



INVESTOR PRESENTATION

Tribeca Future Facing Commodities Conference

MARCH 2024

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

ASX | GT1

INDIGENOUS PARTNERS ACKNOWLEDGEMENT

We would like to say Gchi Miigwech to our Indigenous partners. GT1 appreciates the opportunity to work in their 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.



CORPORATE SNAPSHOT – Oversold or Undervalued?

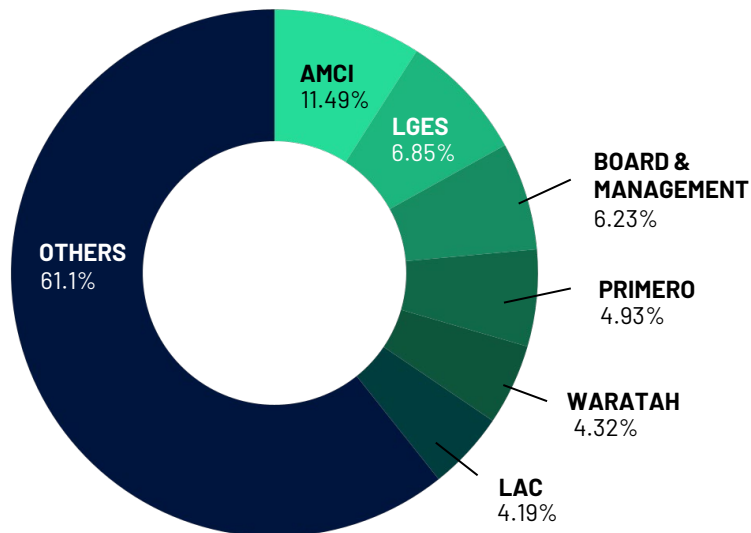


318.7M SHARES ON ISSUE

5.8M OPTIONS

24M PERFORMANCE RIGHTS

SHARE REGISTER



SHARE PRICE PERFORMANCE



Company Highlights

Showcasing GT1 as one of the most advanced explorers in the Ontario region

24.9Mt @ 1.13% Li₂O
Total global Mineral Resource Estimate

56,000 Ha
560KM² of LCT pegmatite prospective land

 **Made in Ontario**

10 Projects
located on the doorstep to the North American EV supply chain

2026
Planned first spodumene concentrate production

 **First offtake executed in Ontario**



1. For full details of the Seymour Mineral Resource estimate, see GT1 ASX release dated 21 November 2023, Seymour Resource Confidence Increased - Amended. For full details of the Root Mineral Resource estimate, see GT1 ASX release 18 October 2023,

3- Stage Integrated Strategy

To become the first Concentrates and Chemicals producer in the region

Stage 1:

FIRST PRODUCER IN ONTARIO

Seymour production from 2025/6
- minimum 6 years production with opportunity to grow mine life

Stage 2:

