



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

GT1

ASX CODE

\$0.61

SHARE PRICE

\$155M

MARKET CAP

\$125.2

EV

\$29.8M

CASH

\$0

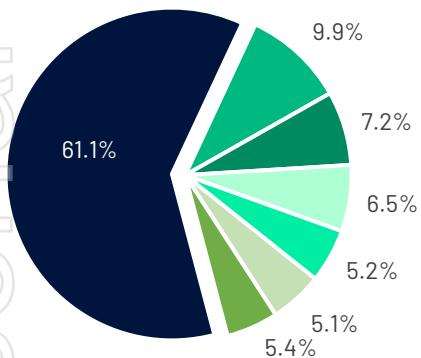
DEBT

253.9M SHARES ON ISSUE

5.8M OPTIONS

15.5M PERFORMANCE RIGHTS

SHARE REGISTER



- AMCI
- Board and Management
- Primero
- LAC
- Ardiden
- Waratah
- Other

BROKER RESEARCH COVERAGE



Canaccord Genuity
(Australia) Limited

Coverage Date: 25 October 2022

Analyst: Tim Hoff
Senior Mining Analyst



Bell Potter
Securities

Coverage Date: 31 October 2022

Analyst: Stuart Howe
Senior Analyst

NORTH AMERICAN SUPPLY CHAIN

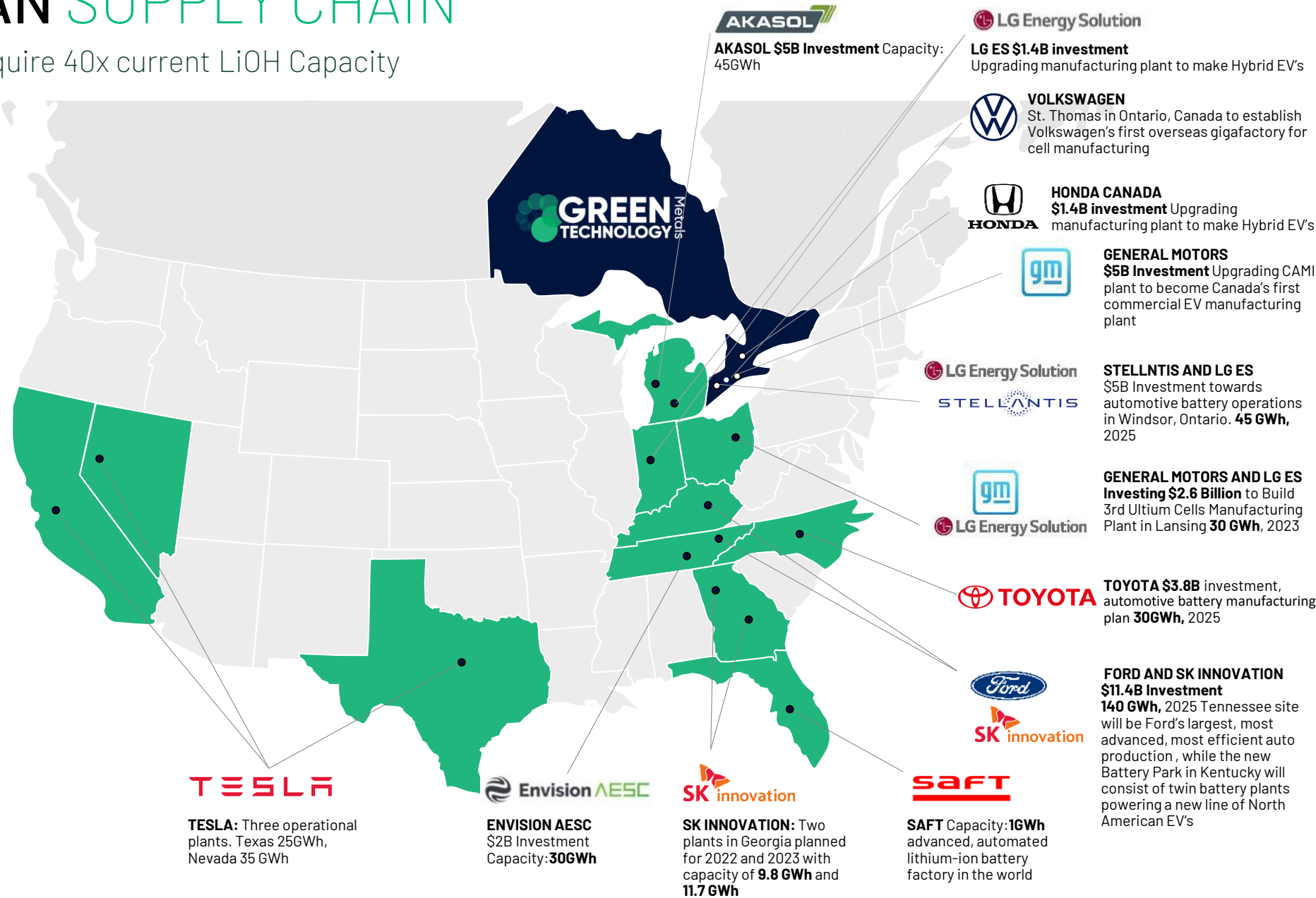
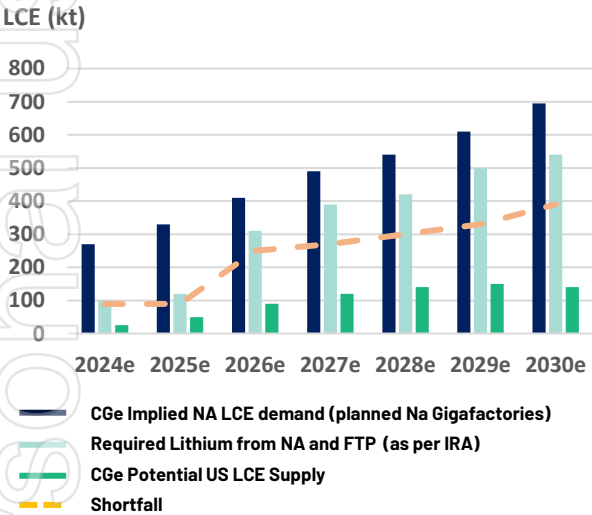
US Battery plants expected to require 40x current LiOH Capacity

