



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

Investor Presentation – Paydirt Conference
March 2023

ASX | GT1

BOARD AND MANAGEMENT

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

BOARD OF DIRECTORS



**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

MANAGEMENT TEAM

LUKE COX

Chief Executive Officer

Geologist and mine manager with 25 years
industry experience including Li, Ni and Co
projects and operations'

MATT HERBERT

Chief Operating Officer

Multi-commodity geologist with 20+ years
experience in mining and processing that
spans Australia, PNG and Canada

NICK RATHJEN

Head of Corporate
Development

Commercial professional with more than 10
years' experience in equity capital markets
and corporate development

**JOHN
WINTERBOTTOM**

General Manager
Technical Services

Geologist with +30 years experience in
mining and exploration over a wide range of
hard rock minerals.

NATHAN SIMS

Exploration Manager

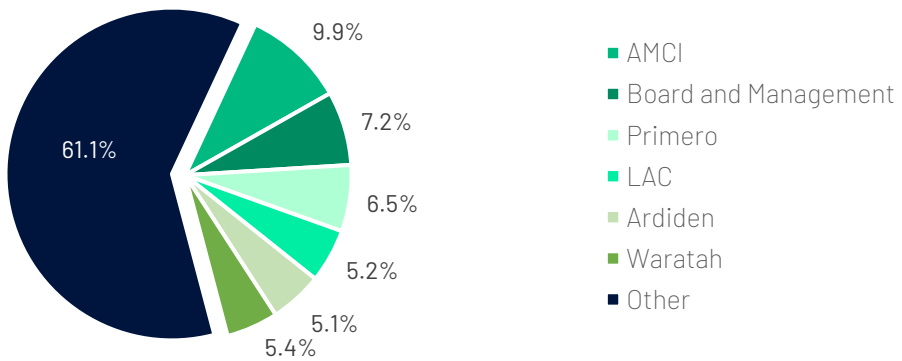
Exploration Manager specialising in the
Ontario Green Stone belt with prior
experience in GT1 projects





CORPORATE SNAPSHOT



SHARE REGISTER



BROKER RESEARCH COVERAGE

	Canaccord Genuity (Australia) Limited		Bell Potter Securities
Coverage Date:	25 October 2022	Coverage Date:	31 October 2022
Analyst:	Tim Hoff Senior Mining Analyst	Analyst:	Stuart Howe Senior Analyst



NORTH AMERICAN SUPPLY CHAIN

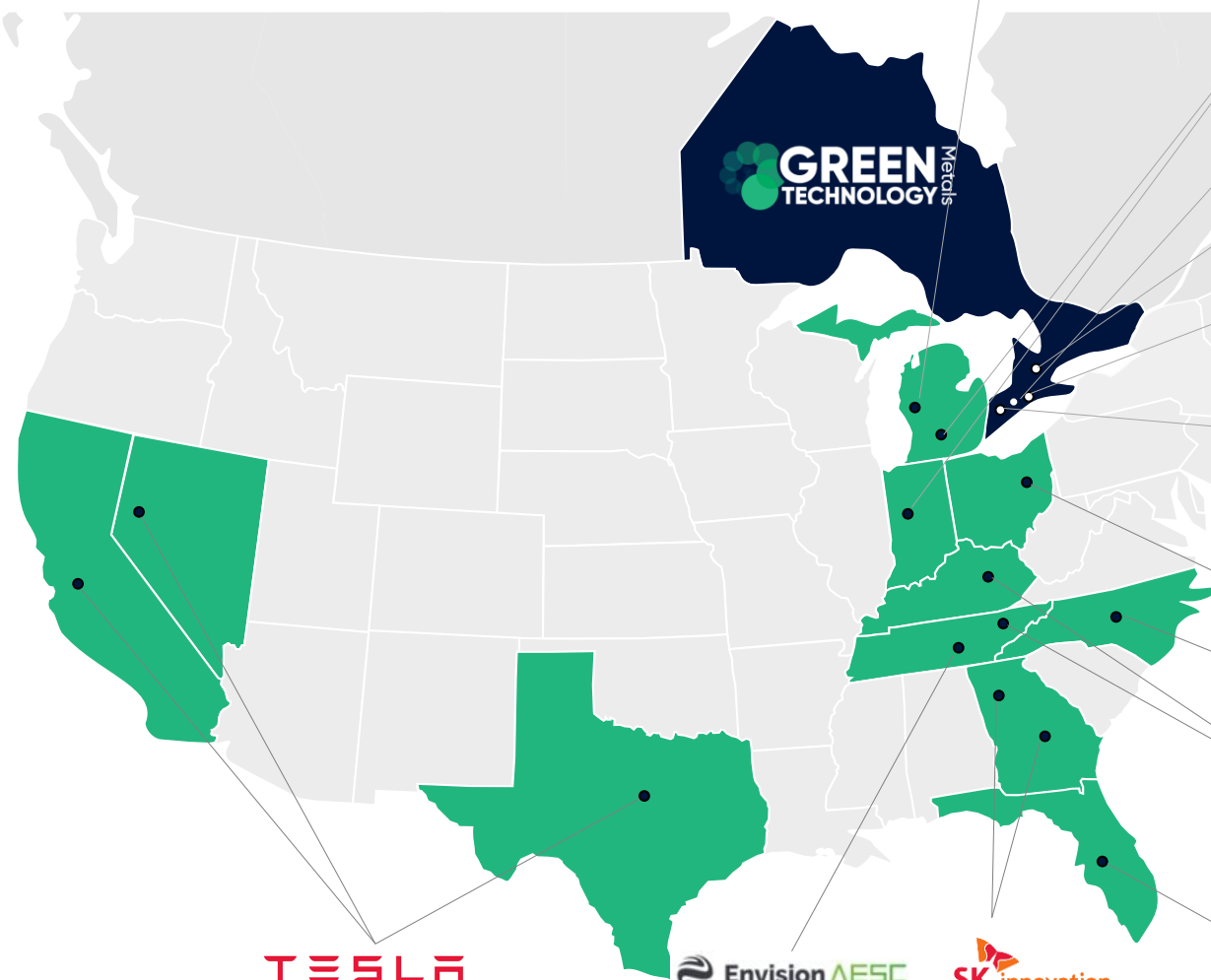
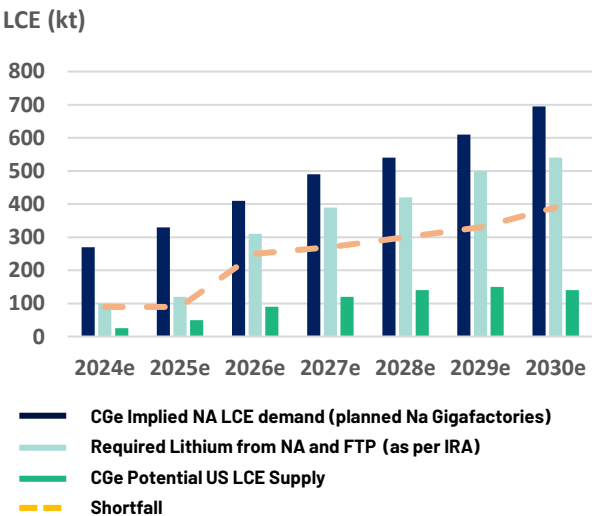
US Battery plants expected to require 40x current LiOH Capacity