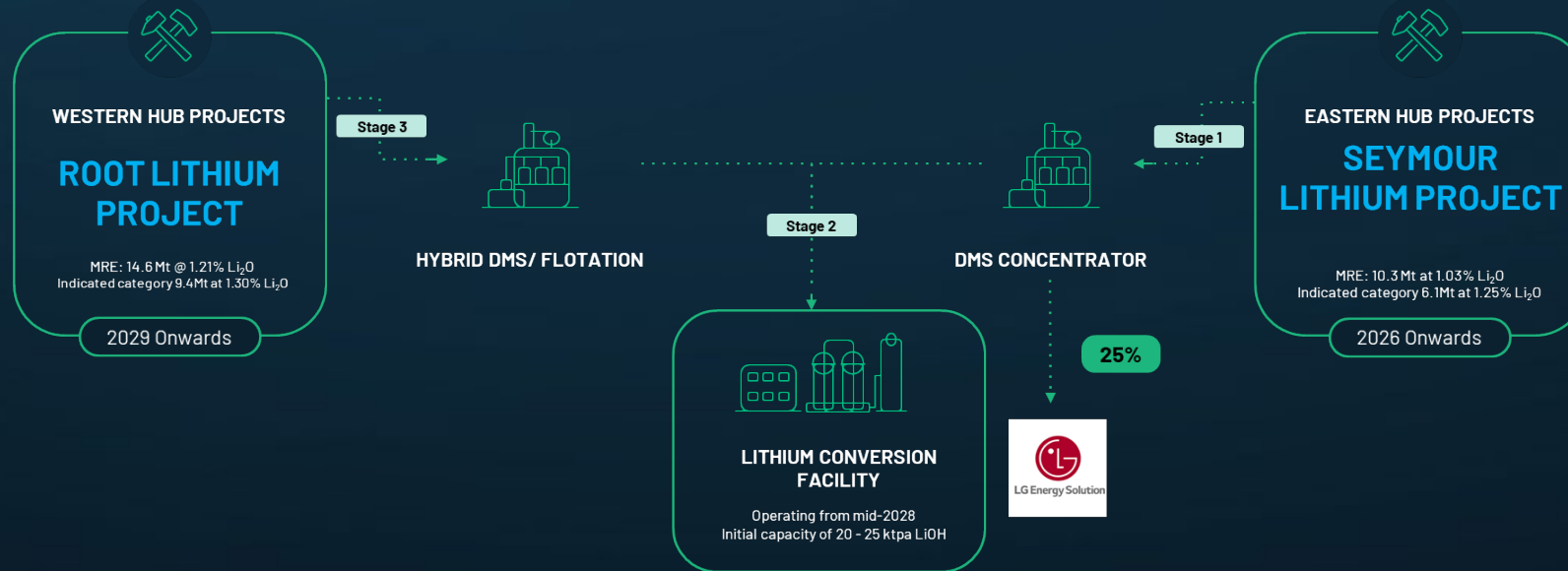
ESTABLISH CHEMICAL CONVERSION SUPPLY CHAIN

Partner and develop conversion facility to receive concentrates and supply into the Ontario/Nth American market

Stage 3:

GROW AND CONSOLIDATE ADDITIONAL FEED SOURCES

Bring Root project into production from 2028 - minimum 10 years mine life currently - resource to grow substantially



For full details of the Seymour Mineral Resource estimate, see GT1 ASX release dated 21 November 2023, Seymour Resource Confidence Increased - Amended. For full details of the Root Mineral Resource estimate, see GT1 ASX release 18 October 2023, 2. The preliminary economic analysis has been prepared on the assumption the SC5.5% concentrate is sold and does not rely on the assumption of the development of the Lithium Conversion Facility, 3. Significant resource and confidence level increase at Root, Global Resource Inventory now at 24.5Mt. 4. 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. 5. All proposed production dates quoted are indicative

Advancing Towards Production

DELIVERED

- ✓ Preliminary Economic Assessment
- ✓ Strategic partnerships – AMCI Group, LG Energy Solution & Lithium Americas Corp
- ✓ Application submission for SIF Funding for Conversion Facility

SEYMOUR

- ✓ Mining Lease granted for proposed mine area
- ✓ Environmental Class received
- ✓ Offtake agreement executed for first 5 years production
- ✓ Confirmed simple DMS design
- ✓ Application submission for funding for road infrastructure

PROGRESSING

Seymour

- Maiden drilling program at Junior
- Final investment decision
- Clearing and early works

Studies

- Standalone PEA
- Definitive Feasibility Study

Approvals

- Closure plan submission
- Indigenous Consultation
- Permitting approvals

Finance

- Further offtake and financing structuring with potential strategic partners
- Project level investment & financing
- Government funding

Conversion Facility

- Site location selection
- Complete partnering process
- Preliminary Feasibility Study
- Confirm production and delivery strategy for future stages

Root

- 10,000m drilling program focusing on Root Bay East and Root Bay deep extensions
- Preliminary Feasibility Study

Approvals

- Project description submission
- Continue baseline studies

Why Ontario?

Becoming a world leader in the electric vehicle revolution



World-class infrastructure



Provincial government initiatives - "Build more mines act"
Streamlining permitting processes



