



# INVESTOR PRESENTATION

JUNE 2023

Building the pre-eminent vertically integrated **Lithium** business in Ontario, Canada

ASX | GT1

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# INDIGENOUS PARTNERS ACKNOWLEDGEMENT

**We would like to say Gchi Miigwech to our Indigenous partners. GT1 appreciates the opportunity to work in the Traditional Territory and remains committed to the recognition and respect of those who have lived, travelled, and gathered on the lands since time immemorial. Green Technology Metals is committed to stewarding Indigenous heritage and remains committed to building, fostering, and encouraging a respectful relationship with Indigenous Peoples based upon principles of mutual trust, respect, reciprocity, and collaboration in the spirit of reconciliation.**



# BOARD AND MANAGEMENT

Extensive experience and proven track record of rapidly advancing and delivering lithium projects globally

## Executive Team



**JOHN YOUNG**  
Non-Executive Chairman

Highly experienced geologist  
Co-founder and previous Executive Director of Pilbara Minerals Ltd a A\$13b lithium company



**CAMERON HENRY**  
Non-Executive Director

Founding Managing Director of Primero Group, the worlds largest Lithium process facility builder.  
Over 20 years experience in development and delivery of global minerals processing, energy and NPI projects



**PATRICK MURPHY**  
Non-Executive Director

Managing Director at AMCI Group, an experienced investment firm with a portfolio of exploration and development interests



**ROB LONGLEY**  
Non-Executive Director

Geologist with +20 years experience in global resources across a range of commodities  
Managing Director of Asra Minerals, previously CEO/MD of Ardiden and GM Geology at Sundance Resources