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



TESLA

TESLA: Three operational plants. Texas 25GWh, Nevada 35 GWh

Envision AESC

ENVISION AESC \$2B Investment Capacity: **30GWh**

SK innovation

SK INNOVATION: Two plants in Georgia planned for 2022 and 2023 with capacity of **9.8 GWh** and **11.7 GWh**

SAFT

SAFT Capacity: **10GWh** advanced, automated lithium-ion battery factory in the world

AKASOL

AKASOL \$5B Investment Capacity: **45GWh**

LG Energy Solution

LG ES \$1.4B investment Upgrading manufacturing plant to make Hybrid EV's

VOLKSWAGEN

VOLKSWAGEN St. Thomas in Ontario, Canada to establish Volkswagen's first overseas gigafactory for cell manufacturing

HONDA

HONDA CANADA \$1.4B investment Upgrading manufacturing plant to make Hybrid EV's

gm

GENERAL MOTORS \$5B Investment Upgrading CAMI plant to become Canada's first commercial EV manufacturing plant

LG Energy Solution
STELLANTIS

STELLANTIS AND LG ES \$5B Investment towards automotive battery operations in Windsor, Ontario. **45 GWh**, 2025

gm
LG Energy Solution

GENERAL MOTORS AND LG ES Investing **\$2.6 Billion** to Build 3rd Ultium Cells Manufacturing Plant in Lansing **30 GWh**, 2023

TOYOTA

TOYOTA \$3.8B investment, automotive battery manufacturing plan **30GWh**, 2025

Ford

SK innovation

FORD AND SK INNOVATION \$11.4B Investment **140 GWh**, 2025 Tennessee site will be Ford's largest, most advanced, most efficient auto production, while the new Battery Park in Kentucky will consist of twin battery plants powering a new line of North American EV's



COMPANY OVERVIEW

Extensive Portfolio of targets in Tier-1 jurisdiction

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

Moving from an Explorer to Developer

works streams running in parallel while we rapidly grow our resources and develop our path to production