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



1. Benchmark Mineral Intelligence ,Canaccord Genuity and Company findings

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%

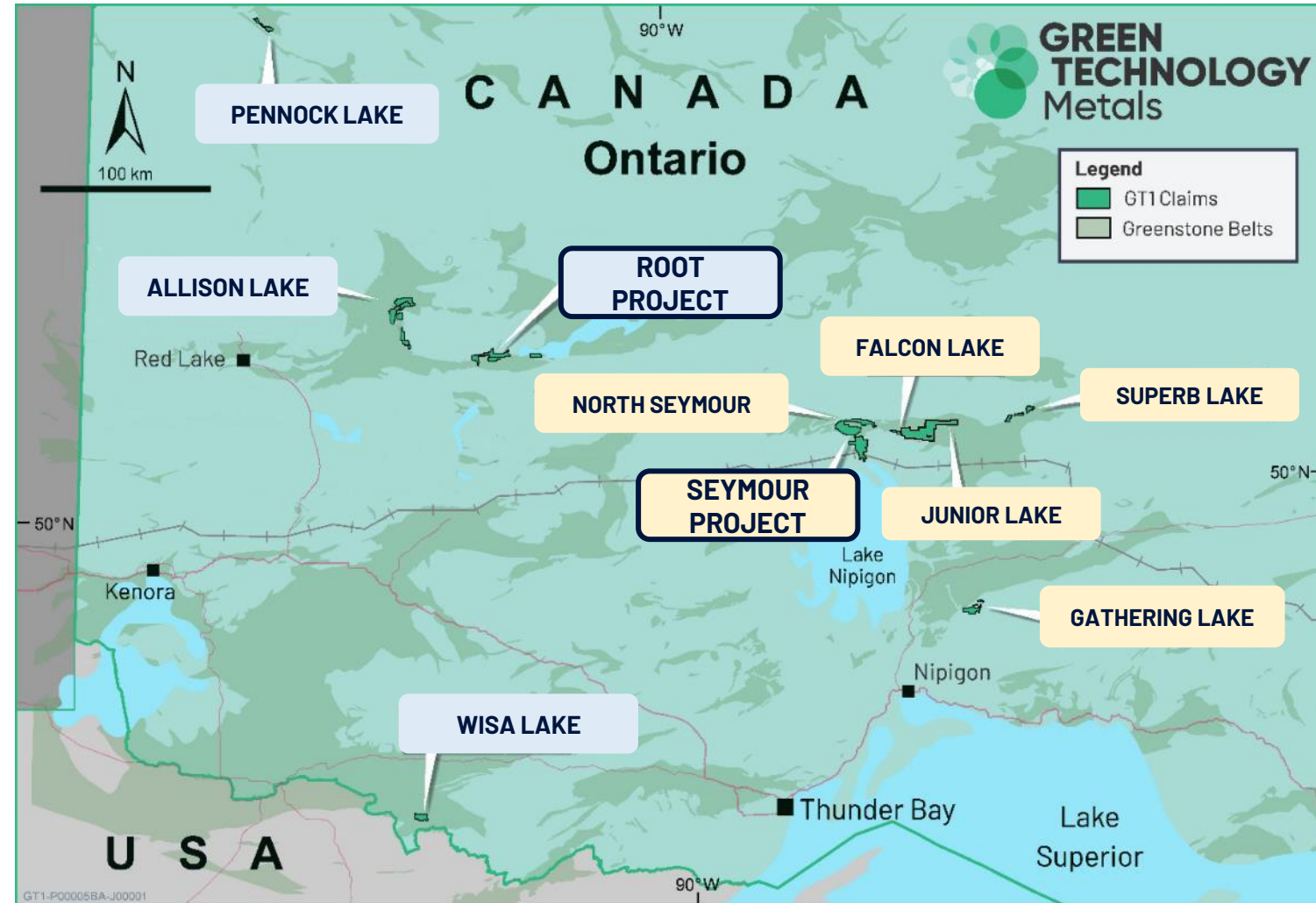
AVERAGE Li_2O GRADE
WITH INDICATED
5.2 Mt @ 1.29%

