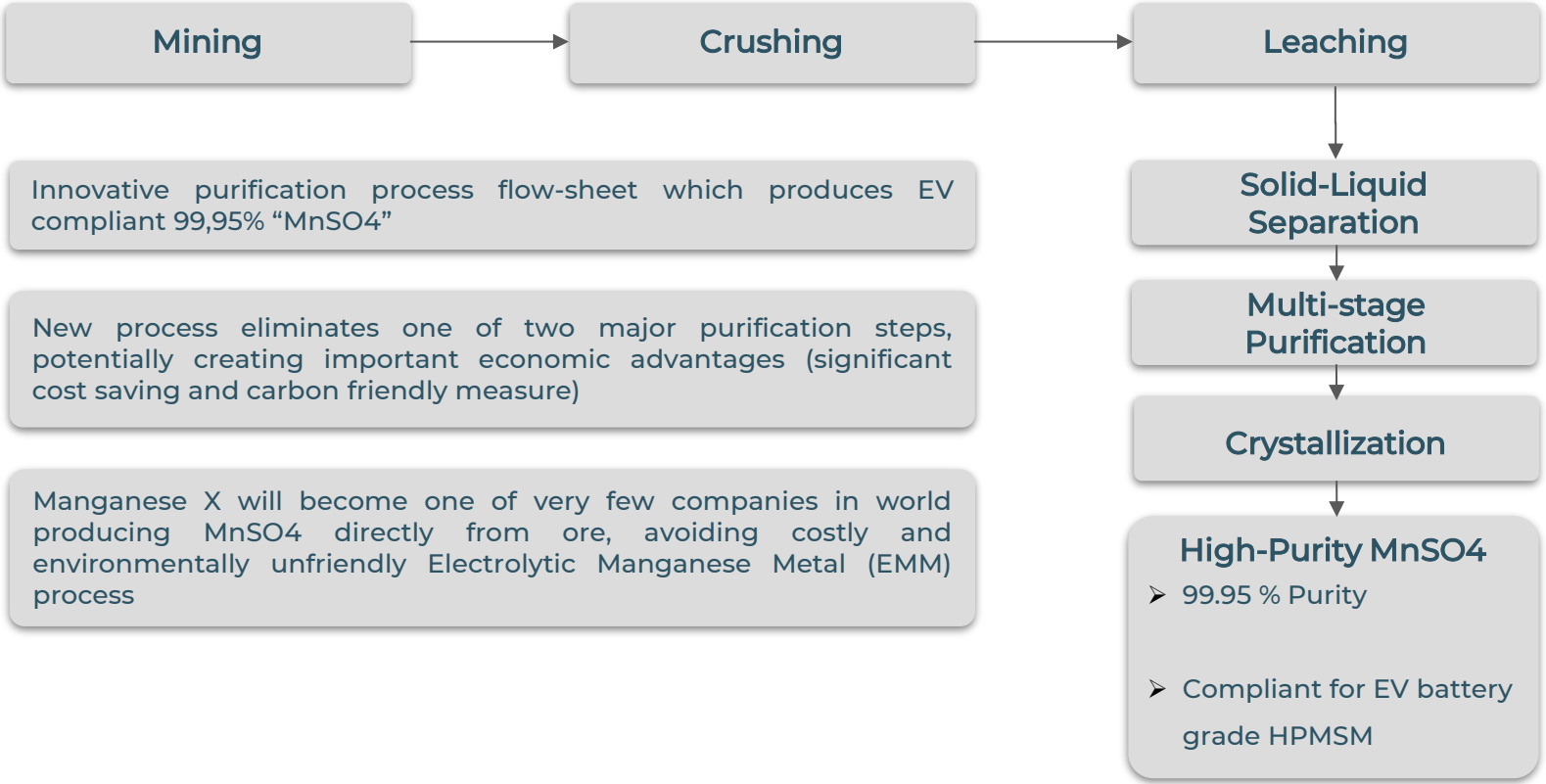
Long Mine Life

- Potential to expand production. If market is there, can double production to meet the demand
- **40-year mine production life** and seven years of stockpile reclaim feed
- Total LOM production of **3.2 million tonnes** of HPMSM
- Average annual HPMSM production of **68,000 tonnes** over LOM
- Average annual HPMSM production of **84,000 tonnes** in first seven years of production

Low Environmental Impact

- **No risk of acid drainage**
- **No tailings pond (dry stacking)**

Innovative purification technology process flow-sheet (Ore to final product)



