

Nano One Materials Corp.

IP: 52 Granted | 50+ Pending

TSX: NANO | FF: LBMB | OTCQB: NNOMF



Supply Chain Resilient

Easier-to-Permit

Simplified Process

Modular & Scalable

Changing How the World Makes Battery Materials

Nano One Corporate Presentation

Disclaimers

TSX: NANO | FF: LBMB | OTCQB: NNOMF

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Forward Looking Statements

Certain information contained herein may constitute "forward-looking information" and "forward-looking statements" within the meaning of applicable securities legislation. All statements, other than statements of historical fact, are forward-looking statements. Forward-looking information includes, but is not limited to, statements with respect to expected demand for LFP, competitive conditions, current and future collaborations, the Company's ability to achieve its stated goals, financing endeavours, technical progress and the commercialization of Nano One's technology and patents. Generally, forward-looking information can be identified by the use of forward-looking terminology such as "expects" or "plans", or variations of such words and phrases or statements that certain actions, events or results "will" or "may" occur. Forward-looking statements are based on the opinions and estimates of management as of the date such statements are made and they are subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of Nano One to be materially different from those expressed or implied by such forward-looking statements or forward-looking information, including: target markets, target cost-reductions, target partners, capital expenditures, raw material and other costs, financing and additional capital requirements, the development of technology, supply chains, and plans for construction and operation of cathode production facilities, the functions and intended benefits of Nano One's technology and products, the commercialization of the Company's technology and patents and potential revenues which would reasonably expected to come from such activities, and other risk factors as identified in Nano One's MD&A and its Annual Information Form dated March 25, 2025, both for the year ended December 31, 2024, and in recent securities filings for the Company which are available at www.sedarplus.ca. Although management of Nano One has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking statements or forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. Accordingly, readers should not place undue reliance on forward-looking statements and forward-looking information. Nano One does not intend, and does not assume any obligation, to update any forward-looking statements or forward-looking information that are incorporated herein, except as required by applicable securities laws.