10 PROJECT AREAS

HIGHLY PROSPECTIVE
AND UNDEREXPLORED

56k Ha - 560km²

CLAIM BASE IN
PRIME PEGMATITE
COUNTRY



INFRASTRUCTURE CORRIDOR

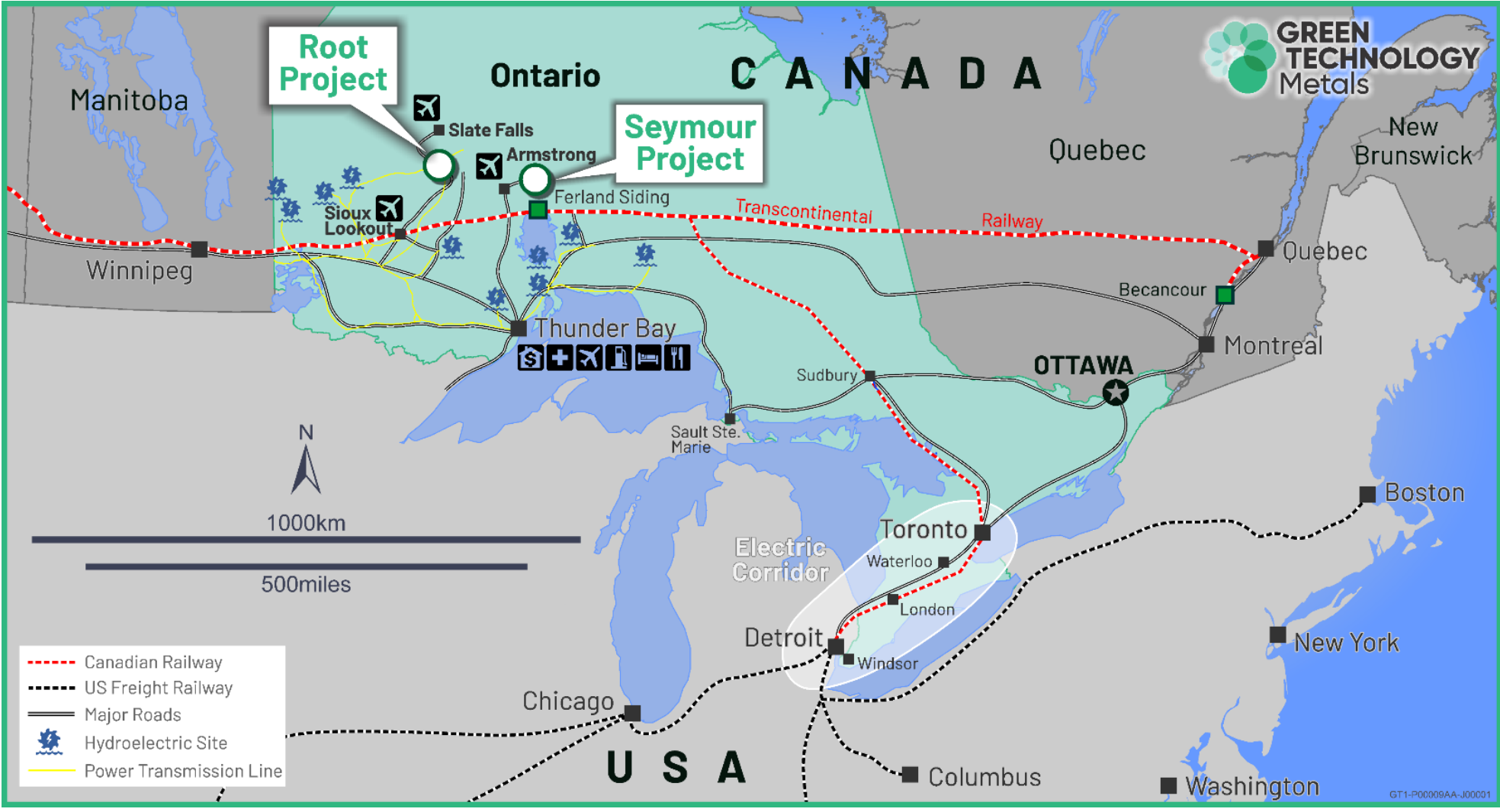
**ALL WEATHER ROAD ACCESS**
to sites with ready access to Trans Canadian Highway

**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

WESTERN HUB

ROOT PROJECT

Mineral Resource Estimate to be released in the coming weeks

ALLISON LAKE

WISA LAKE

PENNOCK LAKE

Development of a regional supply chain with multiple mine and process hubs feeding a central lithium conversion facility

2027 onwards

SPODUMENE
PROCESS PLANT



MADE IN
ONTARIO

LITHIUM CONVERSION
FACILITY¹



Operating from mid-2027
Initial capacity of 25-30 ktpa LiOH
Expanded to 50-60 ktpa LiOH by 2028

LITHIUM HYDROXIDE
OUTPUT¹

Long term LiOH product supply

EASTERN HUB

2025 onwards

SPODUMENE
PROCESS PLANT



SPODUMENE
SALES (OPTION)