9.9 Mt

SEYMOUR JORC
MINERAL RESOURCE
ESTIMATE

1.04%

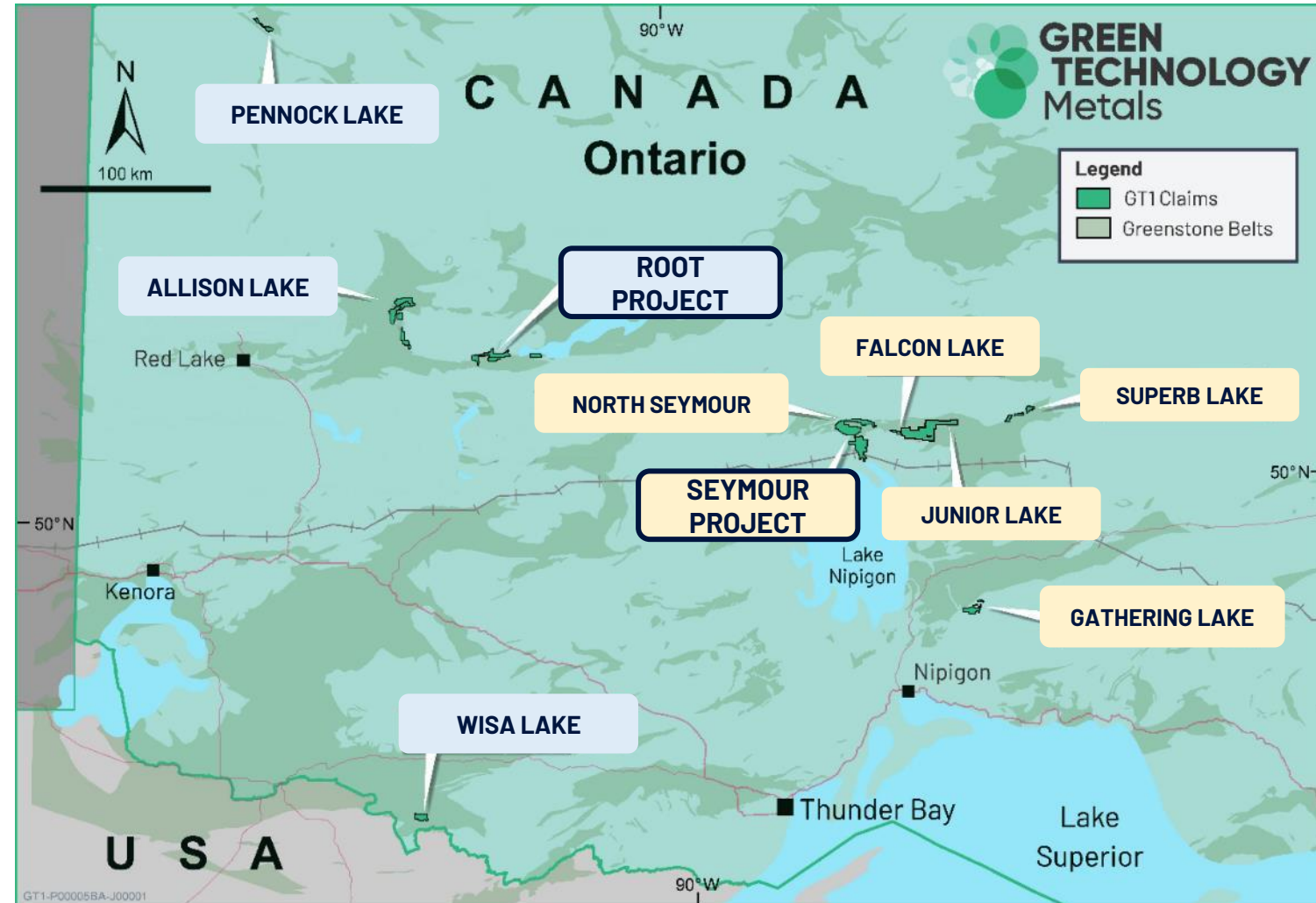
AVERAGE Li_2O GRADE
WITH INDICATED
5.2 Mt @ 1.29%