Ranked #1 in latest global lithium-ion battery supply chain



Gateway to the US



Backed by a surge in lithium exploration and powerful government support



Only place in the world that is home to 6 of the worlds largest automakers

Ontario 



Canada 

\$28 billion

Global automakers commitments to battery manufacturing and mining projects

135 GWh

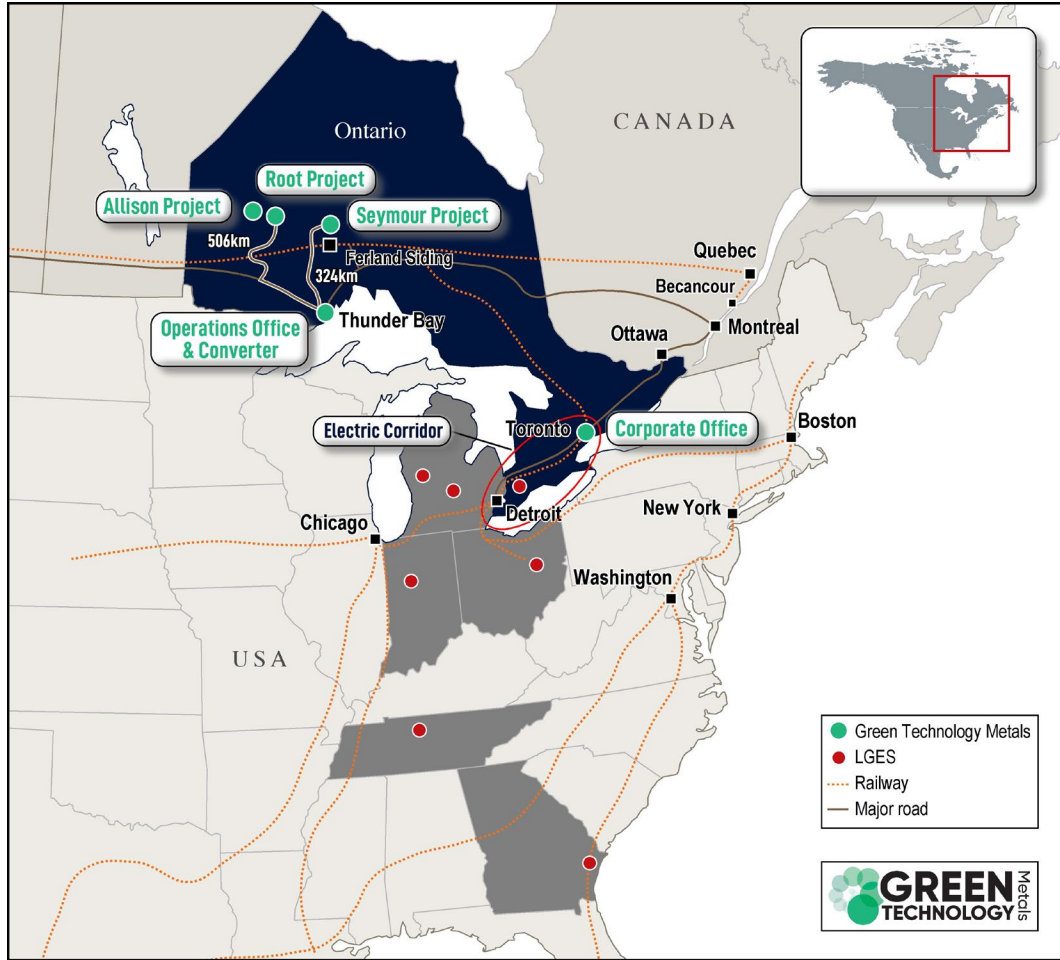
Capacity in Ontario requiring >120 ktpa of LiOH per annum

\$3 billion

Funding available supporting critical infrastructure projects through CIF, Invest Ontario and CMIF

Over \$27B of Investment in Battery EV Production

With more investment imminent



LG Energy Solution

STELLANTIS

PowerCo



HONDA



STELLANTIS AND LG ENERGY SOLUTION

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

POWERCO

\$7B investment towards the largest PowerCo gigafactory with an annual production capacity of up to **90 GWh** in the final expansion phase

GENERAL MOTORS

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

HONDA

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

UMICORE

Building a 35 GWh equivalent battery materials production plant in Loyalist, ON

<https://www.reuters.com/business/autos-transportation/canada-ontario-give-up-c15-bl-incentives-stellantis-lges-battery-plant-2023-07-06/>

<https://news.ontario.ca/en/release/1003829/ontario-strengthens-electric-vehicle-supply-chain-with-new-manufacturing-investment>

<https://www.volkswagen-group.com/en/press-releases/volkswagen-backed-powerco-se-reaches-significant-milestone-in-st-thomas-gigafactory-project-17962>