500+ Years Cathode Experience

Executive, Investor and Business Leaders



Dan Blondal
CEO, Founder &
Director



Alex Holmes
COO



Denis Geoffroy
CCO



Carlo Valente
CFO



Adam Johnson
SVP, External Affairs



Kelli Forster
SVP, Ppl & Culture



Dr. Guoxian Liang
SVP, Technology



Paul Guedes
Director,
Capital Markets



Andrew Muckstadt
VP Business
Development

Board of Directors



Anthony Tse
Chair



Dan Blondal
CEO, Founder &
Director



Lisa Skakun
Director



Carla Matheson
Director



Dr. Joseph Guy
Director

Advisors



Robert Morris



Dr. Yuan Gao



Joe Lowry



Hon. Frank Fannon



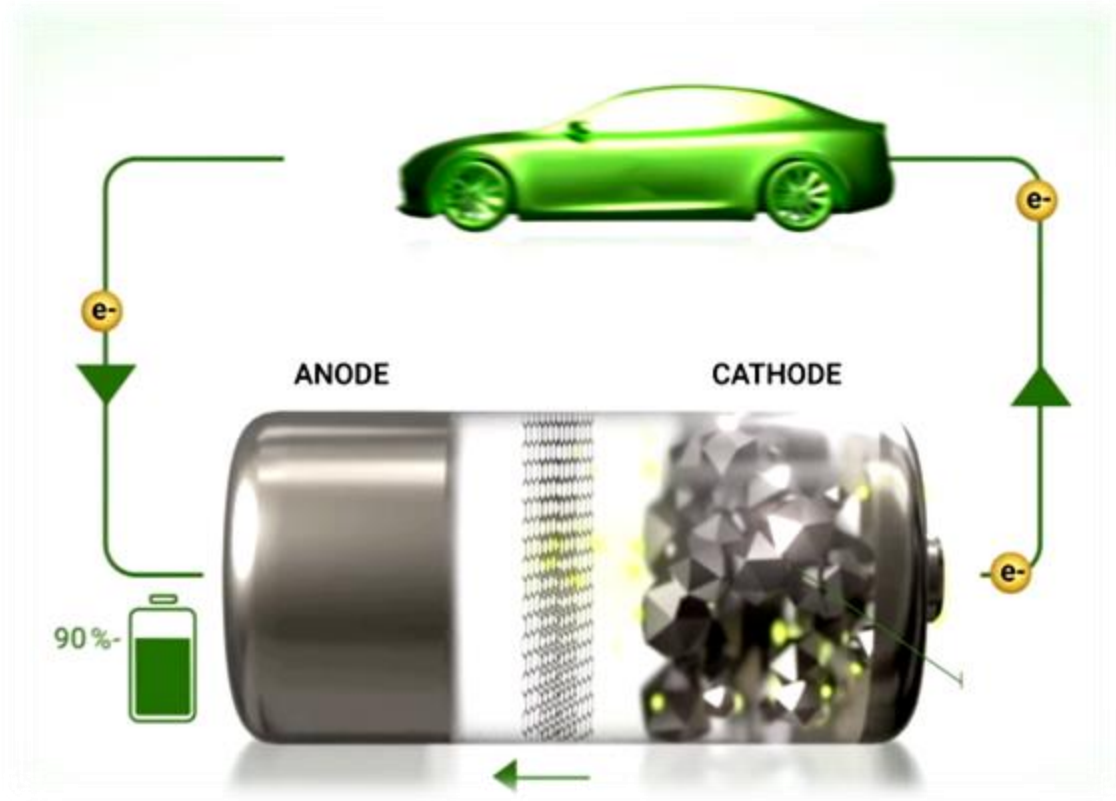
Donghui Han



Battery 101 & Market

Dan Blondal, CEO, Director & Founder—Nano One

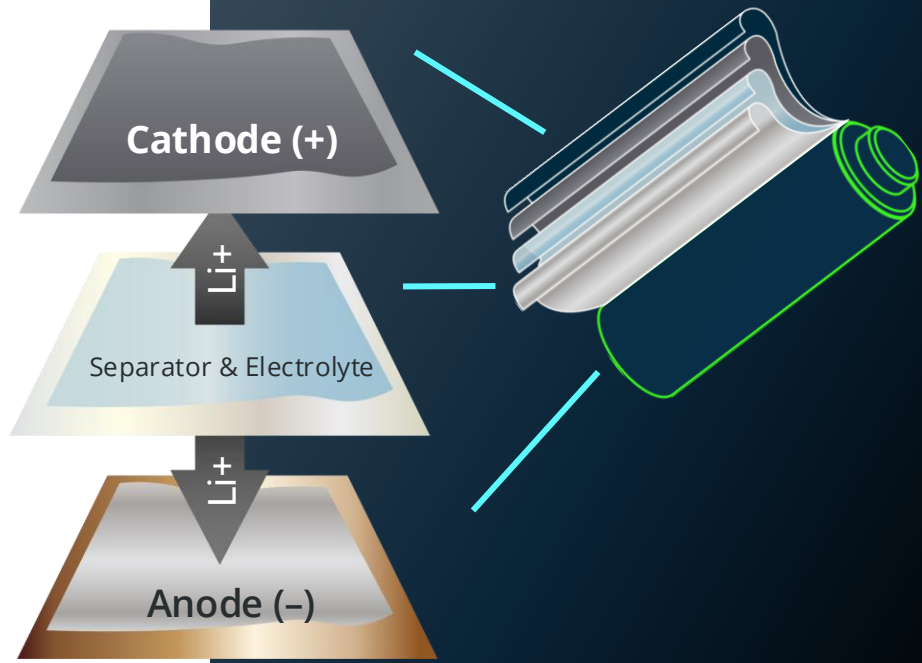
How Lithium-ion Batteries Work



Charging moves lithium ions from the cathode through the electrolyte to the anode

Energy is generated when lithium ions move from the anode to the cathode.

COMPONENTS

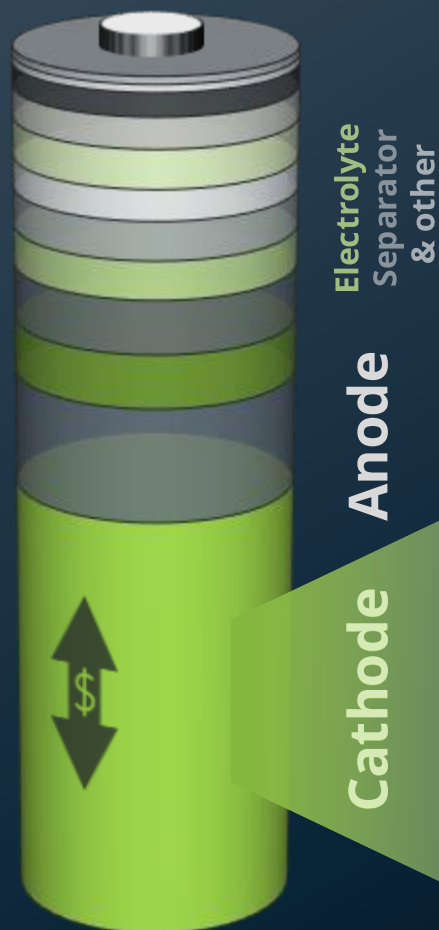


Cathode Active Material (CAM)

Cathode Cost*
~40-60%

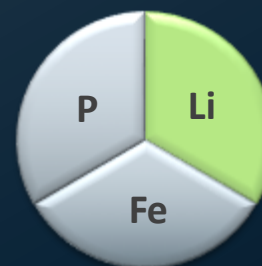
±15% due to variations
in raw material costs

* Source: BloombergNEF 2021



- Key to energy density, durability, power output, and efficiency.
- Most complex, costly, energy, and environmentally-intensive component.

LFP
LMFP



↑ Durability ↑ Safety ↓ \$
LFP Pack density ≈ NMC
mass market EV, ESS, Industrial
70-80% Market Share in China

NMC



↑ Density ↓ Durability ↑ \$
Luxury long range EV
Various types (622, 811, 955 etc.)