**LUKE COX**  
Chief Executive Officer

**NICK RATHJEN**  
Head of Corporate Development

**JOHN WINTERBOTTOM**  
GM Technical Services

**NATHAN SIMS**  
Exploration Manager



**MATT HERBERT**  
Chief Operating Officer

**ANDREA JOHNSTONE**  
ESG Manager

**ROGER SOUCKEY**  
VP HR and Communities

**DARRYL BOYD**  
Approvals and Permitting

# CORPORATE SNAPSHOT



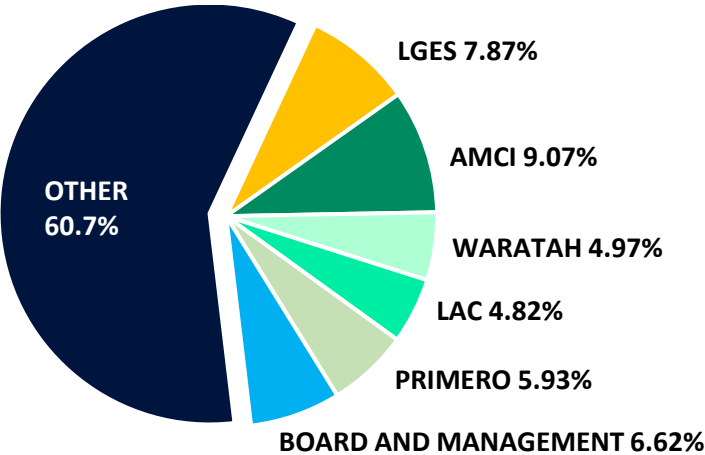
276.1M SHARES ON ISSUE

5.8M OPTIONS

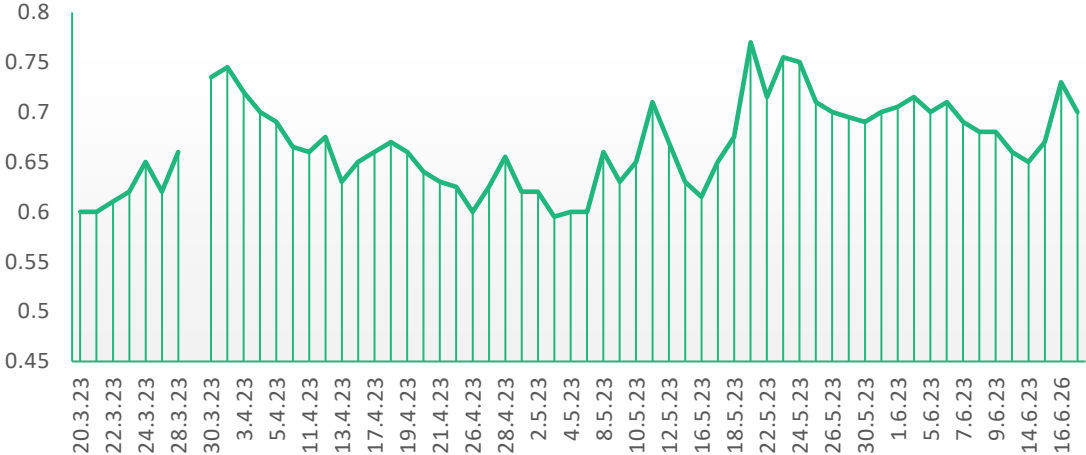
18.5M PERFORMANCE RIGHTS



## SHARE REGISTER



## SHAREPRICE PERFORMANCE



Share price as at 26 June 2023, cash balance as at 15 June 2023

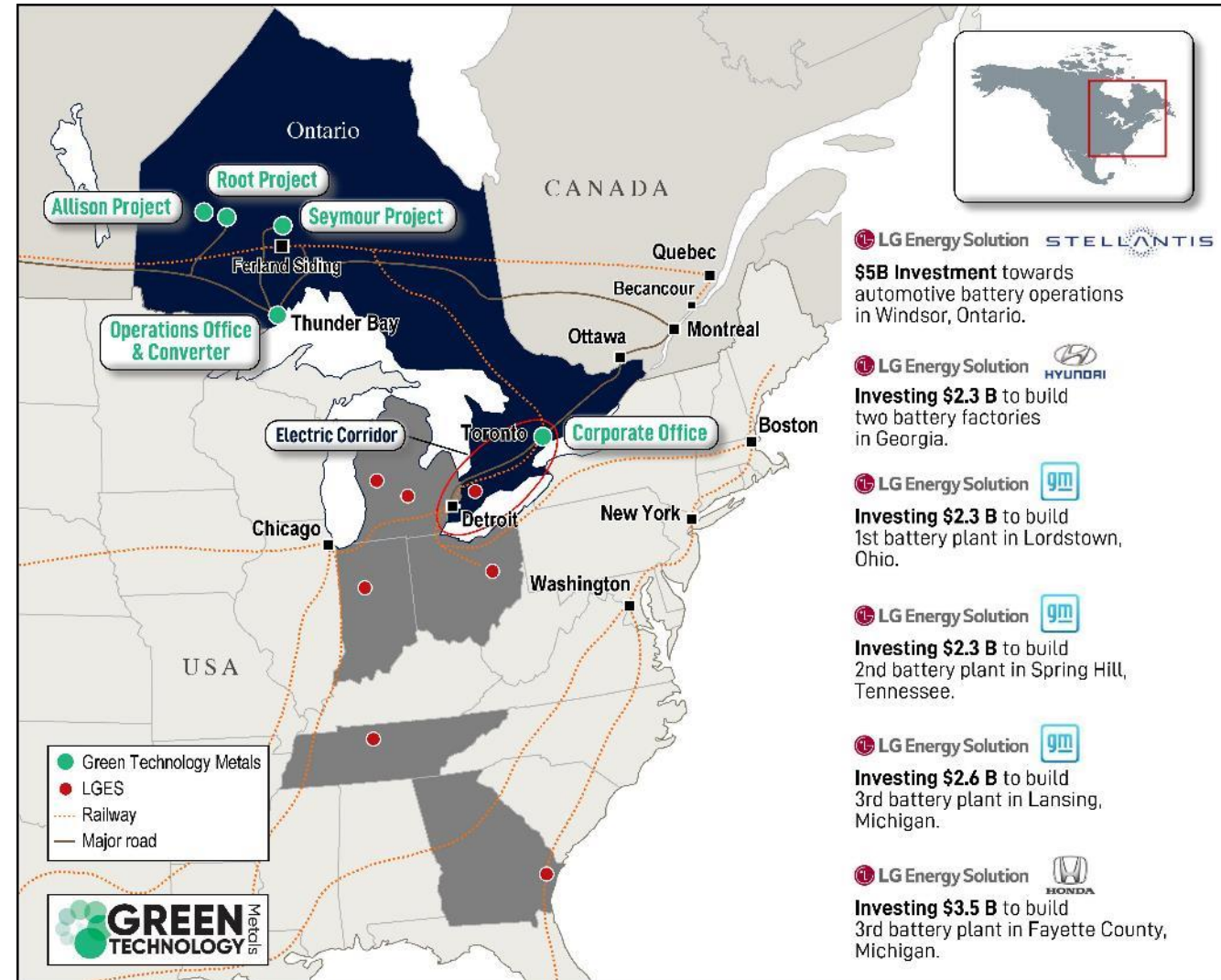
# CORPORATE DEVELOPMENT

## LGES Offtake and Strategic Investment

- \$20M Investment towards Seymour development, 43% Premium subscription price of \$0.92 per share
- Offtake term sheet executed for 25% of spodumene concentrate from Seymour or the equivalent lithia content in the form of lithium hydroxide
- First ever investment for upstream feedstock by LGES
- Build on existing corporate presence in Ontario
- Continue relationships with stakeholders and government agencies
- Lead Ontario by becoming the first lithium producer and pioneering local industry

## Project Funding

- Progress discussions with government agencies around grants and funding packages
- Engagement with strategic parties relating to investment/offtake/joint venture for processing plant and lithium conversion facility



# COMPANY OVERVIEW

Extensive Portfolio of  
projects in Tier-1 jurisdiction



22.5Mt<sup>1</sup>

TOTAL JORC MINERAL  
RESOURCE ESTIMATE

1.14%

AVERAGE Li<sub>2</sub>O GRADE

10

PROJECT AREAS

56k Ha

560KM<sup>2</sup> LAND HOLDING

2025

PLANNED FIRST SC6  
SPODUMENE  
CONCENTRATE  
PRODUCTION

72%

SPODUMENE  
CONCENTRATE PRODUCED  
FROM INITIAL HLS  
TESTWORK FOR SEYMOUR  
WITH LITHIUM RECOVERY  
EXCEEDING 72%



## Company Highlights

### Tier-1, low risk mining jurisdiction

- Prime position to support the North American EV market
- Supportive and proactive Government

### Established, highly experienced local team in Thunder Bay, Ontario

### Strong leadership by a team who boast extensive experience in project execution

### Moving from an Explorer to Developer with multiple works streams running in parallel while we rapidly grow

1. Seymour has an existing Mineral Resource estimate of 9.9 Mt @ 1.04% Li<sub>2</sub>O (comprised of 5.2 Mt at 1.29% Li<sub>2</sub>O Indicated and 4.7 Mt at 0.76% Li<sub>2</sub>O Inferred).<sup>1</sup> and Root has an Inferred Mineral Resource Estimate of 12.6 Mt @ 1.21% Li<sub>2</sub>O. Refer to GT1 ASX release dated 7 June 2023, 22.5Mt Mineral Resource base across Ontario Lithium Projects.



# INFRASTRUCTURE CORRIDOR

World-Class infrastructure and direct access to rapidly expanding North American EV market



**ALL WEATHER ROAD ACCESS**  
to sites with ready access to  
Trans Canadian Highway



**HEAVY HAULAGE AND WIDE  
LOAD CAPABILITY**  
for access to and from both  
Seymour & Root



**ALL-WEATHER AIRPORTS**  
within 20-30 mins of both  
sites;



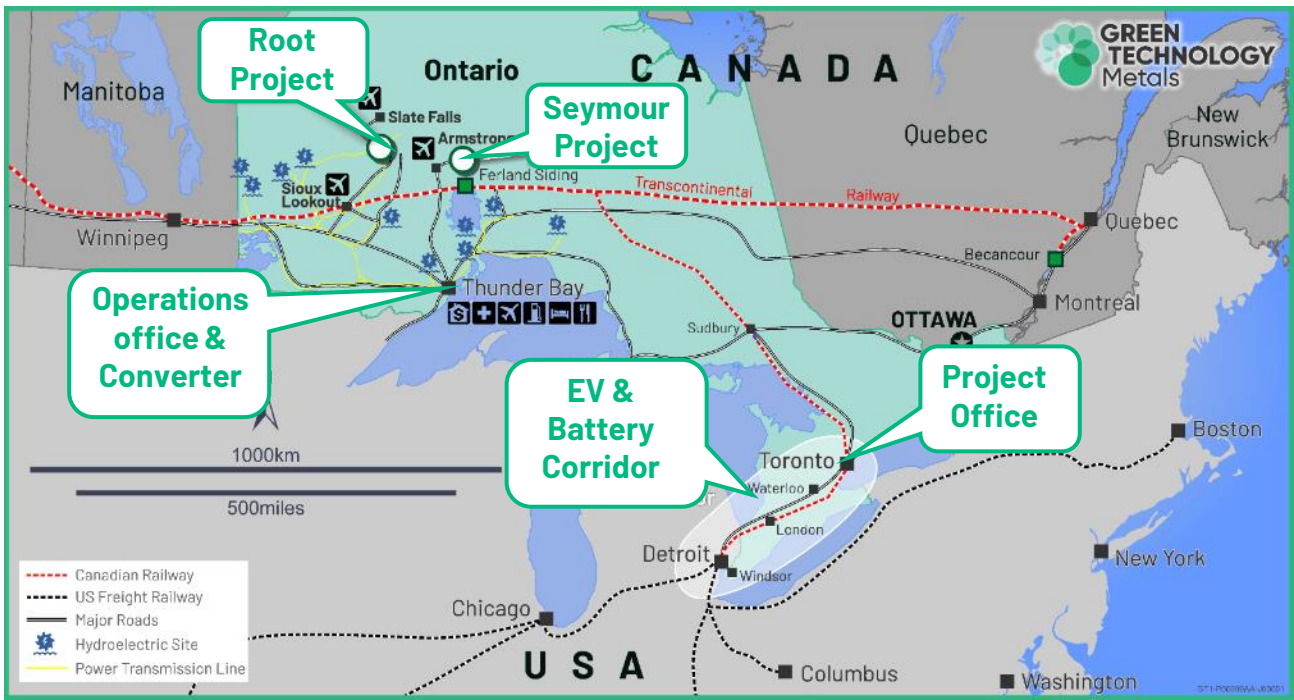
**HYDRO POWER ACCESS**  
Funding received for Jackfish  
Hydro project ~7km from  
Seymour.  
230kV Wataynikaneyap Power  
line through Root Project