Initial sales prior to
completion of a lithium
conversion facility

SEYMOUR PROJECT

Mineral Resource 9.9 Mt at 1.04% Li₂O
Indicated category 5.2Mt at 1.29% Li₂O

NORTH SEYMOUR

JUNIOR LAKE

SUPERB LAKE

FALCON LAKE

GATHERING LAKE

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

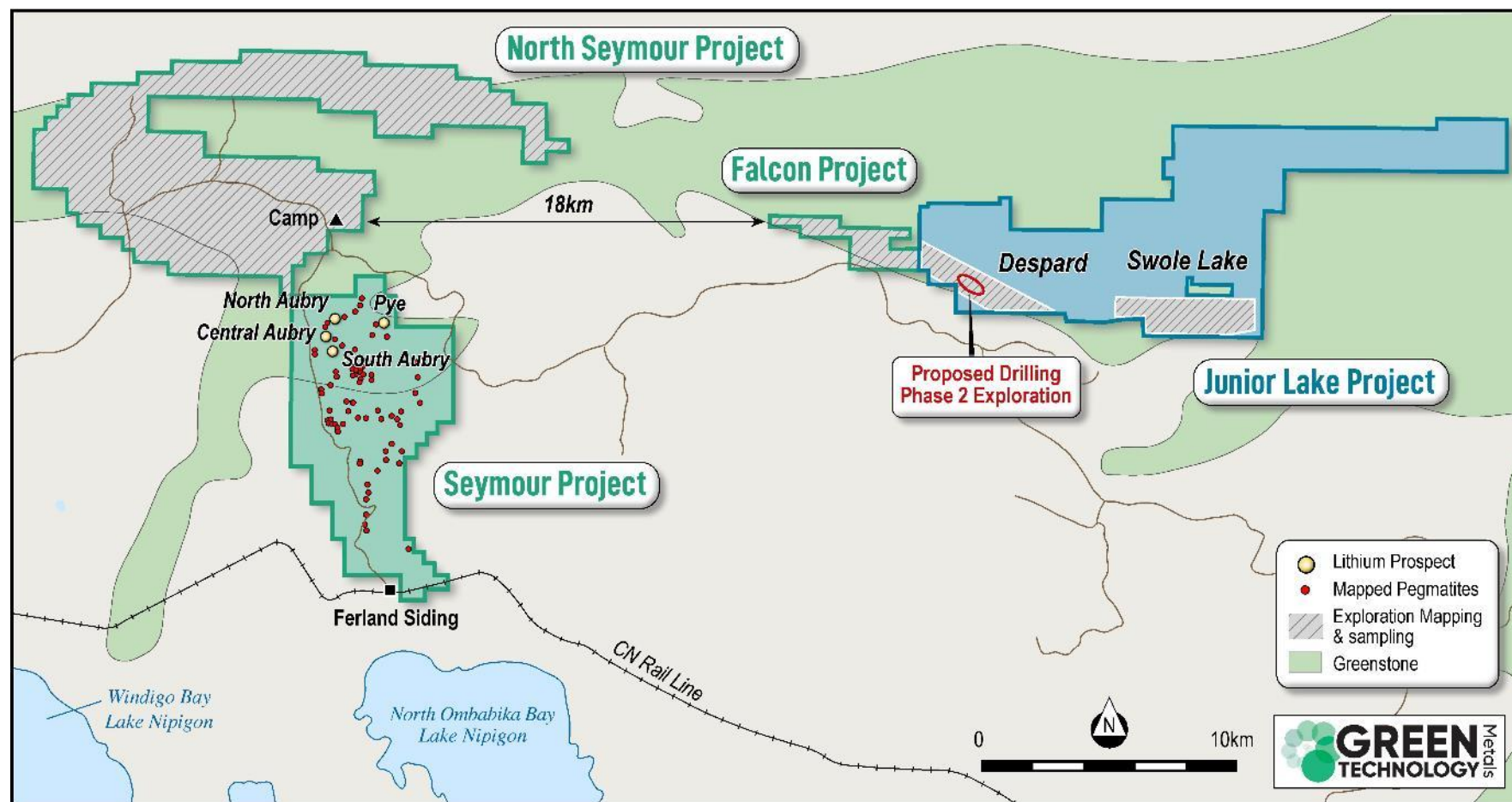
- 9135 hectares (91km²)
- No previous exploration undertaken by GT1
- Located North of the Seymour project