Stage 1: EASTERN HUB



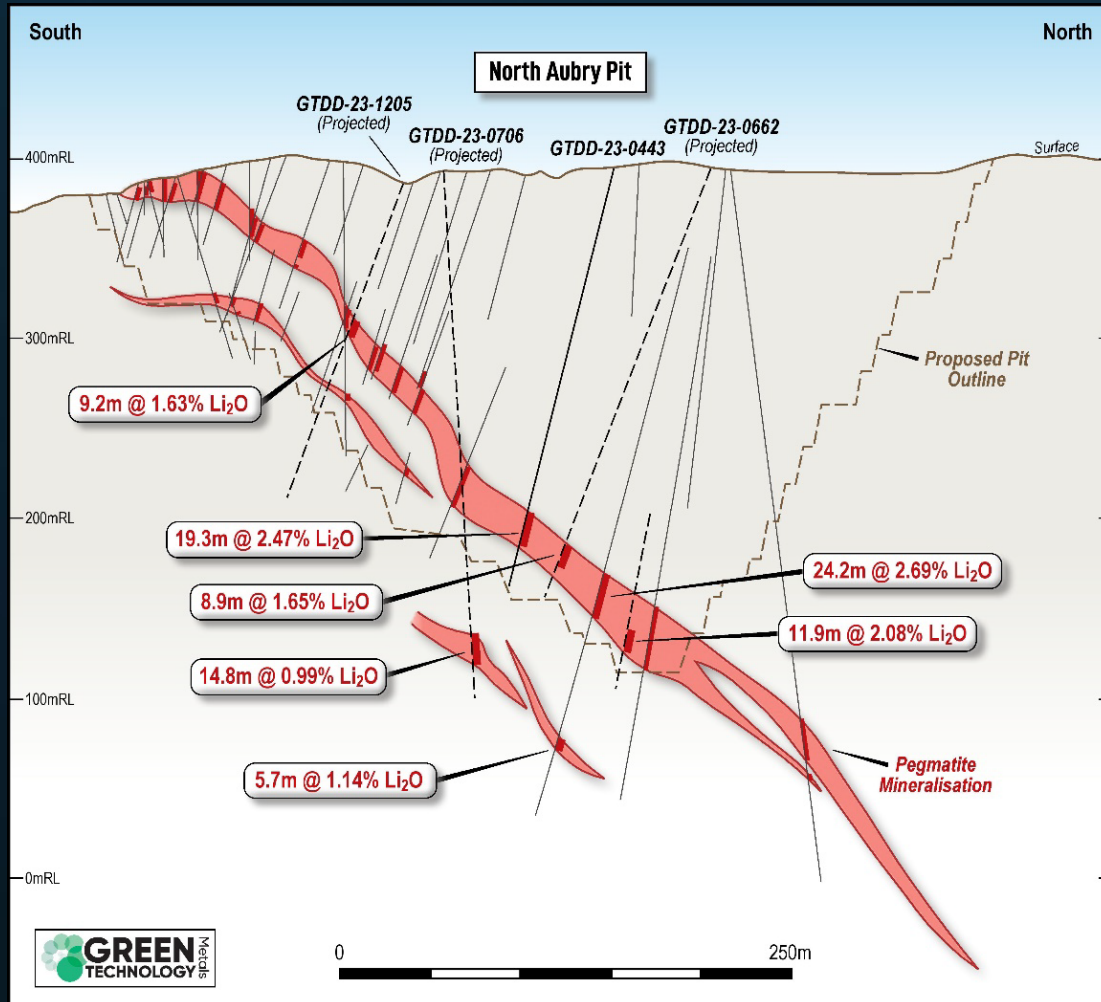
OWNERSHIP	100% Owned
AREA	32,720 Hectares
RESOURCE (Current)	10.3Mt @ 1.03% Li ₂ O (with 6.1Mt @ 1.25% Indicated)
EXPLORATION TARGET	22 to 26 Mt @ 0.8 to 1.5% Li ₂ O
DRILLING	74,667m
STAGE	Pre-Development
EXPECTED FIRST PRODUCTION	2025/26



The potential quantity and grade of Exploration Targets is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource in these areas and it is uncertain if further exploration will result in the estimation of a Mineral Resource in these areas For detail refer to Appendix Exploration Targets