Innovative purification process flow-sheet which produces EV compliant 99,95% “MnSO4”

New process eliminates one of two major purification steps, potentially creating important economic advantages (significant cost saving and carbon friendly measure)

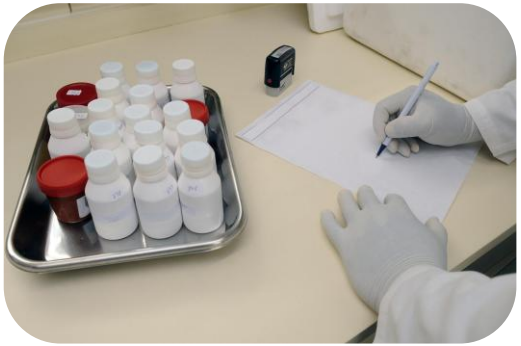
Manganese X will become one of very few companies in world producing MnSO4 directly from ore, avoiding costly and environmentally unfriendly Electrolytic Manganese Metal (EMM) process

Eliminating Major EMM Standard Processes

- The EMM production process requires excessive electrical costs for electroplating and electrowinning and is not environmentally friendly. In addition, it must be then converted to a HPMSM end-product before EV battery production

- All contaminant levels, including calcium and magnesium, are below 100 parts per million, a crucial threshold level for battery-grade HPMSM

- High purity final product contains no selenium, considered a toxic pollutant and yet utilized by some of the existing HPMSM producers worldwide to reduce their costs of production

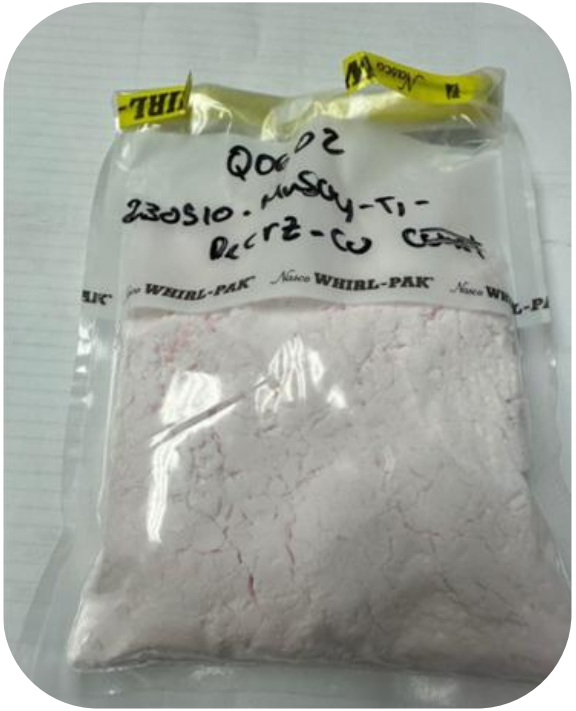


Pilot Plant Project completed

Completed plant pilot project 4th quarter 2024 produced HPMSM EV compliant samples on larger and economic scale validating our technology.

Independent 3rd party lab validation of compliant purity levels for EV battery chemistry

HPMSM samples from plant pilot project are being tested and evaluated for the EV cathode for the pre-approval and pre-qualification processes (C4V)



Battery Hill is an ESG Responsible Green Energy Project
Our Vision is to be a Leading Environmentally Responsible Producer

- Our Vision is to be the leading environmentally responsible producer of High Purity Manganese for the North American EV battery industry
- To help create a cleaner world by enabling the green energy transition needed
- **Deliver a sustainable, secure and traceable supply for North America.** Currently no manganese mines in North America. The developing country mines have issues: environmentally damaging, human rights issues, sustainability concerns, etc.
- Potential to integrate renewable energy methods to further reduce sustainability metrics

Life Cycle Assessment (LCA) of the Battery Hill Manganese Project

- ✓ Project aims are to provide an indication of the environmental impact of production of high-purity manganese sulphate monohydrate (HPMSM) by Manganese X Energy from the Battery Hill Site
- ✓ **Mine to market carbon footprint of Battery Hill HPMSM to be established by MINVIRO**
- ✓ Will assist in project development and highlight the environmental hotspots where mitigation opportunities and potential improvements will be most impactful
- ✓ Will be an ISO-compliant (ISO-14040/14044) LCA report
- ✓ The LCA will be based on the most recent design/engineering data available and the preliminary economic assessment (PEA)