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

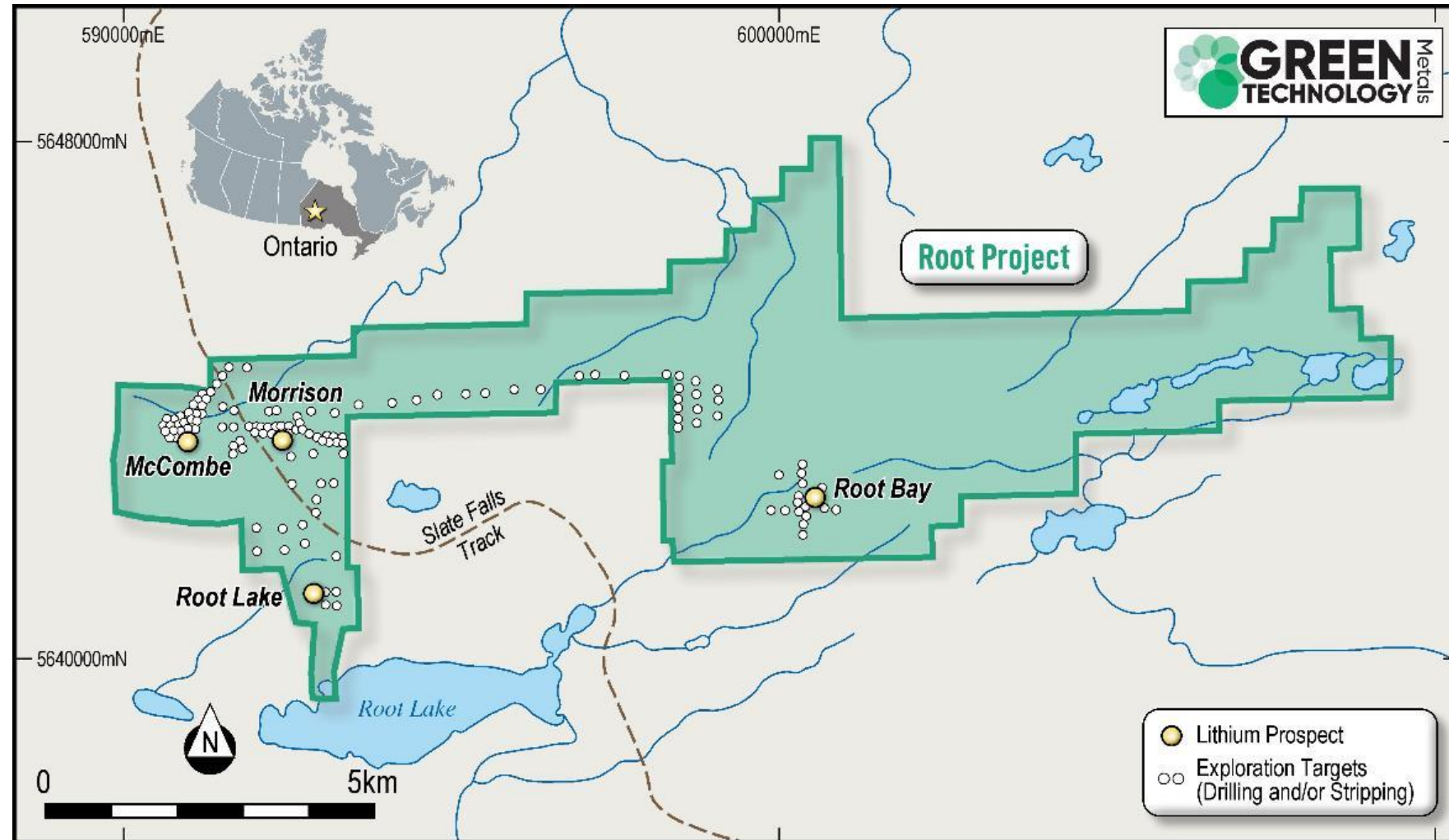
- Phase 2 diamond drilling at McCombe, assays pending for incorporation into the maiden resource
- Exceptional high-grade drill success - Highest Grade Drill Intercept to date 4.06% Li_2O

