
LiMETAL™
Scalable Technologies for
Next-generation Batteries
CSE: LIM | OTCQB: LIMFF | FSE: 5ZO

DISCLAIMER

FORWARD-LOOKING INFORMATION

This presentation may contain forward-looking statements within the meaning of applicable securities laws. Generally, any statements that are not historical facts may contain forward-looking information, and forward-looking information can be identified by the use of forward-looking terminology such as “plans”, “expects” or “does not expect”, “is expected”, “budget”, “scheduled”, “estimates”, “forecasts”, “intends”, “anticipates” or “does not anticipate”, or “believes”, or variations of such words and phrases or indicates that certain actions, events or results “may”, “could”, “would”, “might” or “will be” taken, “occur” or “be achieved”. Forward-looking information includes, but is not limited to: forecasts of lithium metal demand, battery technologies and components dominant in the future marketplace, and and associated economic values by Li-Metal (the “Company” or “LiM”); future production technology potential; indicative economic analysis and potential financial returns from LiM Electrolysis Technology™ and/or the LiM battery anode (collectively, the “Technology”); the Company’s planned work program for the Technology and development schedule and timetable.

Forward-looking information is based on certain factors and assumptions management believes to be reasonable at the time such statements are made, including but not limited to, continued technology development, metal prices, the estimation of initial and sustaining capital requirements, the estimation of labour and production and logistics costs. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Company to be materially different from those expressed or implied by such forward-looking information, including but not limited to: risks related to changes in metals and chemicals prices; the estimation of initial capital requirements; the estimation of labour and operating costs; the general global markets and economic conditions; environmental risks; risks related to potential conflicts of interest; the reliance on key personnel; financing, capitalization and liquidity risks including the risk that the financing necessary to fund continued development of the Technology may not be available on satisfactory terms, or at all; the risk of potential dilution through the issue of additional common shares; the risk of litigation.

Although the Company has attempted to identify important factors that could cause actual results to differ materially from the forward-looking information set out in this presentation, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. The Company does not undertake to update or revise any forward-looking information that is included herein, except in accordance with applicable securities laws.

CAUTIONARY NOTE REGARDING UNITED STATES SECURITIES LAWS

This presentation does not constitute an offer to sell or the solicitation of an offer to buy, nor shall there be any sale of the securities of LiM, in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of such jurisdiction. The securities of LiM have not been and will not be registered under the United States Securities Act of 1933, as amended (the "U.S. Securities Act"), or any state securities laws and may not be offered or sold within the United States or to, or for the account or benefit of, "U.S. persons," as such term is defined in Regulation S under the U.S. Securities Act, unless an exemption from such registration is available.

WHO WE ARE

- Li-Metal is a **vertically integrated battery materials innovator**, developing lithium metal and lithium metal anode production technologies for use in **next-generation batteries**

- Our production methods are more sustainable than existing products and enable lighter, more energy-dense and safer batteries.

Lithium Metal

Next-generation batteries 101

Next-generation batteries:
- are the successor to conventional lithium-ion batteries; and
- will enable longer ranges (i.e. higher energy storage) and better performance (+30% to 100%)