MANGANESE X ENERGY Signs MOU With US Battery Technology Leader C4V

- We signed a non-binding Memorandum of Understanding (MOU) with US battery technology leader C4V, leading to a potential offtake deal
- This MOU is based on the potential supply of Electric Vehicle (EV) compliant High Purity Manganese Sulfate Monohydrate (HPMSM), a sample of which is currently being pre-qualified by C4V for its Gigafactory joint ventures
- C4V is a U.S. battery technology company and a global leader in renewable battery technology, as well as involved in some of the world's largest Gigafactory developments, including C4V's Gigafactory in the United States
- This is a significant step in our mission to become a sustainable and reliable North American supplier of HPMSM and could even potentially lead to being a worldwide supplier. Through this MOU, we can ensure our HPMSM meets C4V specifications with the goal of progressing towards a binding offtake deal for our Battery Hill manganese
- C4V is finalizing phase 2 (75% completed) of 3 for the prequalification process, that of a more stringent validation to determine if Manganese X's sample meets standards required for long cycling performance and capacity retention of the cells

MANGANESE X ENERGY
2025 STRATEGIES AND GOALS

- Based on the successful Battery Hill PEA we will initiate our pre-feasibility study in the beginning of the 3rd quarter 2025 to aggressively advance the Battery Hill project
- Pursue negotiations with a multi-national company to explore future development and sales of our value-added manganese materials to the North American markets
- Continue sending out HPMSM samples to requested EV battery makers, OEM's and cathode makers for pre-qualification testing in the cathode
- Pursue licensing technology opportunities

CORPORATE STRATEGY

- Focus on metallurgy from the start to de-risk project
- Target a key strategic product - high-grade manganese sulphate for electric vehicles and stationary battery systems
- Invest in research and development of downstream products
- Partnership with downstream players

KEY MILESTONES

2025

- ★ Pilot Metallurgical Project
- ★ Initiate Lifecycle Study Project Evaluation
- ★ Produce high-purity material in preparation for EV OEMs and cell manufacturer testing & prequalification
- ★ Environmental and geotechnical studies in preparation for Pre-Feasibility Study and Permitting
- ★ Pre-feasibility Study
- ★ Application of environmental and mining permits

2026

- ★ Complete the Pre-feasibility Study
- ★ Environmental and geotechnical studies
- ★ Demonstration plant

2027

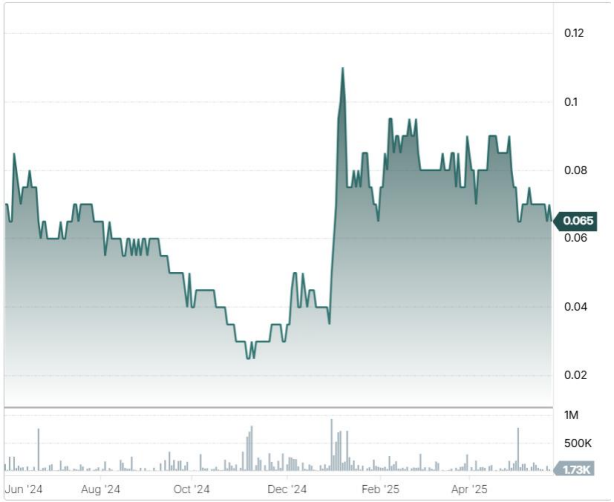
- ★ Feasibility study
- ★ Prepare mining construction for modular production
- ★ Submit the application of environmental and respective mining permits

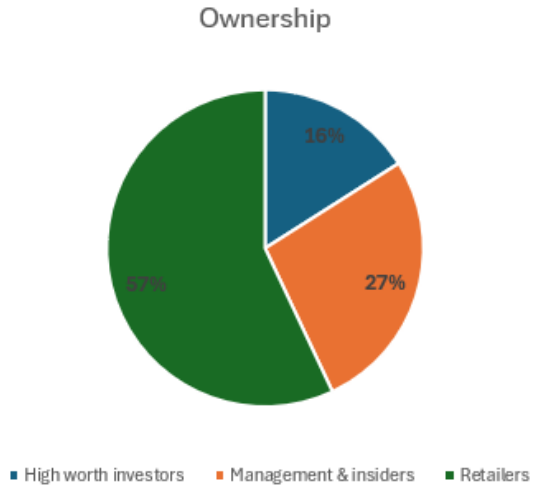
2028/2029

- ★ Final Construction and Production

FINANCIAL DETAILS

Number of Shares	214,593,865
Options	8,400,000
Warrants	31,533,240
Shares fully diluted	254,527,105
Market cap (05.2025)	C$ 15million





MANAGEMENT TEAM

Martin Kepman, Chief Executive Officer & Director

Martin Kepman and Associates Inc., founded in 1982, is a business development and management consulting firm owned and operated by its President Martin Kepman. Martin, in his 34 years of consulting experience, has consulted on a wide range of projects, in multiple industries ranging from software, soft goods, printing and food to mining.