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

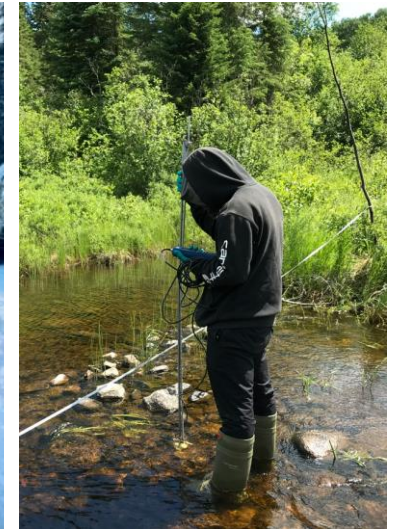
PROJECT DEVELOPMENT

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

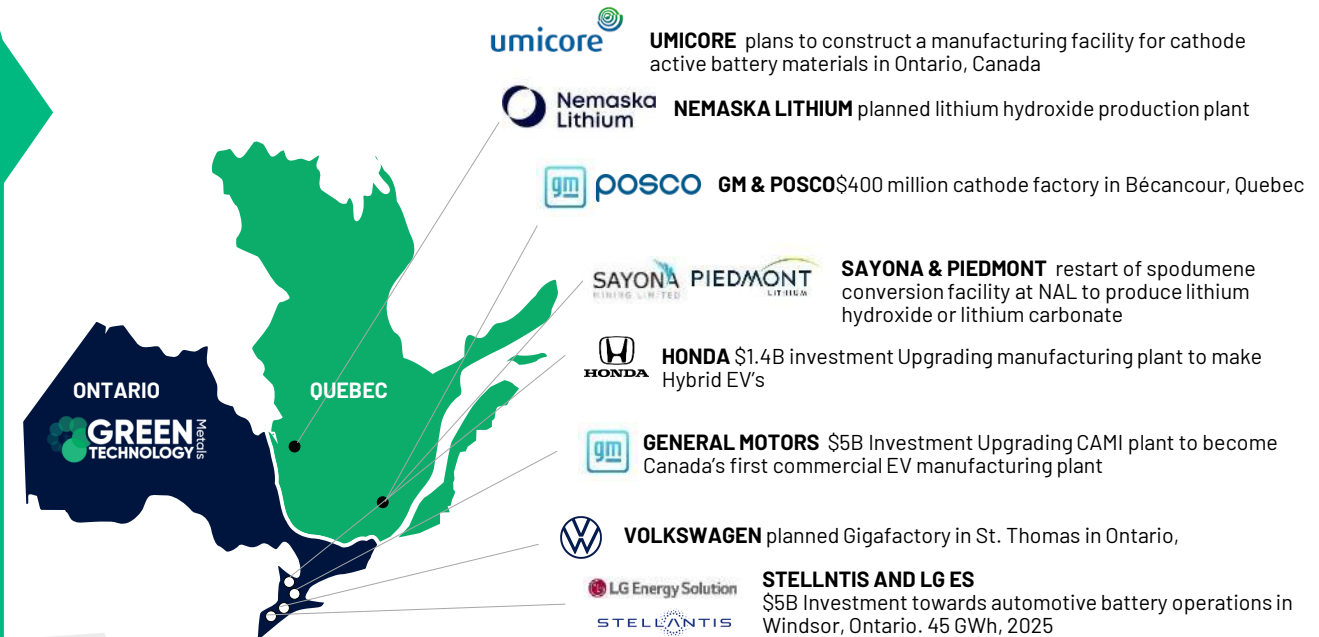
CORPORATE DEVELOPMENT