10 PROJECT AREAS

HIGHLY PROSPECTIVE
AND UNDEREXPLORED

56k Ha - 560km²

CLAIM BASE IN
PRIME PEGMATITE
COUNTRY



INFRASTRUCTURE CORRIDOR



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



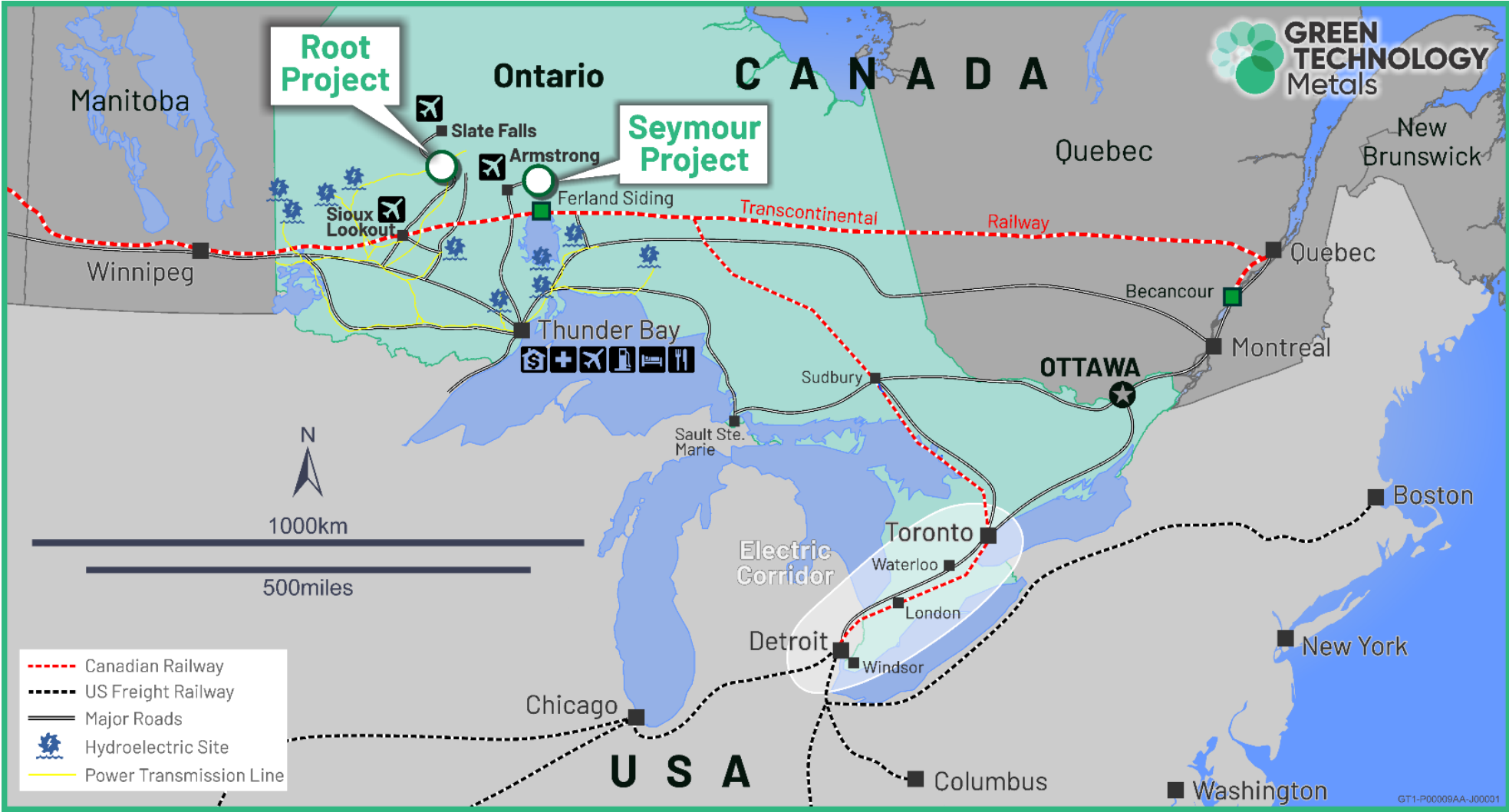
ALL-WEATHER AIRPORTS
within 20-30 mins of both sites;
fixed wing, helicopter and emergency response access



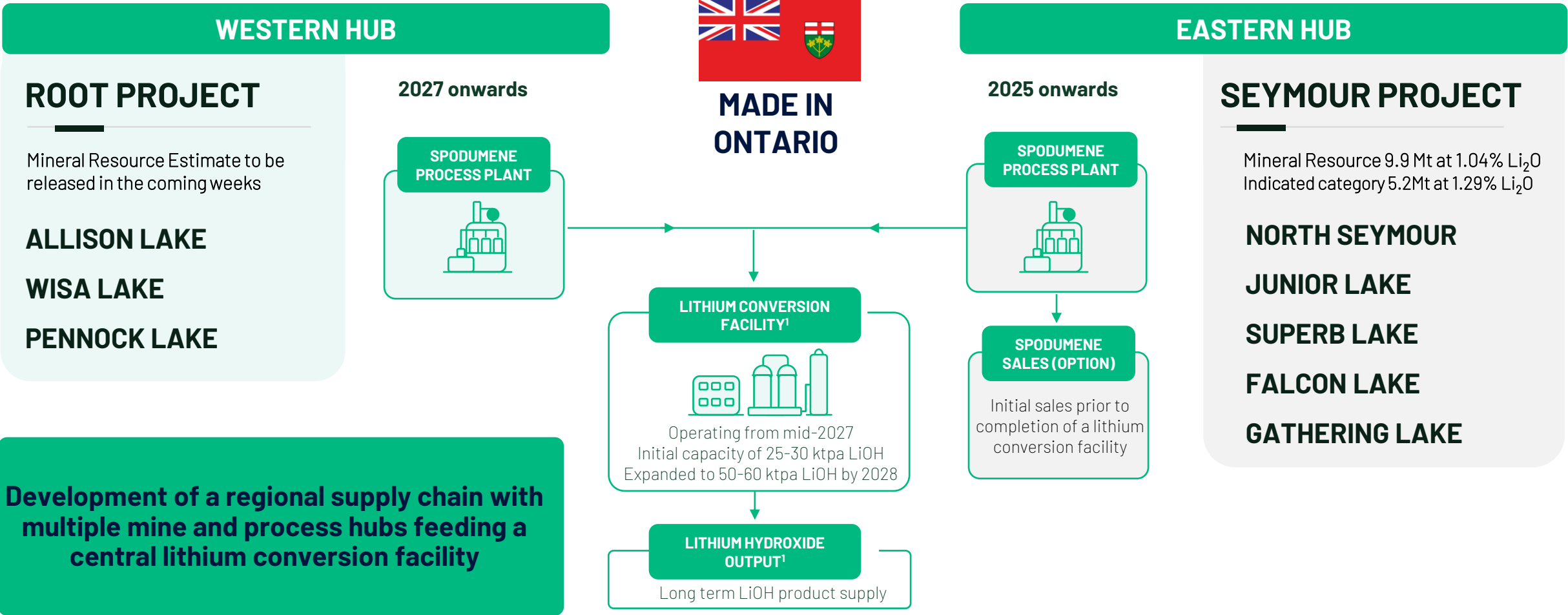
TRANS CANADIAN RAIL ACCESS - Ferland rail siding at Seymour for potential load/unload - connects to US rail system



HYDRO POWER ACCESS
Seymour planning for Jackfish Hydro project, 7km from site; Root has recently energised 230kV Wataynikaneyap Power line through tenements



COMPANY STRATEGY – BUILD THE SUPPLY CHAIN



1. 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.