**TRANS CANADIAN RAIL  
ACCESS**– Ferland rail siding at  
Seymour for potential  
load/unload



Watay powerline running east  
side through Root Lithium Project

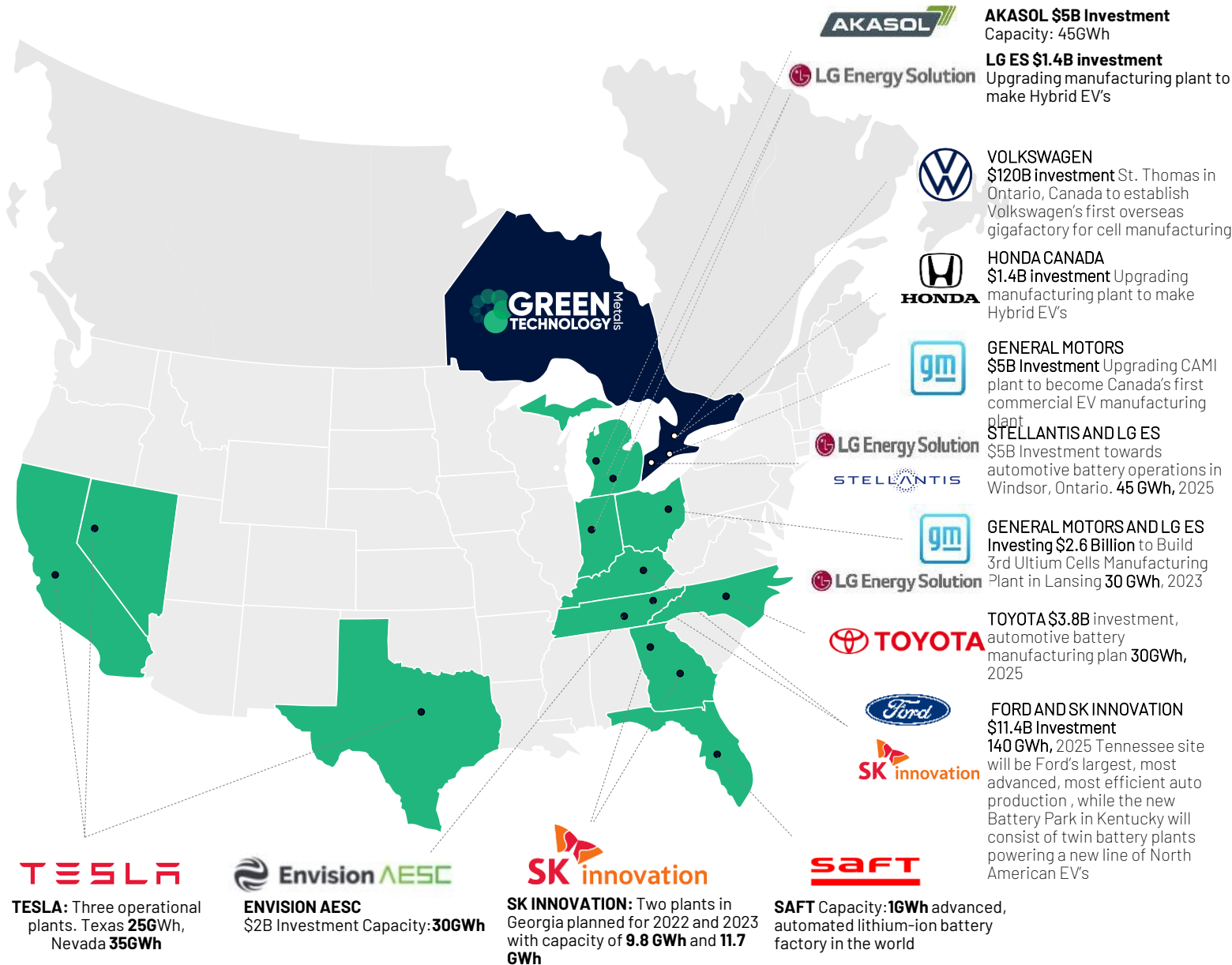
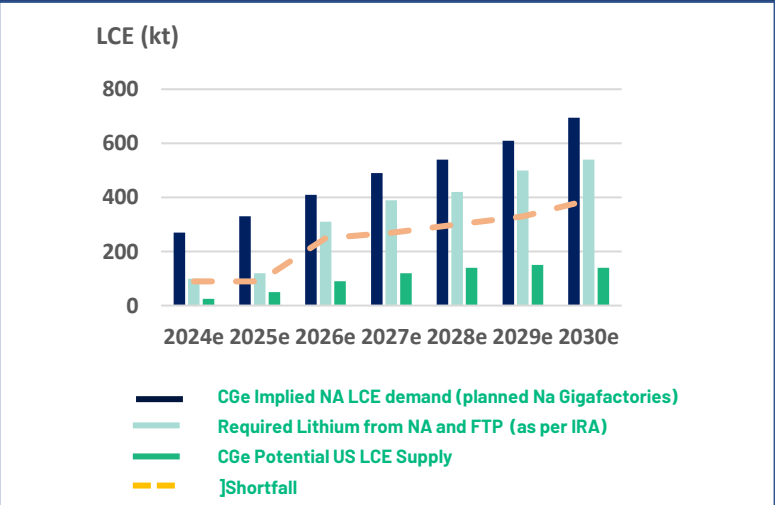