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



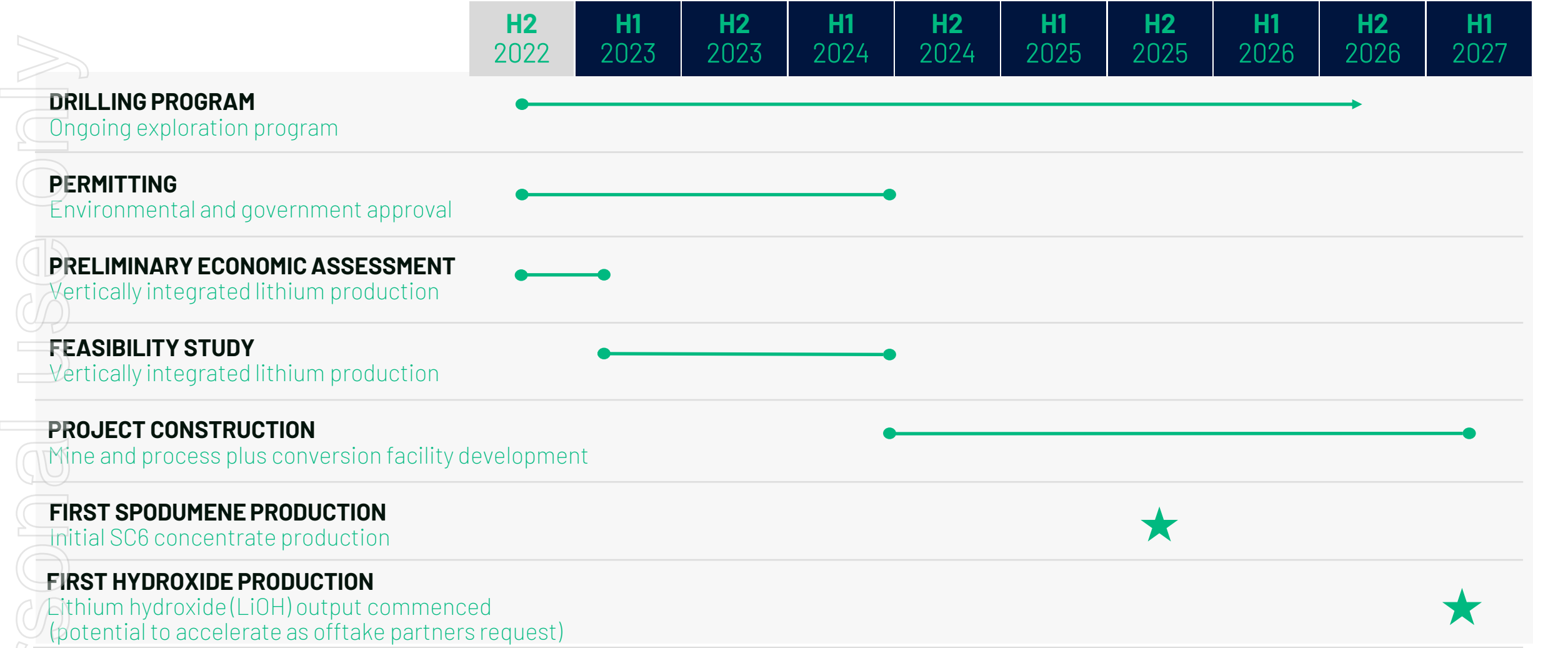
Ontario



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.

APPENDIX | DISCLAIMER

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