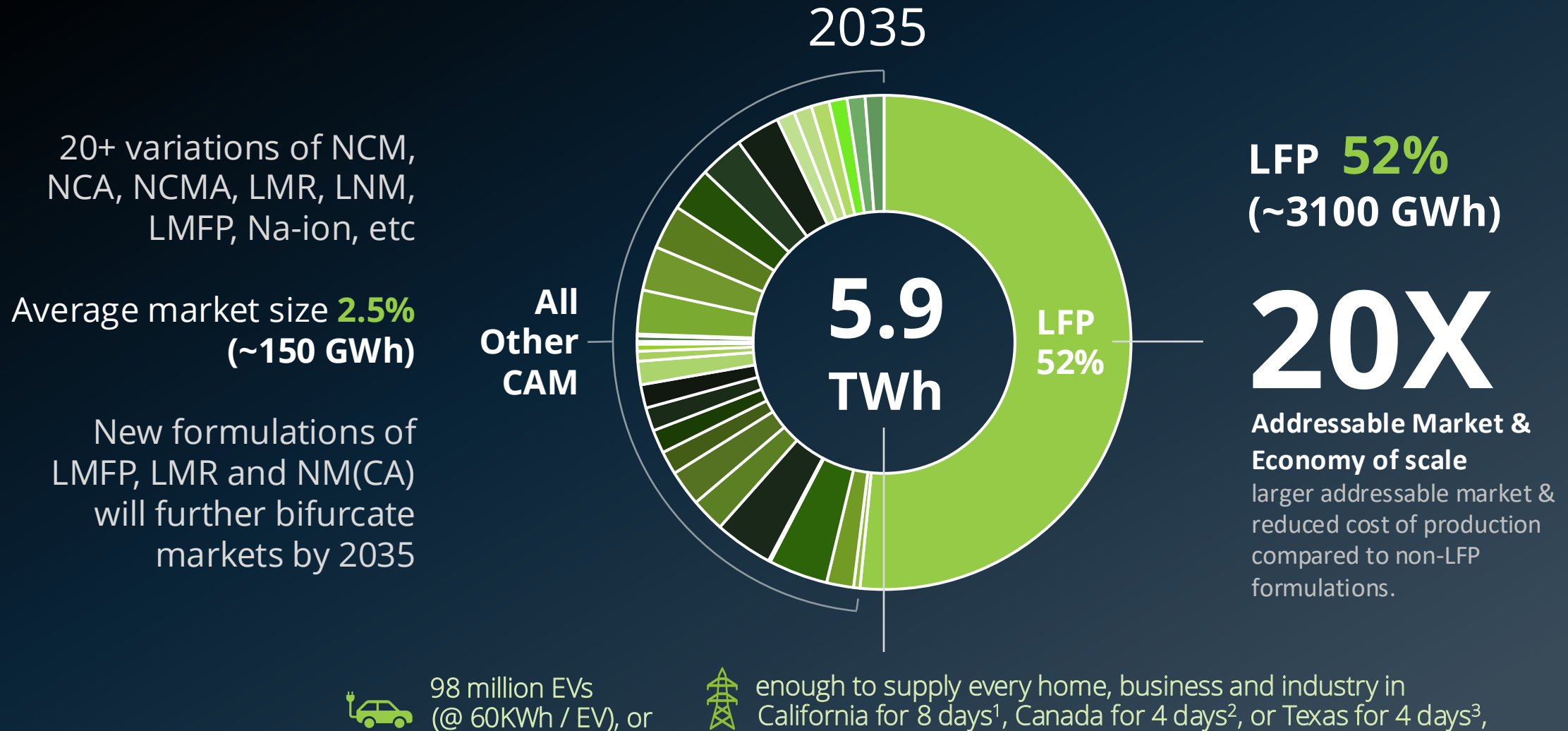
LMN



↓ Density ↑ Voltage ↑ Charge
Next Gen Chemistry - niche

Global Cathode Chemistry Market Demand Forecast¹

¹ derived from Bloomberg NEF Lithium-Ion Batteries: State of the Industry 2024

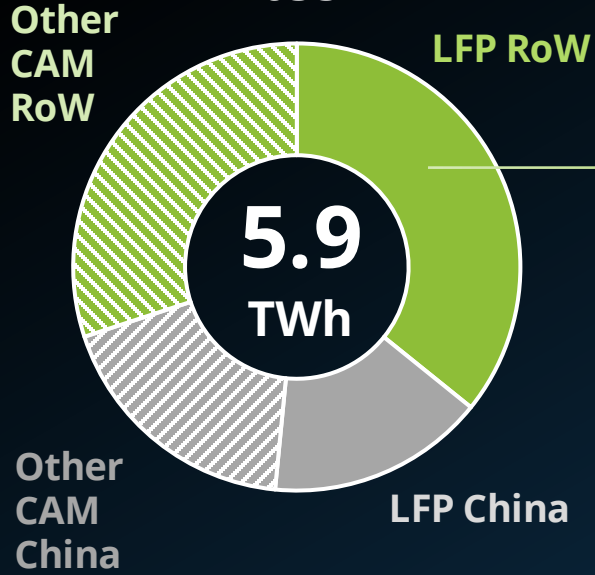


¹ California Energy Commission, 769 GWh/day electricity demand ² Statistics Canada, 1.54 TWh/day electricity demand.