Lithium Metal Anodes

EXISTING INDUSTRY VS. LI-METAL

CHALLENGES

Limited Domestic Supply

Niche Feedstock Requirements

Chlorine Gas Emissions

High CAPEX/OPEX

LI-METAL SOLUTION

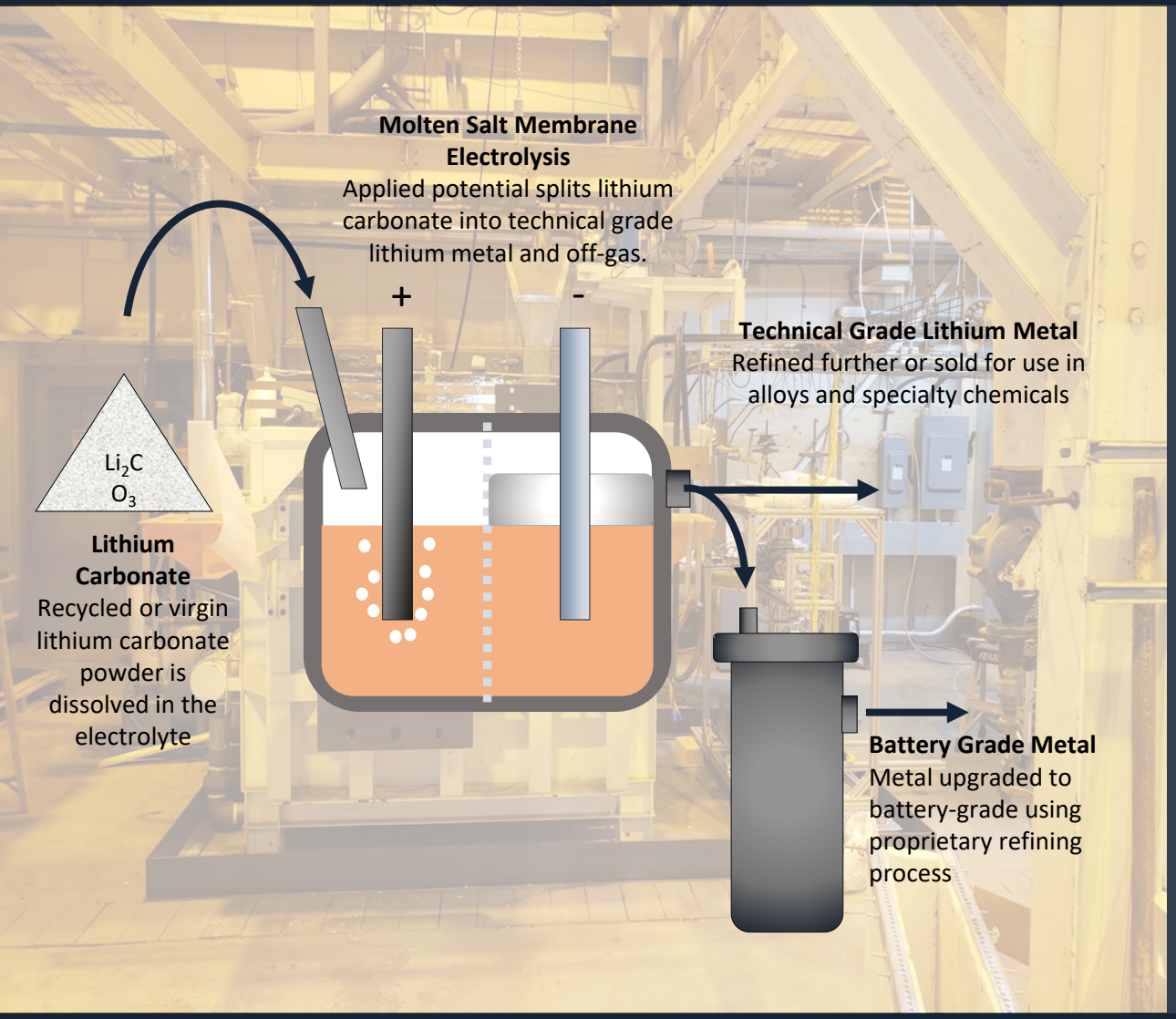
Modular processing allows for scalable deployment in North America / Europe

Flexible input, allowing for more widely produced lithium carbonate to be used as feedstock

Eliminates the 5 tonnes of chlorine gas currently produced for every tonne of lithium units. Can use recycled lithium units.

Switching from Li Chloride, eliminates high CAPEX and OPEX needs of chlorine gas treatment

OUR BUSINESS: LITHIUM METAL



Right Place, Right Feed

Leveraging a widely available chemical used in conventional Li-ion batteries. Optionality to produce both technical and battery grade.

No Chlorine Gas

Air emissions, primarily oxygen and CO2 (introduced during lithium carbonate production), can be captured.

Low Cost

No complicated off-gas treatment equipment and operating costs—cheaper pre-cursor.