WORK PROGRAMS PLANNED THROUGH 2023

Positioned to become the first lithium hydroxide producer in the Ontario region

EXPLORATION

EASTERN HUB

- Progressing from Exploration to Development to be construction ready by 2024
- Summer exploration program to include mapping and sampling of North Seymour, Junior Lake and Falcon Lake project areas
- 1200m drilling planned for 2 highly prospective areas at Junior Lake

WESTERN HUB

- Maiden resource for Root to be released Q1 23
- Drilling commencing at Root Bay

Review underway to prioritise and explore other highly prospective target across 56k ha (560km²) portfolio that have seen very little historical work



EASTERN HUB EXPLORATION

TARGET AREAS

NORTH SEYMOUR

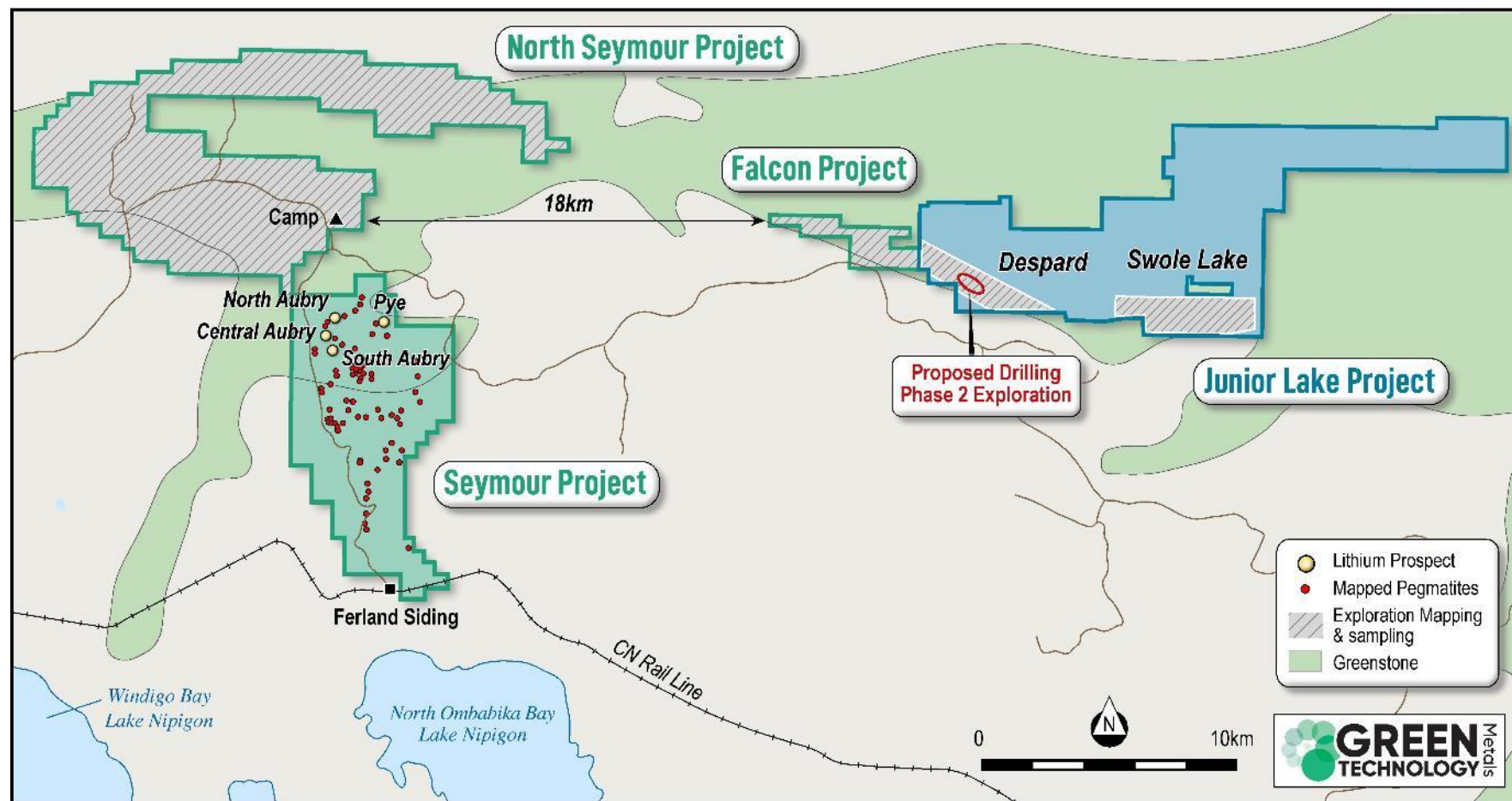
- 9135 hectares (91km²)
- No previous exploration undertaken by GT1
- Located North of the Seymour project