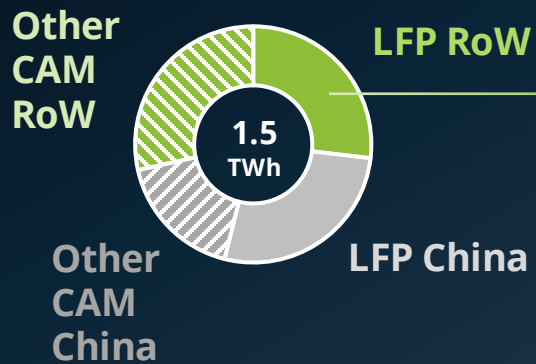
³ U.S. Energy Information Administration, State Energy Data System, 492 TWh/year

Cathode Market Demand Forecast¹

2035

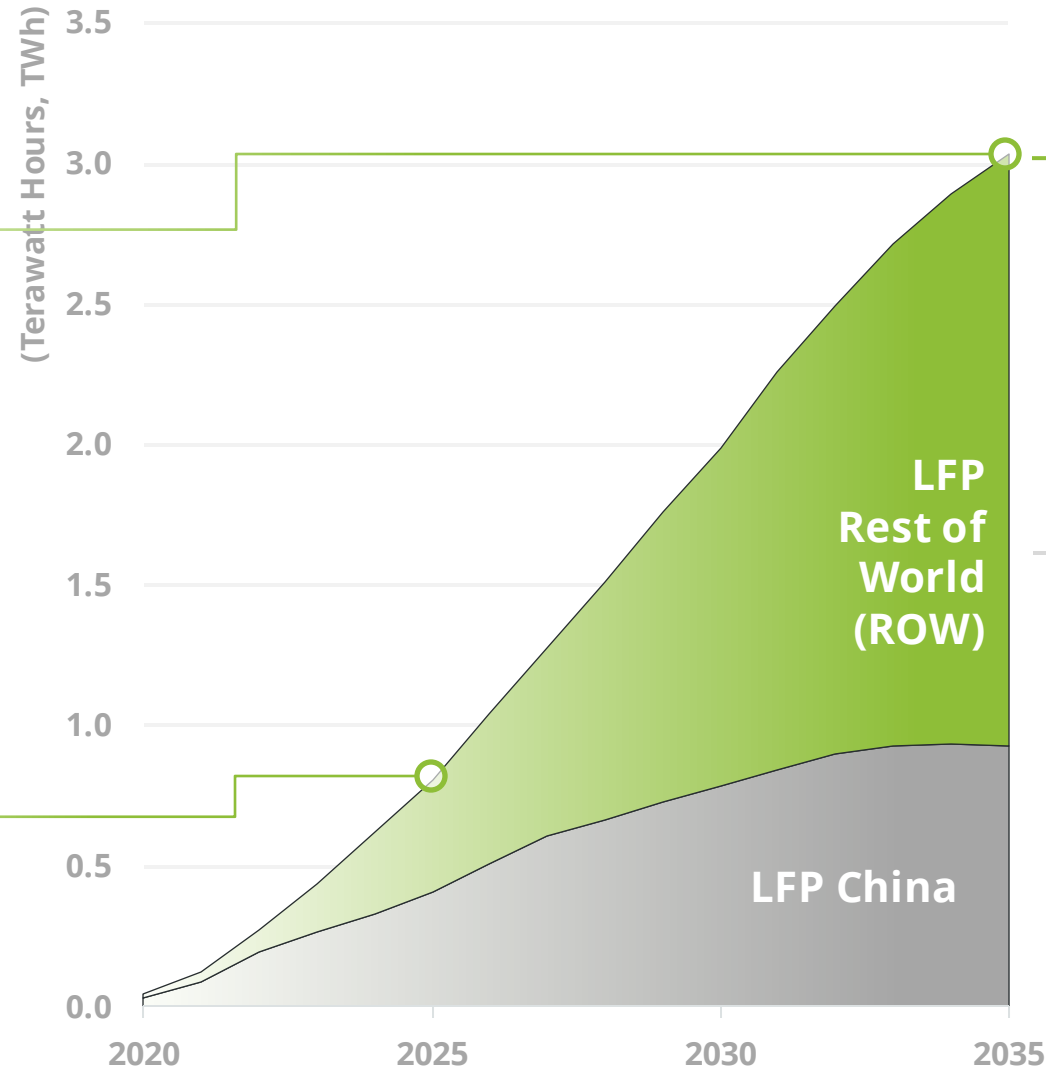


2025



LFP Demand Market Forecast¹

Mass Adoption is Clear



3X

higher than
forecasted^{1,2}
in 2021

5X

RoW Growth from 2025-35
Driven by ↑ AI ↑ BESS ↑ EV

2.1 TWh

4.2 mtpa LFP
168 \$½B plants
35 million EVs

\$40B/yr

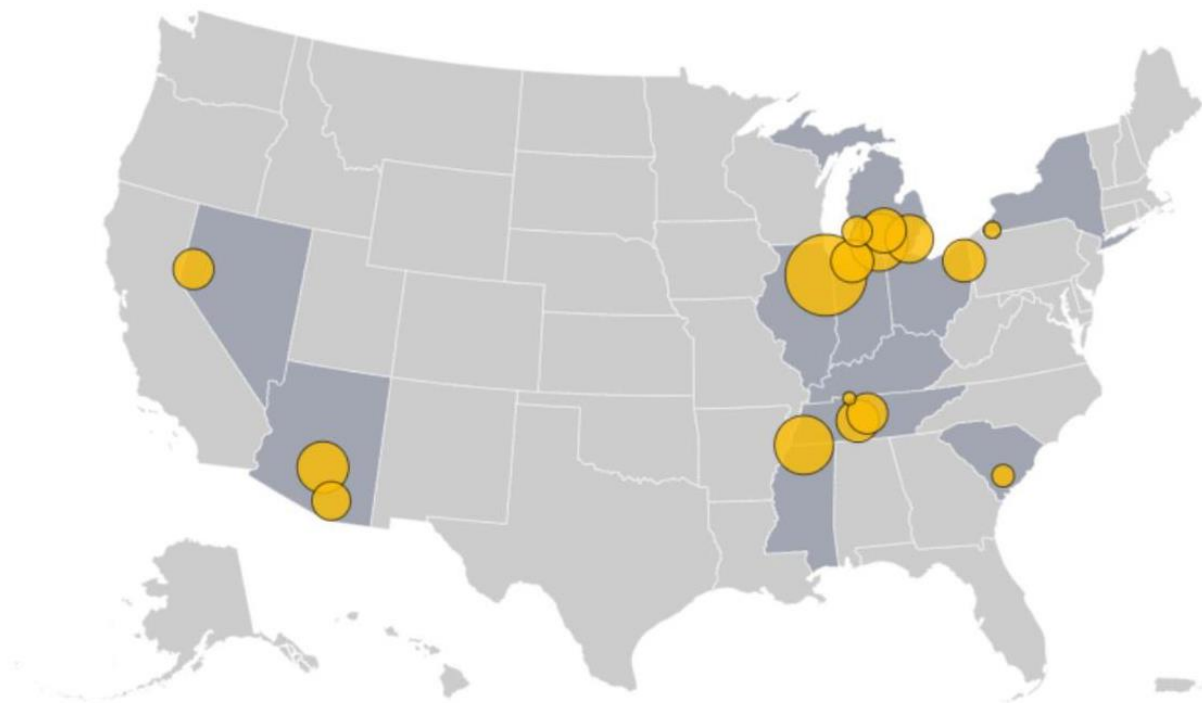
Serviceable
Addressable
Market (SAM)