# NORTH AMERICAN SUPPLY CHAIN

## US Battery plants expected to require 40x current LiOH Capacity

- Lithium-ion battery production capacity pipeline to 2030 increases to 8.1 TWh, tracking 372 plants globally
- North American EV battery production forecast to reach 1 TWh annually by 2030
- Even if production from known assets were to double against planned capacities, implied North American demand would exceed supply by 40%

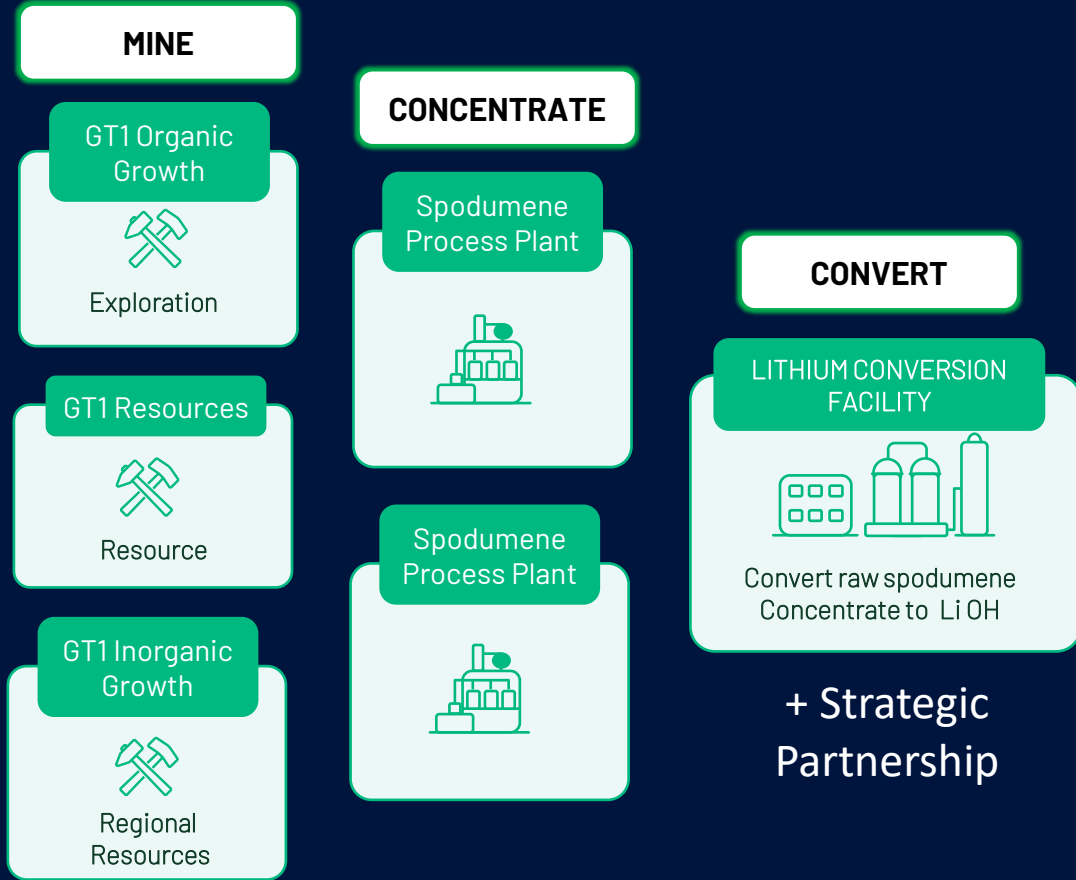
## Implied North American lithium demand vs. potential US supply



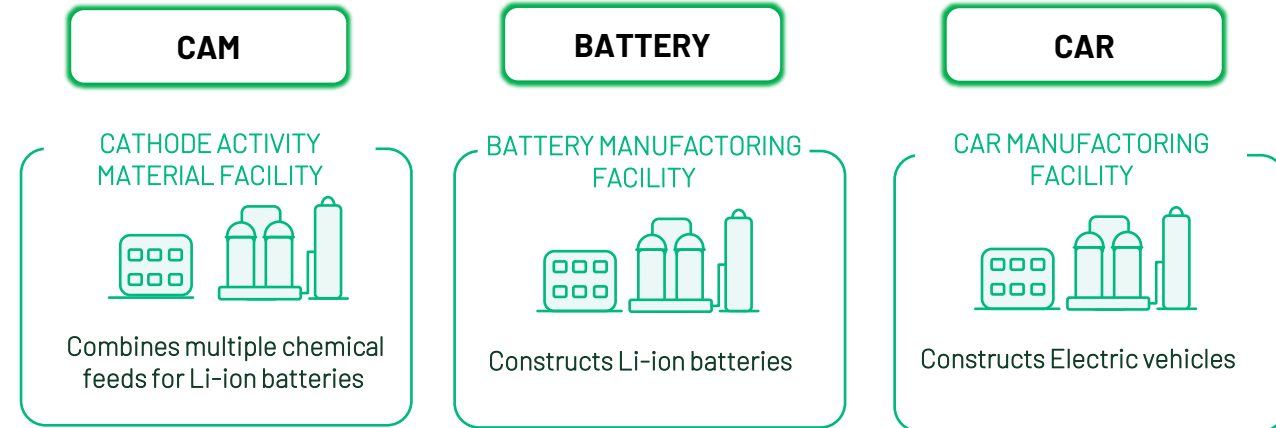
1. Benchmark Mineral Intelligence ,Canaccord Genuity and Company findings