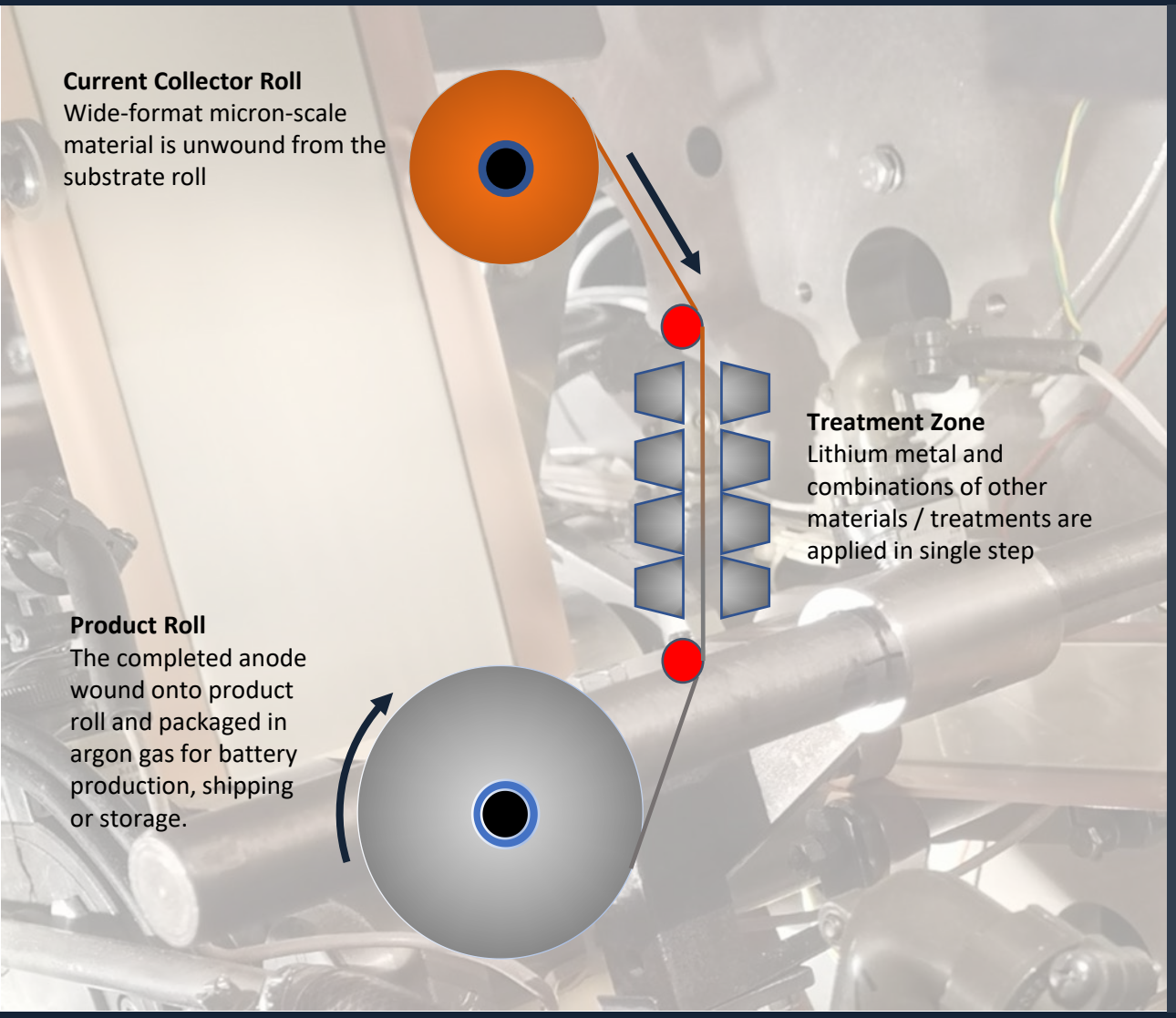
Scalable Production

Scalable production technology in 10t unit increments, with fewer permitting challenges.

Patent-Pending Technology

Continuously expanding IP portfolio.

OUR BUSINESS: LITHIUM METAL ANODES



Cost-Effective and Scalable

Underlying technology is industrially proven in other applications to produce millions of square metres of material per year at minimal cost.

Flexible

Broad range of thicknesses, widths and material requirements can be accommodated to tailor the products to each battery format and technology and minimize lithium usage.

Upgradable

Ability to produce composite materials allows unique combinations of cost and electrochemical performance properties to be achieved; will enable new materials/products like pre-lithiation of silicon.

Patent-Pending Technology

Continuously expanding IP portfolio.

OUR FACILITIES

Anode Pilot Facility (Rochester)

- Roll-to-roll anode material production equipment (deposition coating equipment)
- Allows for thousands of metres of lithium anode material to be produced per year intended for commercial customer use and auto qualification
- Operational and shipping products to customers as of January 2022

Advanced Anode Materials Lab (Toronto)

- Rapid prototyping, development and testing capability for new anode materials
- Bench-top PVD and 100+ Channels of battery cycling capacity
- Additional advanced analytical capabilities to be added in 2023

Lithium Metal Pilot Facility (Toronto)

- Metal production piloting facility to demonstrate lithium metal production at an industrially-relevant scale
- Process and equipment development space in wholly-occupied 14,000 sq-ft space
- Facility operational in H2 2022

Thank You

Kunal Phalpher

PRESIDENT

IR@LI-METAL.COM

www.Li-Metal.Com