¹ Bloomberg NEF Lithium-Ion Batteries: State of the Industry 2024

² Bloomberg NEF Long Term Electric Vehicle Outlook 2022

US Production Capacity

Nearly **200 GWh** announced in US LFP cell production for 2030 pipeline



LFP Capacity: 5 GWh  20 GWh 

Source: Benchmark Battery & Gigafactory Forecast



Incentives are CLEAR

Economically localized LFP CAM is needed

\$7B/yr

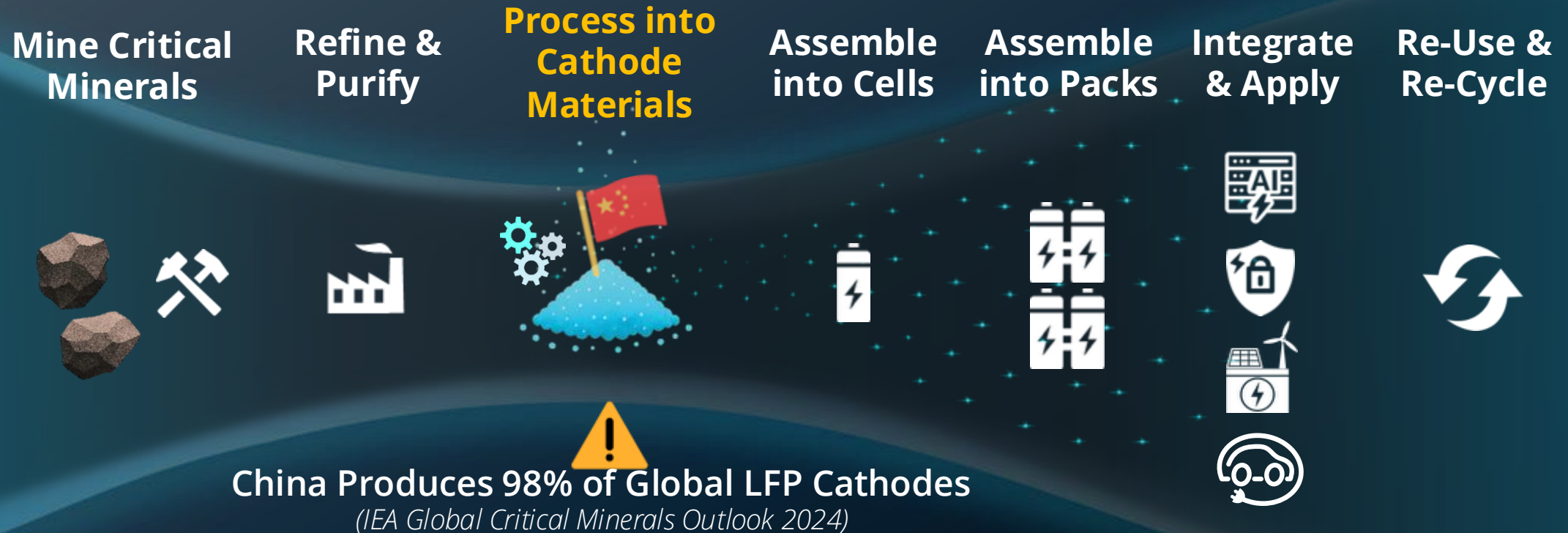
in US cell production tax credits
@ \$35m / GWh via OBBBA 45X
BUT only with non-China LFP