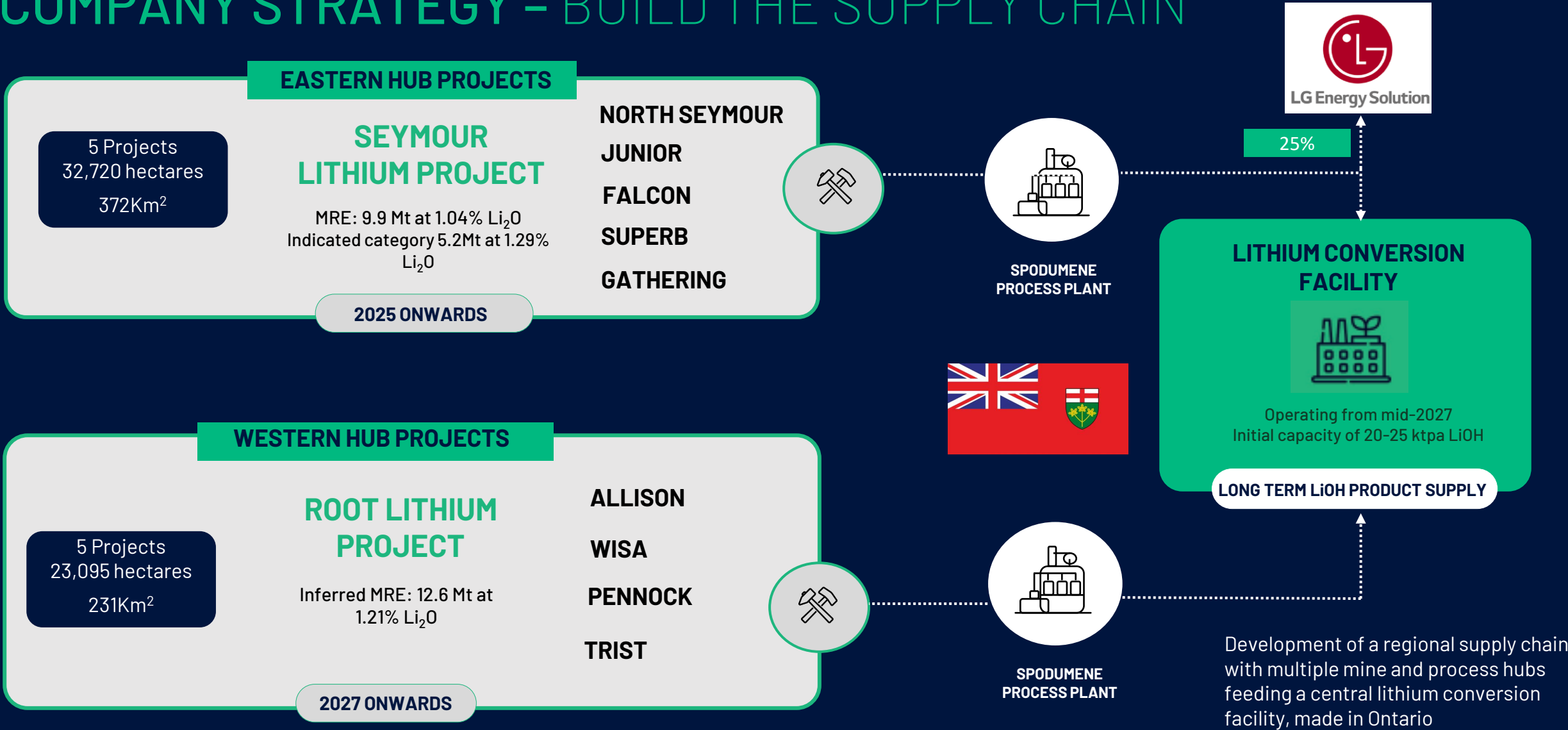
# SUPPLY CHAIN ROCK TO EV-BATTERY



+ Strategic Partnership



# COMPANY STRATEGY – BUILD THE SUPPLY CHAIN



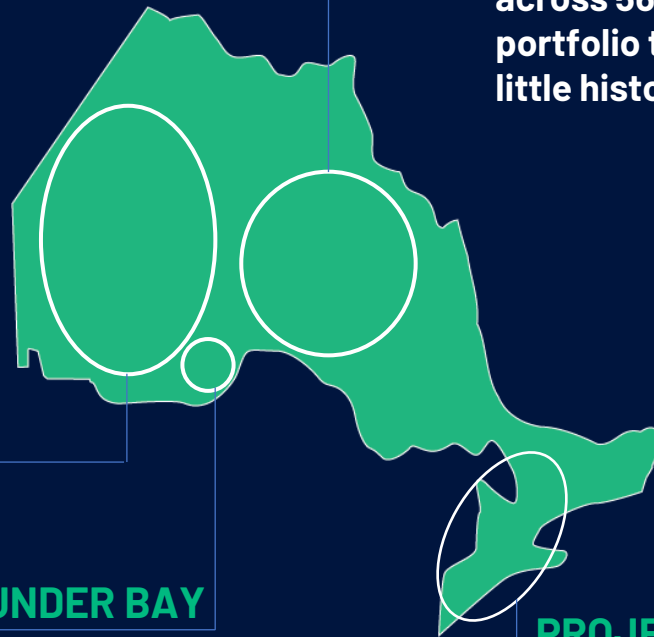
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2. Potential lithium chemical conversion facility capacities presented are to be evaluated by the Company as part of its downstream and integrated feasibility study work, which is targeted for completion in H1 CY24. The numbers are not projections of future production and investors are cautioned not to rely on the potential plant capacities as being indicative of forecast production volumes.

# 2023 PLANNED WORK PROGRAMS

## EASTERN HUB

- Field exploration program expanded to include Junior Lake, Superb, North Seymour tenement area and Falcon
- Exploration diamond drilling program to commence following field exploration on potential new identified targets areas
- Infill drilling at North and South Aubry



**Large-scale exploration program underway over highly prospective targets across 56k ha (560km<sup>2</sup>) portfolio that have seen very little historical work**