Roger Dahn, Chairman of the Board & Director

As Chairman of the Board, Mr. Dahn provides guidance and direction to management in advancing Manganese X's Battery Hill project. He acts as a direct liaison between the board and the company's management, through its Chief Executive Officer. From June 2016 - December 2020, Mr. Dahn served as Vice-President of Exploration and significantly advanced the company's Battery Hill project, right from its grassroots start to where it is now awaiting a pre-feasibility study. Mr. Dahn has over 38 years experience in the mining and exploration industry. His experience includes over 16 years with Noranda Inc. and Hemlo Gold Mines Inc. Mr. Dahn is a registered professional geologist and a qualified person as defined by National Instrument 43-101.

MANAGEMENT TEAM

Jay Richardson, Chief Financial Officer & Director

Jay Richardson is a Canadian Chartered Accountant (CA CPA), a Singapore Certified Public Accountant (CPA) and a Fellow of the Insolvency Practitioners' Association of the United Kingdom (FIPA). He has practiced as a Partner at Ernst & Young (Canada and Singapore) and KPMG (UK) prior to establishing his own practice as a company doctor in Toronto, Canada in 1993. He has served as the CEO or Chairman of ten listed public companies and as CFO of numerous others. He has extensive public company governance experience from over one and a half dozen Board memberships including having served as Interim Chairman of the Argus Corporation.

Perry MacKinnon, Vice-President of Exploration

Perry MacKinnon, PGeo, graduated in 1982 from Acadia University in Wolfville, N.S. (BSc, geology), and is an accredited professional geologist with the respective professional associations in Nova Scotia and New Brunswick. Mr. MacKinnon has over 30 years experience in the mining industry, having worked continent-wide on a variety of projects including the Alaskan Cordillera, the greenstone belts of Northern Manitoba and Quebec, and an array of mineralizing environments in Atlantic Canada, as well as porphyry-style projects in Mexico. He has worked as an independent consultant since 2005, with a significant focus on Canada's east coast. Mr. MacKinnon is a registered professional geologist and a qualified person as defined by National Instrument 43-101.

MANAGEMENT TEAM

Luisa Moreno, Ph.D., Director

Dr. Moreno possesses unparalleled expertise in strategic minerals and related processes. She is currently Founder and Managing Director at Tahuti Global. Prior to this, she spent 7 years as a Financial and Senior Equity Analyst at Canadian financial research and investment banking firms. She now serves as CEO of Graphano Energy Ltd. (“GEL”), the significant, separately listed graphite recent (Sept. 2021) spin-out from MN.

Robert Tjandra, Director

Mr. Tjandra brings with him a unique blend of professional management, leadership, and entrepreneurial skills, and has over 25 years of combined experience, working, consulting, and developing businesses in construction, trading, oil and gas, fintech, and cleantech. He is passionate about the development of EV and energy storage, including sustainable mining development. Mr. Tjandra has served on various listed companies. He served as the President, Chief Operating Officer, and director of Canbud Distribution Corporation (CSE: CBDX). He currently serves as a Director of Florence Wealth Management Inc. (a registered Exempt Market Dealer in Canada), and as CEO and Chairman of Mineto Power Corp., a private company in EV materials and Tech space.

“It is our corporate mandate to become the first publicly traded manganese company in North America to pursue commercialization of a manganese deposit.

The company is currently proceeding with a plant pilot project for demonstration purposes that will be capable of repeatedly and consistently generating sufficient EV compliant high purity manganese for end use testing for potential off take possibilities as this will then be followed up with a pre-feasibility study (PFS) as well as the due diligence to document it. Upon conclusion and confirmation of the economic viability of our 100% owned Battery Hill Manganese Project, we will move to the next phase and start commercialization.

The EV revolution is underway and innovative battery chemistry will be the catalyst that moves us into an interesting future. We believe that manganese will have a big influence over EV batteries and this will position Manganese X to take advantage of the growing demand for EV batteries.”

Martin Kepman, CEO of Manganese X Energy Corp.

FOR FURTHER INFORMATION
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THANK YOU