JUNIOR LAKE

- 10,856 hectares (109km²)
- Host to 3 drill-ready LCT pegmatite prospects, indicating the Project's lithium potential

FALCON LAKE

- 816 hectares (8km²)
- Highly prospective for Lithium exploration, and heavily underexplored
- Project area is underlain by the east-west trending Caribou Lake-O'Sullivan Greenstone Belt



1. Channel Sampling has returned 2.38% at 12.4m – see announcement “New Discovery at Seymour” 9 November 2022.
2. See announcement “Lithium Option Signed for Project Adjacent to Seymour” 6 March 2023.

WESTERN HUB EXPLORATION

TARGET AREAS

MCCOMBE

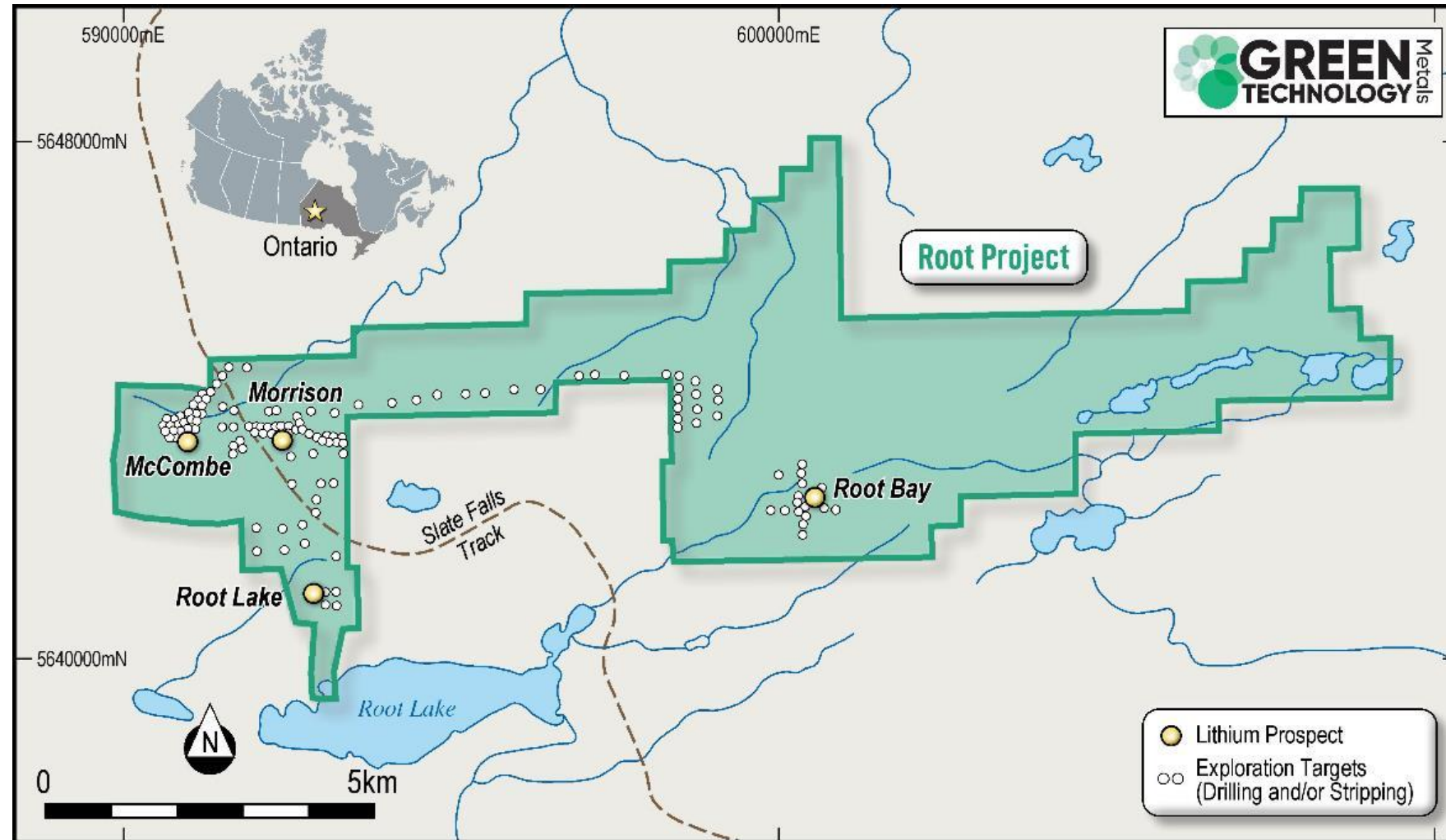
- Phase 2 diamond drilling at McCombe, assays pending for incorporation into the maiden resource
- Exceptional high-grade drill success - Highest Grade Drill Intercept to date 4.06% Li_2O