## WESTERN HUB

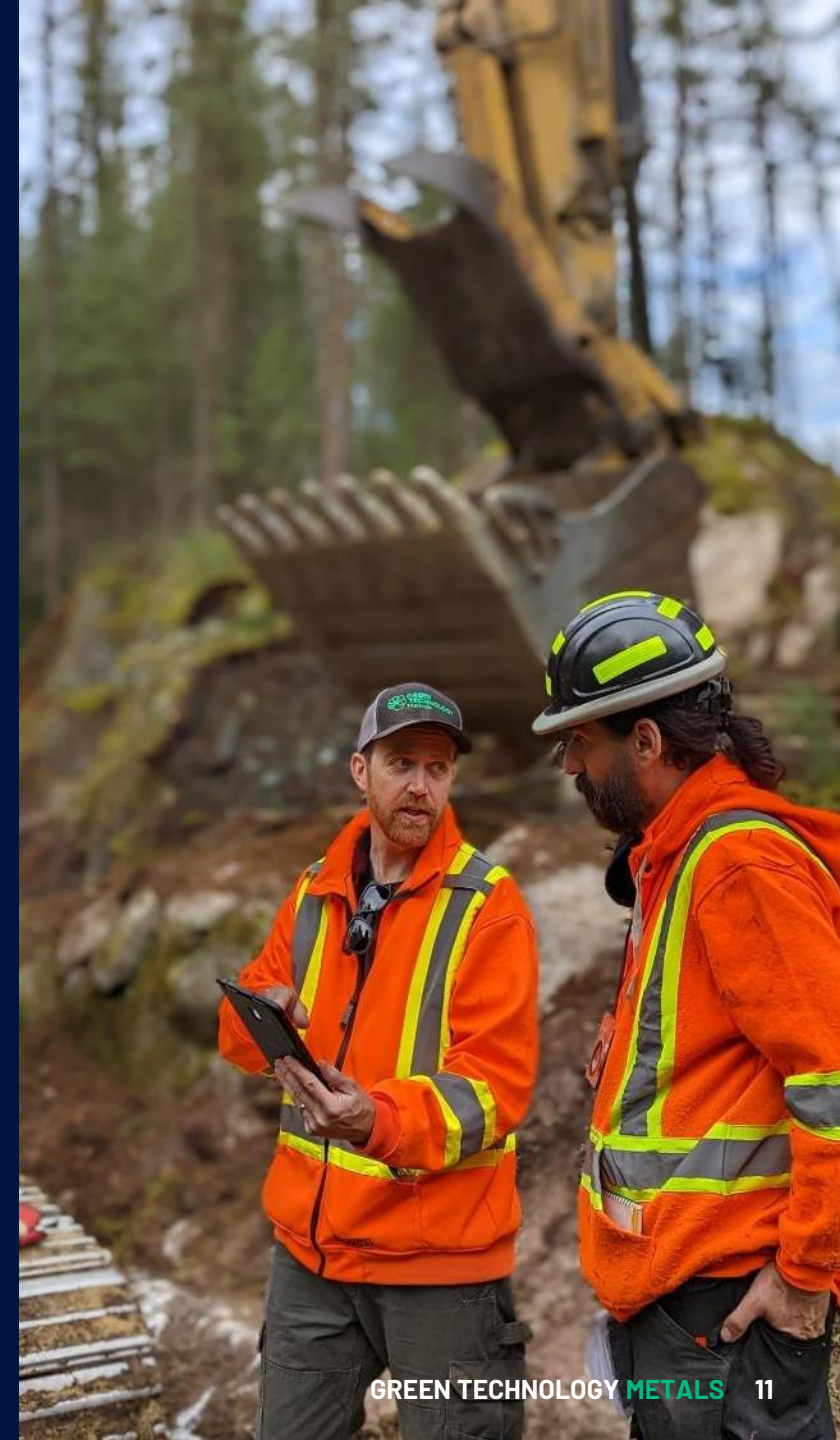
- Expanded large-scale field exploration across the Root project, Pennock, Allison and Trist
- 22,000m Infill and extension drilling focused at Root Bay
- Exploration diamond drilling over identified priority target areas

## THUNDER BAY

Due Diligence underway at conversion facility

## PROJECT DEVELOPMENT

- Seymour and Root project studies
- Metallurgical test work
- Government Funding
- Strategic Partners





# EASTERN HUB EXPLORATION

Only 2,030 Ha of the 32,720 Ha tenure has been explored with great upside potential to discover further lithium resources

Large-scale exploration program underway

## Junior Lake

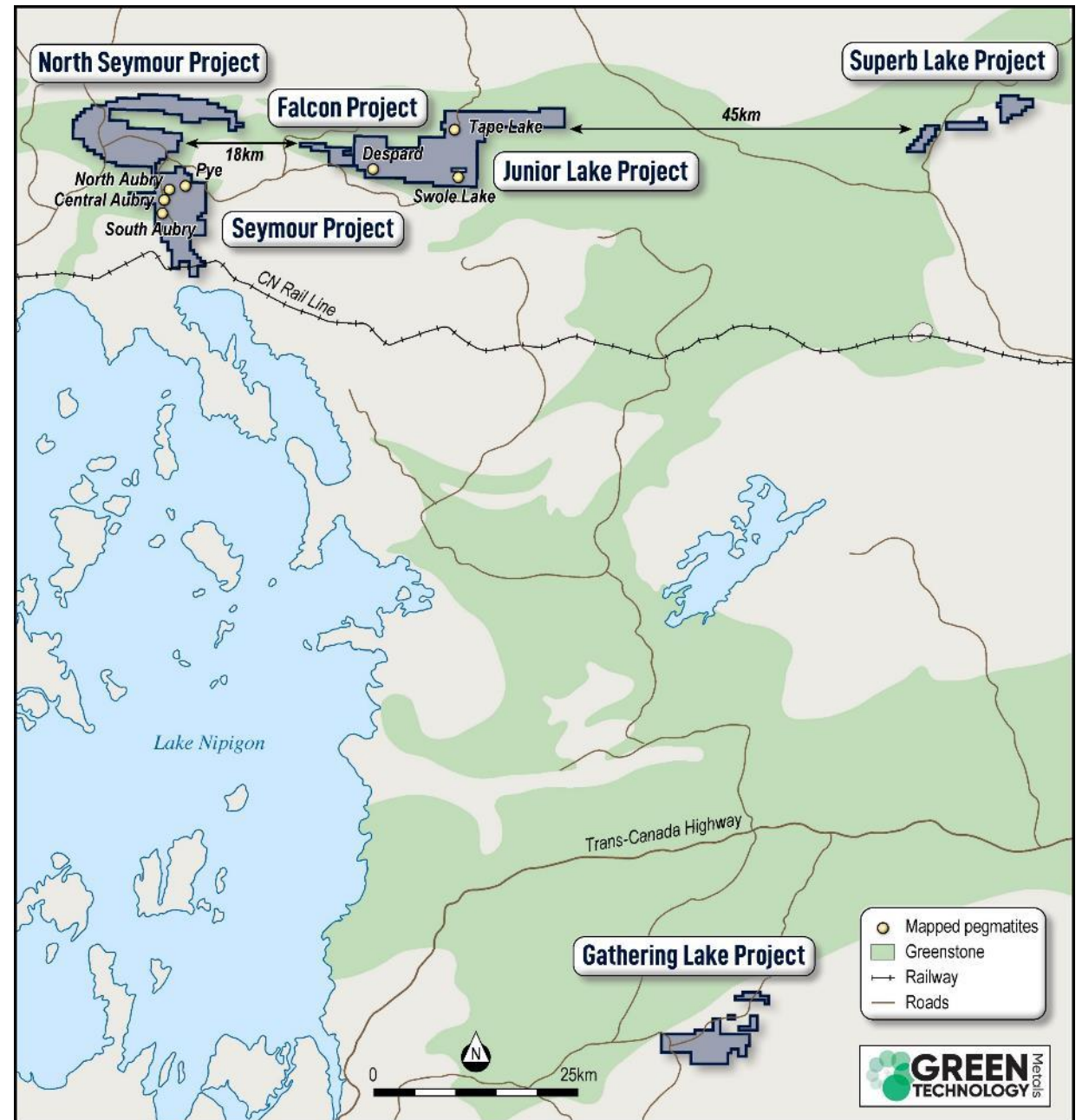
Host to 3 drill-ready LCT pegmatite prospects, indicating the Project's lithium potential. Exploration has commenced at the Tape Lake target area