Market Challenges & Industrial Solutions

The Global Battery Bottleneck is Cathodes

Between mining & batteries—critical minerals are **refined & transformed** into cathodes



Foreign control of refining, purification and **processing** is a critical chokepoint.

- Apr '25** **Executive Order** ensuring National Security and Economic Resilience to reduce dependency on PRC supply chains
- Jun '25** **G7** pledges coordinated action on battery supply chain resilience
- Jul '25** **OBBA** disqualifies batteries from tax credits if they cathode made by Chinese company – incentivizing local processing
- Jul '25** **China** restricts export of core LFP and lithium processing technology to protect its lead

Breaking Foreign Stranglehold on LFP

US Energy Growth and Security of Supply **Depends** on It



Abundant low-cost source of iron sulfate from tailings
Lax regulation of sulfate handling and wastewater
Vertical integration drives down cost
Economies of scale and large capacity
Widespread industrial knowhow
Low-cost equipment
Export controls on process technology

onePot

An **'OBBB-Ready'** LFP
Solution for North America



Qualify local sources of iron
Eliminate wastewater/sulfate
Integrate pCAM with CAM
Design One, Build Many
Leverage only LFP plant in NA
Procure globally w/ partners
52 patents and 50+ pending

Eliminate chokepoint
Make permitting easier
↓ Cost, Energy, Water
Deploy & scale rapidly
Experts & plant in place
Low-cost procurement
Technology independence

onePot⁺ Process

PCAM, CAM & Coating combined

52 patents 50+ pending



pCAM integrated with CAM production

Enables localization of supply chain & associated incentives

Cost-competitive¹ & Greener²

- ↓ up to 30% ↓ OPEX at least 30% ↓ CAPEX
- ↓ 80% less energy
- ∅ sodium sulphate wastewater
- ↓ 50-60% GHGs
- ↓ 80% water usage
- ↓ foreign supply chain risk
- modular – easier to permit, build & operate

See how it works

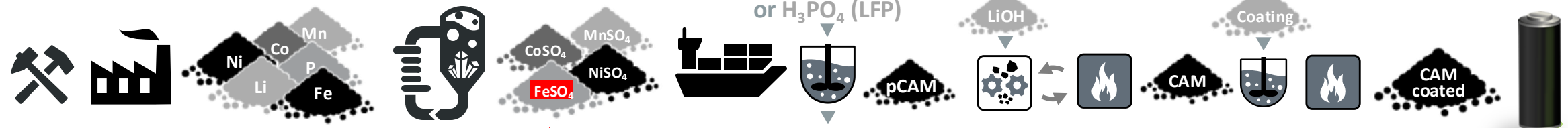


¹ Cost Comparison – <https://nanoone.ca/news/nano-one-provides-progress-update-on-its-alliance-with-worley-and-cost-comparison-demonstrating-the-case-for-one-pot-enabled-lfp-cathode-production/>

² Independent Life-Cycle Analysis – <https://nanoone.ca/news/nano-one-could-reduce-ghgs-by-up-to-60-for-nmc-50-for-lfp-and-reduce-water-use-by-up-to-80/>

Standard Process

PCAM, CAM & Coating separate



China's Grip on LFP
Exclusive access to ultra-cheap iron sulfate

Sulfate waste discharged or costly crystallization for byproduct*

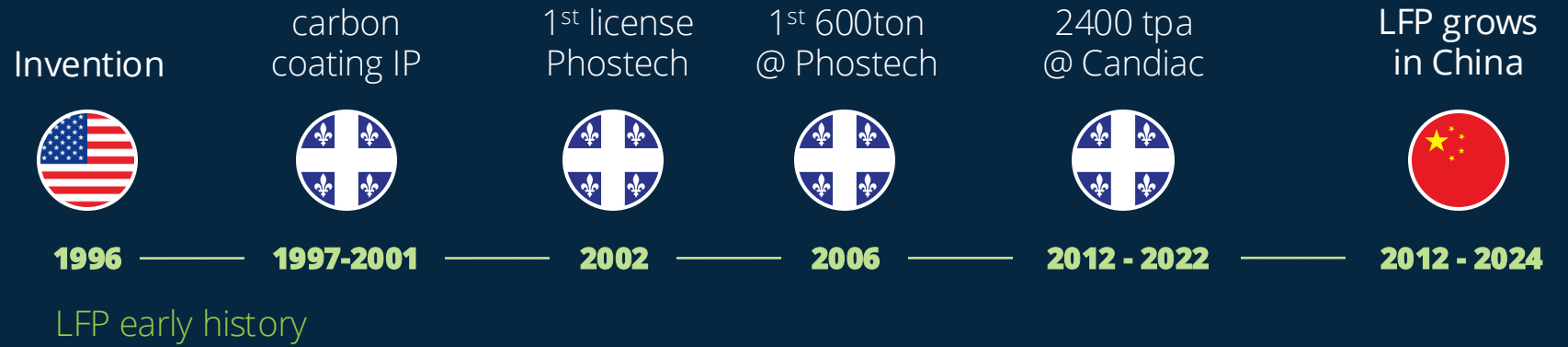
*Ammonium sulfate waste byproduct can be used as fertilizer input.