MORRISON

- Phase 1 drilling at Morrison nearing completion testing known pegmatites along strike and down dip
- High-grade lithium assays returned from maiden drill hole 10.6m @ 1.25% Li_2O from 54.0m

ROOT BAY

- Exposed LCT Pegmatite surface, No historical drilling
- Channel sample returned 14m @ 1.67% Li_2O including 3m at 2.24% Li_2O



1. Highest Grade Drill Intercept to date 4.06% Li_2O – see announcement “Highest Grade Intercept to Date at Root Project 4.06% Li_2O ” 22 November 2022.
2. High-grade lithium assays returned from maiden drill hole 10.6m @ 1.25%– see announcement “High Grade Lithium Assays From Maiden Morrison Drillhole” 7 February 2023

WORK PROGRAMS PLANNED THROUGH 2023

Positioned to become the first lithium hydroxide producer in the Ontario region

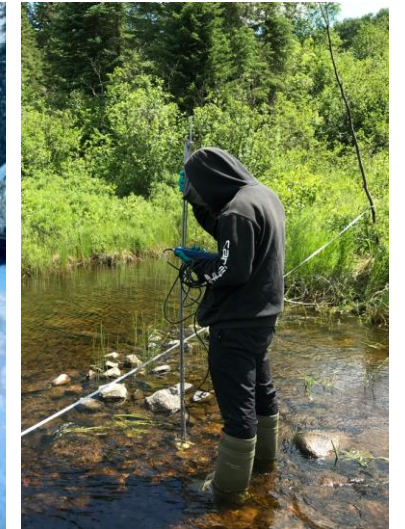
PROJECT DEVELOPMENT

Seymour - Rapidly advancing project development

- ✓ Completed 2 out of the required 3 years of environmental baseline studies
- ✓ Preliminary Heavy Liquid Separation Test Work – Complete
- Commencing Indigenous and Public consultation
- Advance 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
- PEA release in the coming weeks and immediate commencement of Feasibility Study
- Development of Project Execution Plan

Root – Building

- Commencement of Environmental baseline studies



WORK PROGRAMS PLANNED THROUGH 2023

Positioned to become the first lithium hydroxide producer in the Ontario region

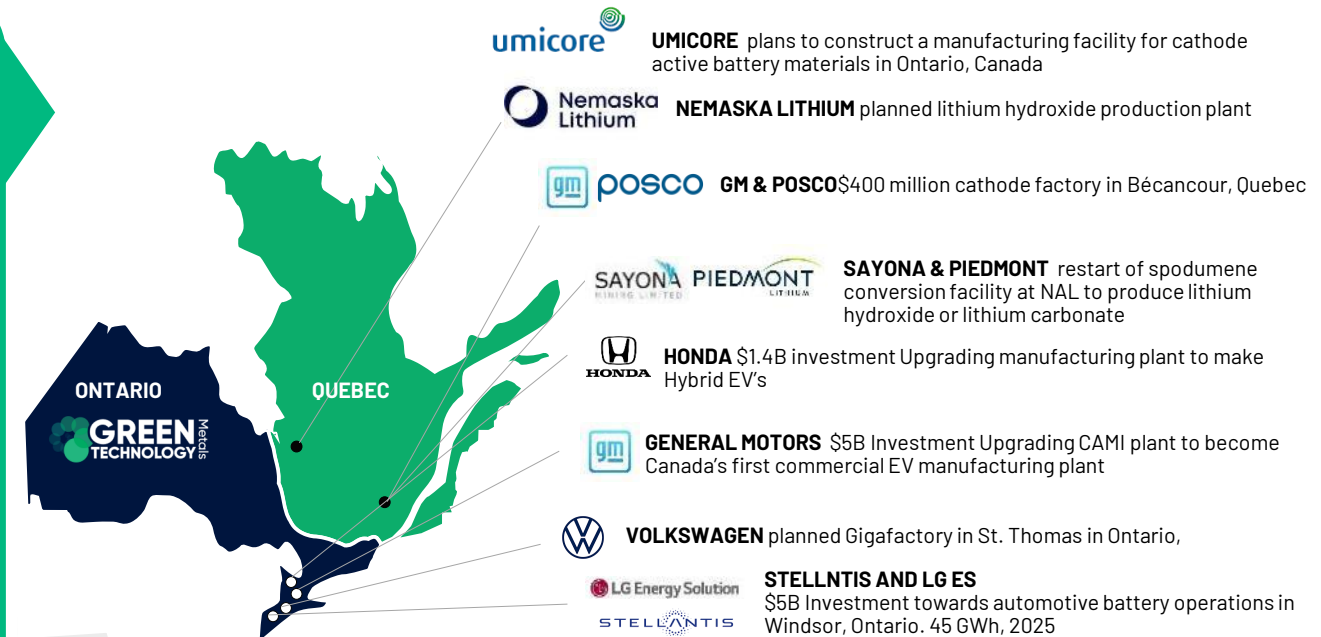
CORPORATE DEVELOPMENT

Built and made in Ontario

- Build on existing corporate presence in Ontario
- Increase lithium portfolio, focused on increasing potential Life of Mine at Seymour and development ready projects with near term potential to commence production.
- 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 Seymour processing plant and lithium conversion facility