## North Seymour

Tenements lie on the same greenstone belt as the Aubry deposits and exhibits many of the same structural and geophysical features that are believed to be the controls of the spodumene and pegmatite mineralisation and emplacement

## Falcon Lake

Highly prospective for Lithium exploration, heavily underexplored and underlain by the east-west trending Caribou Lake-O'Sullivan Greenstone Belt

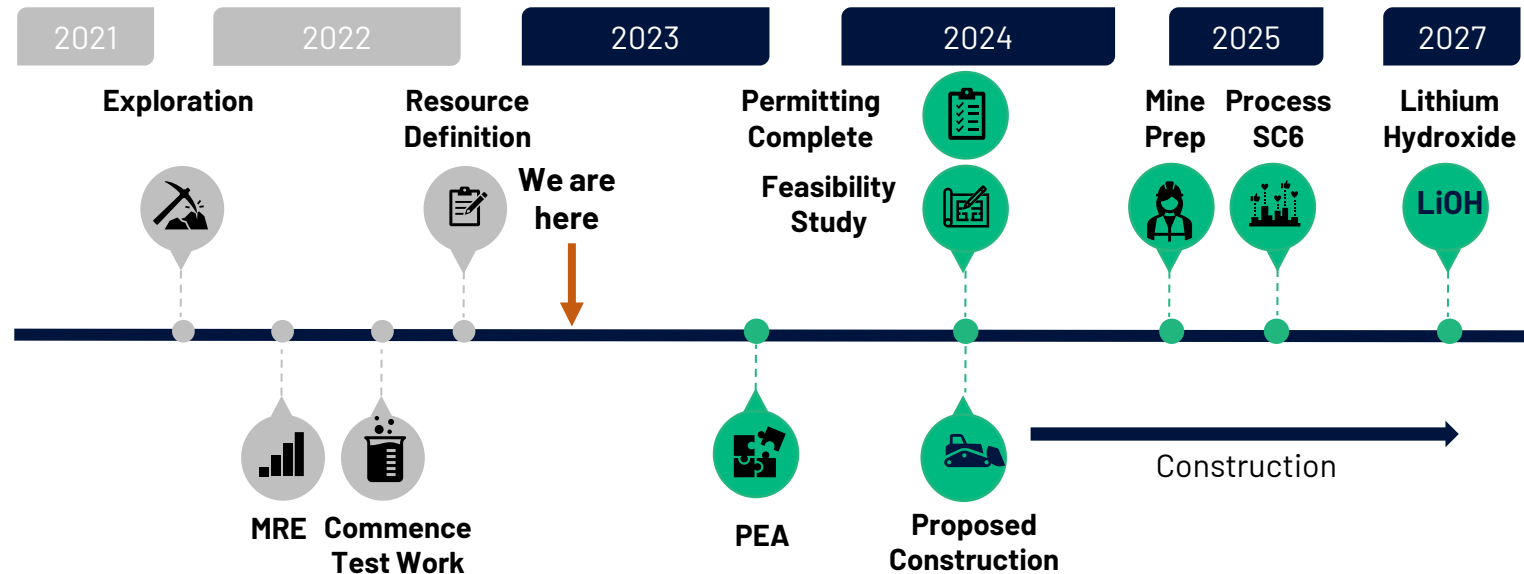


# EASTERN HUB DEVELOPMENT

## Seymour - Rapidly advancing project development

- ✓ Year 3 of the required 3 years of environmental baseline studies
- ✓ Heavy Liquid Separation Test Work and Dense Media Separation test work - Complete
- Ongoing Indigenous and Public consultation
- Environmental Impact assessments, with environmental baseline studies in final year
- Metallurgical test work including, Bulk Sample, DMS variability, flowsheet optimisation and chemical conversion programs
- Concentrator, Infrastructure and Converter design
- Vertically Integrated Preliminary Economic Assessment Q4,23
- Definitive Feasibility Study - Seymour Mine and Concentrator Q2 24
- Development of Project Execution Plan

## DEVELOPMENT TIMELINE



# WESTERN HUB EXPLORATION

Inferred MRE of 12.6 @ 1.21%  $\text{Li}_2\text{O}$

Immediate success from maiden **Root Bay** 36 hole diamond drill program with an inferred 8.1 Mt at 1.32%  $\text{Li}_2\text{O}$  - 1.3m strike, part of the 20km wide Root Lithium Project

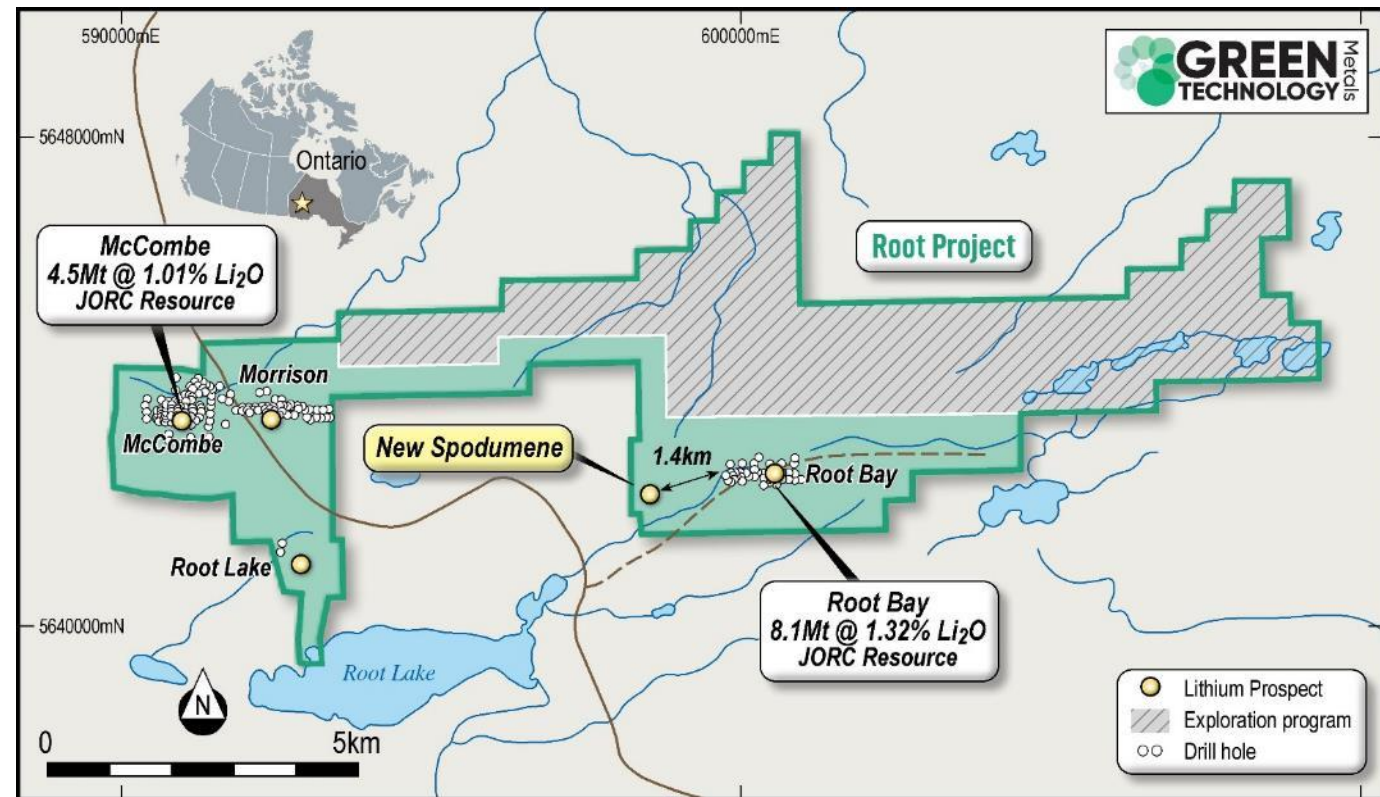
Significant potential for further Mineral Resource growth along strike and down dip and across the larger Root project area