Partnerships & Growth

4-Year Milestones

Proactive. Funded. Focused.



nanoOne
recent history



C\$10.25M Candiac Acquisition



C\$10M SDTC

\$60M non-dilutive in 6 months



C\$2.8M NGen



US\$13M US DoD



C\$18M Québec

Jun - Sept 2021
Nano One launches LFP strategy

Dec 2021
Bid

May 2022
Agree

June 2022
\$12.5M CAD @C\$2.70 ~4.9%



invested @ ~\$300M valuation

Nov 2022
Close

Feb 2023
C\$16.9M @C\$3.07 ~4.9%



Sept 2023

May 2024
Licensing Alliance



licensing growth

Aug 2024

Sept 2024
C\$5M land sale

Dec 2024

Mar 2025
C\$15.7M sale/lease back

Bought: **\$10M** | Sold: **\$20M**
kept valuable plant & team

nano...

R&D, testing & characterization



Innovation Hub

Burnaby, BC, Canada

25,000 sf

LFP, NMC, LNMO & other CAM

52 Patents Granted & 56+ Pending

- ✓ ideate & conceptualize
- ✓ prove & validate
- ✓ develop & evaluate

Commercialization Hub

Candiac, Québec, Canada

80,000 sf

- ✓ Pilot and Demo LFP plant and experienced production team
- ✓ 200 tpa Expansion Targets: **600 tpa** → **1,000+ tpa**
- ✓ Derisks in full scale production intent equipment
- ✓ Optimization & training center for licensees & partners
- ✓ Product & plant qualification
- ✓ Drives offtake for small/large volume production & licensees

Rapid Global Scaling & License Model

- Modular, scalable and globally deployable
- Eliminates waste and easier-to-site-and-permit
- Leverage Existing Pilot and Demo w/ less capital at risk



50,000 experts globally, delivering first-of-a-kind tech solutions.
AUD9B market cap | .AUD1.5B battery materials division

Existing Pilot & Demo Facility (Candiac)



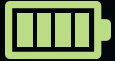
accelerates first revenues, investment decision (FID),
adoption, offtake, time-to-market, and training



Growth via Licensing

- IP Rights
- Key proprietary equipment
- Detailed Process Design
- Modular 12.5 ktpa layout
- Detailed process design
- Customizable support & continuous innovation
- Global Engineering Alliance with Worley
- **Upfront Fee + Royalty stream**

2025 Catalysts — In Motion



Finance - \$12.75M in gov funding drawn (more in process)



Non-Dilutive Capital - \$60M+ secured in the last 12 months



CAM Package – Three distinct packages developed



One-Pot Equipment - Reactor & kiln design started (NGen support)