Ontario

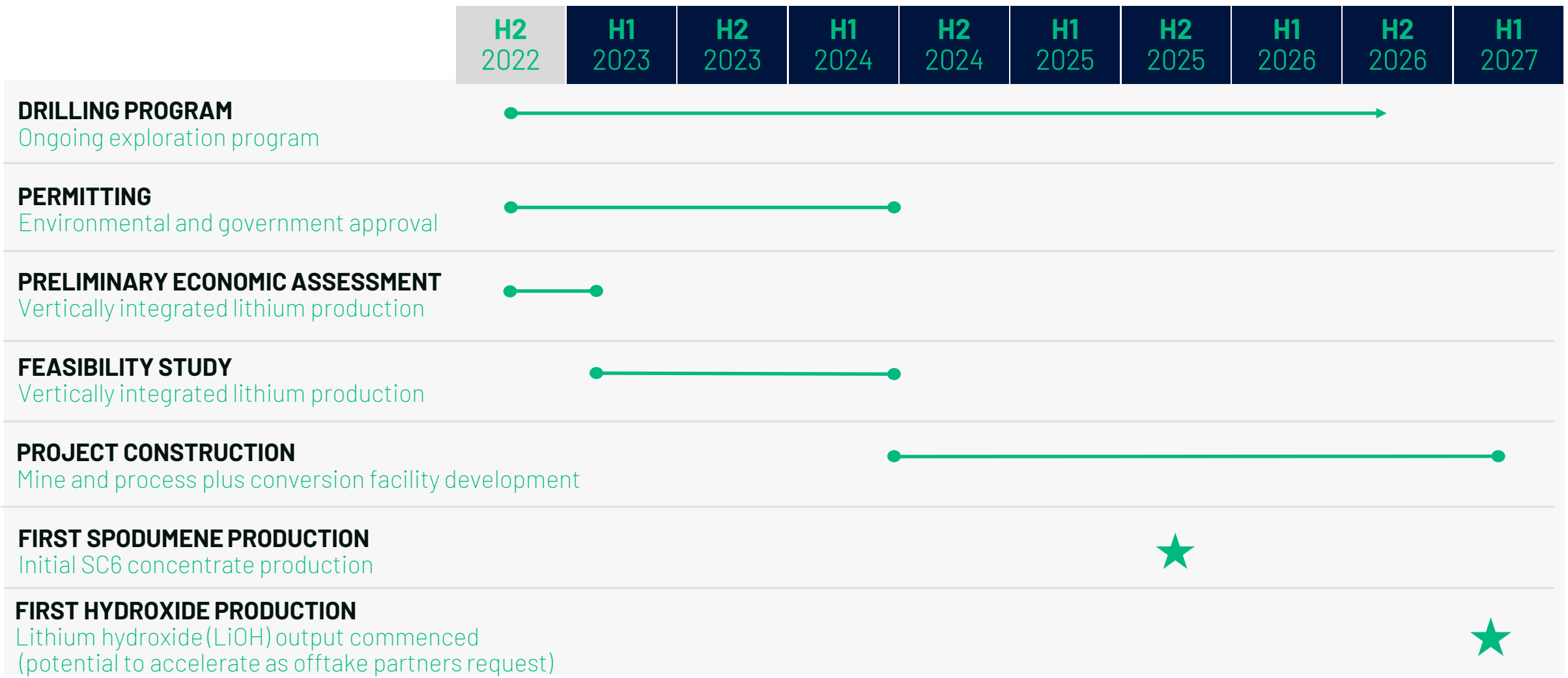


Canada



ACCELERATE DEVELOPMENT

First spodumene production targeted by mid-2025



1. Dates referenced are indicative

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ASX|GT1

OUR DELIVERY PLAN



Define



Partner



Unlock

APPENDIX | MINERAL RESOURCE ESTIMATE

Interim Mineral Resource update at Seymour follows completion of the successful Phase 1 drilling program at North Aubry

Seymour deposit	Mt	Li ₂ O (%)	Ta ₂ O ₅ (ppm)
North Aubry			
Indicated	5.2	1.29	161
Inferred	2.6	0.90	120
North Aubry total	7.8	1.17	148
South Aubry			
Inferred	2.1	0.5	90
South Aubry total	2.1	0.5	90
Global Seymour total	9.9	1.04	137

For full details of Mineral Resources estimates, please refer to ASX release dated 23 June 2022, "Interim Seymour Mineral Resource Doubles". Green Technology Metals confirms that it is not aware of any new information or data that materially affects the information included in the announcement. All material assumptions and technical parameters underpinning the estimates in those releases continue to apply and have not materially changed.



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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").

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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". 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 these estimates continue to apply and have not materially changed.



APPENDIX | COMPETENT PERSONS STATEMENT

The information in this presentation relating to the Mineral Resource estimate for the Seymour Project is extracted from the Company's ASX announcement dated 23 June 2022. GT1 confirms that it is not aware of any new information or data that materially affects the information included in the original announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply.

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.