## Field exploration commenced

Along trend east and west of Root Bay with immediate success. Expanded to Northern Root Tenement area to identify new priority drill targets with **Root Bay** remaining the primary infill and extensional diamond drilling campaign

Exploration expanded to include **Allison Lake, Pennock Lake and Trist** for exploration in 2023

# PLANNED EXPLORATION AREA ROOT PROJECT



Root has an Inferred Mineral Resource Estimate of 12.6 Mt @ 1.21%  $\text{Li}_2\text{O}$ . Refer to GT1 ASX release dated 7 June 2023, 22.5Mt Mineral Resource base across Ontario Lithium Projects.

For information regarding the new spodumene occurrence, please refer to ASX Announcement: dated 26 June 2023.



# WESTERN HUB DEVELOPMENT

## Root – Commencement of project development

- ✓ Commenced environmental baseline studies
- Pre-Feasibility Study, Root Mine and Concentrator Q3, 2024
- Metallurgical test work
- Commenced development of conceptual site layouts to allow a geotechnical testing program during H2 2023
- Development of Project Execution Plan
- A metallurgical testwork program for Root Bay and McCombe deposits has been developed and proposals received from testing laboratories - contract to be awarded in the coming weeks.
- Variability testwork program to commence in August 2023 supporting both the preliminary economic assessment and prefeasibility study for the Root Project





# Contacts

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## **Share registry**

### **Automic Group**

Email: [hello@automic.com.au](mailto:hello@automic.com.au)

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# APPENDIX | MINERAL RESOURCE ESTIMATE

Project	Tonnes (Mt)	Li <sub>2</sub> O (%)	Ta <sub>2</sub> O <sub>5</sub> (ppm)
<b>Root Project</b>			
<i>Root Bay</i>			
Inferred	8.1	1.32	35
<i>McCombe</i>			
Inferred	4.5	1.01	110
<b>Total</b>	<b>12.6</b>	<b>1.21</b>	<b>62</b>
<b>Seymour Project<sup>1</sup></b>			
<i>North Aubry</i>			
Indicated	5.2	1.29	161
Inferred	2.6	0.90	120
<i>South Aubry</i>			
Inferred	2.1	0.50	90
<b>Total</b>	<b>9.9</b>	<b>1.04</b>	<b>137</b>
<b>Combined Total</b>	<b>22.5</b>	<b>1.14</b>	<b>95</b>

For full details of the Seymour Mineral Resource estimate, see GT1 ASX release dated 23 June 2022, Interim Seymour Mineral Resource Doubles to 9.9Mt. For full details of the Root Mineral Resource estimate, see GT1 ASX release dated 7 June 2023, 22.5Mt Mineral Resource base across Ontario Lithium Projects. The Company confirms that it is not aware of any new information or data that materially affects the information in that release and that the material assumptions and technical parameters underpinning this estimate continue to apply and have not materially changed.



# APPENDIX | DISCLAIMER

**Important information:** Green Technology Metals Limited (ASX GT1) ACN 648 657 649 (the "Company") is the issuer of this presentation.

**Not a disclosure document:** This presentation is not a disclosure document for the purposes of Chapter 6D of the Corporations Act 2001 (Cth) ("Corporations Act") and does not purport to include the information required of such a disclosure document. It has not been lodged with or approved by any regulatory authority, such as the Australian Securities and Investments Commission ("ASIC") or the Australian Securities Exchange ("ASX").

**Forward-looking statements:** This presentation contains forward-looking statements. Those forward-looking statements reflect views held only as at the date of this presentation. Any such statement is subject to inherent risks and uncertainties. Actual events or results may differ materially from the events or results expressed or implied in any forward-looking statement, and such deviations are both normal and to be expected. Investors must make their own assessment about the likelihood of a matter, about which a forward looking statement is made, occurring. The Company makes no representation about the likelihood of a matter, about which a forward-looking statement is made, occurring. The Company and its directors, employees, agents, advisers and consultants: give no representation or warranty to a recipient of this presentation as to the accuracy or completeness of the statements contained in this presentation or in relation to any other matter; and to the fullest extent permitted by law, disclaim responsibility for and have no liability to a recipient of this presentation for any error or omission in or for any statement in this presentation.

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**No New Information:** The information in this release that relates to Mineral Resource Estimates for the Ontario Lithium Projects was released on the ASX dated 23 June 2022, "Interim Seymour Mineral Resource Doubles" 19 April 2023, "GT1 Mineral Resources Increased to 14.4MT" and 7 June 2023, 22.5Mt Mineral Resource base across Ontario Lithium Projects. The Company confirms that it is not aware of any new information or data that materially affects the information in the releases and that the material assumptions and technical parameters underpinning these estimates continue to apply and have not materially changed.



# APPENDIX | COMPETENT PERSONS STATEMENT

The information in this Presentation that relates to the Exploration Results is based on activities carried out by Mr Luke Cox. Mr Cox has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and the activity they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code 2012). Mr Cox consents to the inclusion in this Presentation of the matters based on the information in the form and context in which it appears in this Presentation. Mr Cox is the Chief Executive Officer of the Company and holds securities in the Company. The Company confirms there have been no material changes to exploration results since first reported in accordance with Listing Rule 5.7.