Government Policy - Strong policy alignment & engagement: US, Canada, EU



Capacity Expansion - Engineering advancing 1000+ tpa



LFP Sales - Samples in validation for ESS, auto, defense



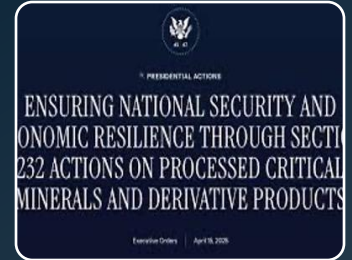
Licensing – Discussions in-progress



Supply Chain - Regional feedstock diversification ongoing



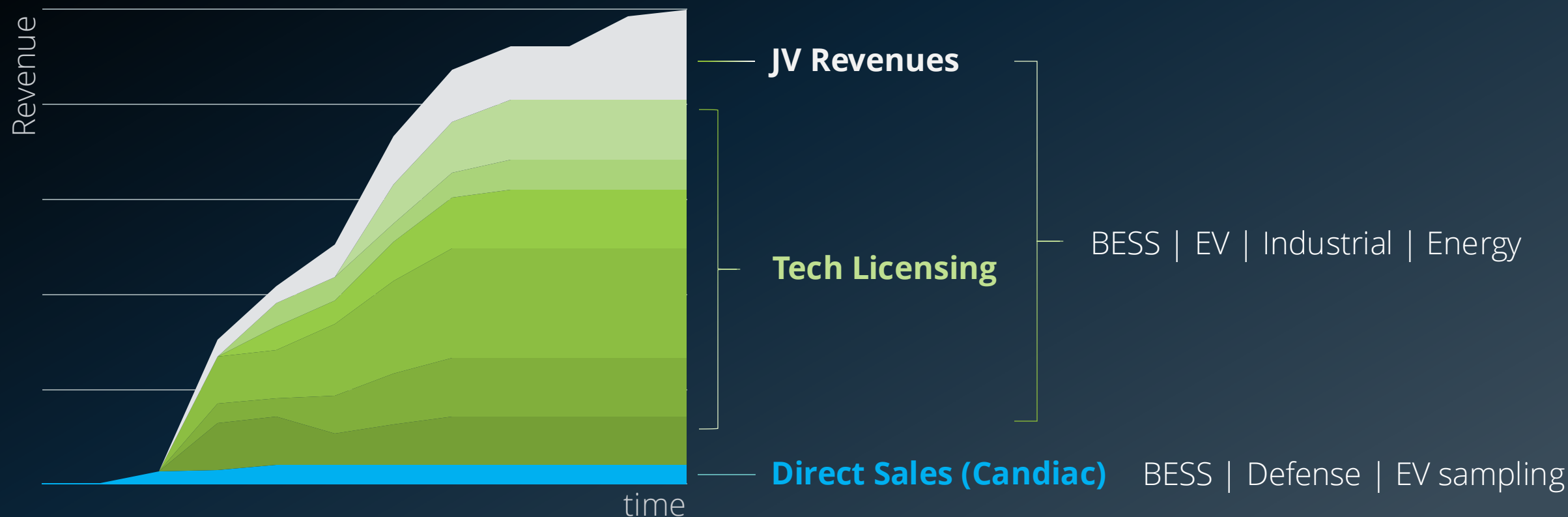
Innovation - M2CAM® and IP work in progress. 52 patents and 50+ pending





Multi-track Revenue Growth¹

↑ Defense, ↑ BESS, ↑ AI Data Centers, ↑ Industrial ↑ EV – Ramp up LFP production in line with **voice of customer** and their needs on volume, localization, qualification timelines and market adoption.



¹ This graph is intended to illustrate how Nano One's anticipated three revenue streams (product sales, technology licensing, and joint venture revenues) are designed to scale in parallel, aligned with the expected needs of different market segments. The Company is not currently able to provide guidance on the timing or quantum of revenues, if any, from any of the anticipated streams.



Unlocking **\$40B** in LFP Demand and **\$7B** in US tax credits



5x Market Growth (2035)

Driven by ↑ AI ↑ BESS ↑ EV



OBBBA-ready solution could unlock **\$7B/yr**

Local LFP CAM production could unlock **\$7B/year** of OBBBA 45X Production Tax Credits for LFP cell producers



Capital Light Licensing Model

Modular Design powers Scale-Up and Growth
High margin, recurring royalty stream
Royalty stacking drives long-term value



Sustainable Advantage

Robust IP, deep expertise, and demonstration plant in place
Easier-to-permit, low-cost, low-energy, low-water
Globally & rapidly scalable w/ localized supply Strong balance sheet

Headquarters	British Columbia, Canada (c. 2011) and demonstration facility in Québec
Market Cap.	C\$170M (USD\$121M) as of 2025-10-01
Capital Structure	Issued and Outstanding: 111,496,151 as of 2025-06-30
Key Shareholders (35%)	Rio Tinto, SMM, RobecoSam, US Global, Schrodgers, Formidable, Green Benefit, Insiders Family Friends
Analyst Coverage	Roth MKM Maxim Group
Business Model	License – Royalty / Independent Production / Joint Venture
Patents	52 granted in US, Canada, Japan, Korea, China, Taiwan, India and 50+ pending
Leadership	Experts in financing, capital growth, technology, process engineering, production, batteries, and IP
Partnerships	Rio Tinto Sumitomo Metal Mining (SMM) Worley and more

Executive Summary

Growth through Technology Licensing – 52 Patents Granted, 50+ Pending

- **High margin EBITDA** – Capital light – upfront license fees – production royalty streams – rapid expansion and growth – potential JVs
- **Demo plant in Québec** derisks and supports licensees with production, offtake, training & continuous improvement
- + production revenues from Demo facility brings in non-dilutive working capital while licensing revenues ramp up

Licensing Alliance with Worley

- Co-develop, market and license modular LFP plants with Worley (*A\$9 billion, **world's largest battery materials engineering firm***)
- Leverage global sales & marketing platform geared to sell One-Pot enabled production lines for **rapid industrialization**
- *Design-One-Build-Many* to tackle scale up needs and **\$50B+ LFP market opportunity**, followed by NMC & next gen materials.

Industry validation

- **Sumitomo Metal Mining** – Japan's largest NMC and LFP producer - ~5% **equity stake** & strategic focus on **commercial LFP**
- **Rio Tinto** – ~5% **equity stake** + strategic supply chain collaboration. Lithium and iron feedstock.

Manufacturing Advantage & Value Proposition

- **Only LFP demo plant and team outside Asia** – first to commercialize LFP (2005) with tier 1 automotive cell manufacturers.
- 30% less OPEX and CAPEX, 80% less energy, zero waste, modular and easier-to-permit & no ties to China supply or tech.
- Tech and licensing **supports supply chain, energy, national security interests** in wide range of jurisdictions.

Government Support

- US DoD (US\$12.9M), Québec (C\$18M), NGen (C\$2.8M) for commercial capacity expansion of Candiac Demo facility.