Seymour Lithium Project

Thick, High-grade infill drill results returned up to 2.92% Li_2O confirms strong continuity of lithium mineralisation at North Aubry



High-grade long intervals

Over 20m thick and with grades up to 2.92% Li_2O returned from latest drilling campaign

Strong continuity of lithium mineralisation

At the North Aubry deposit which will assist in a MRE upgrade for Seymour currently underway

Increased feed for DFS

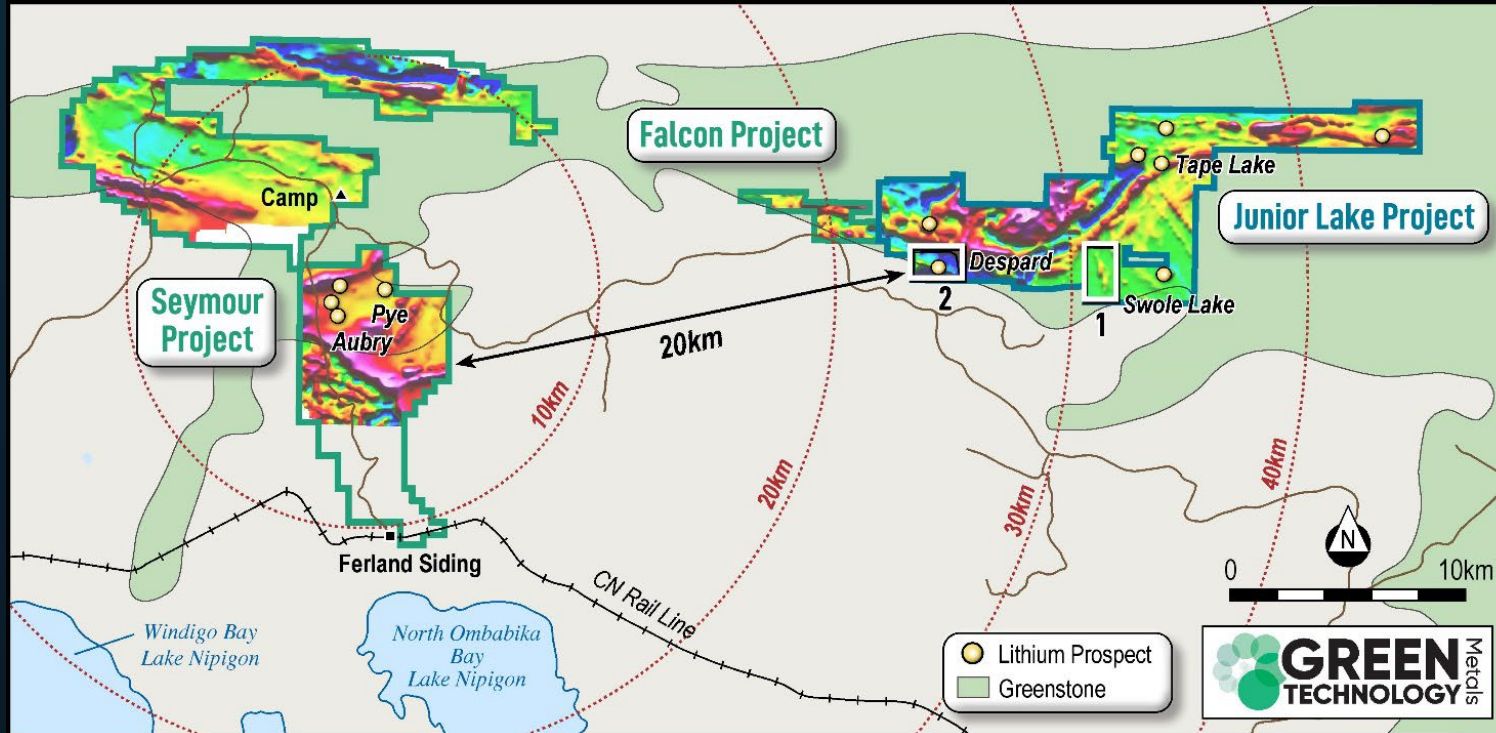
Enabling improved resource confidence category levels to feed more tonnes into the upcoming DFS

Substantial Results

- ❖ 24.2m @ 2.69% Li_2O from 235.8m incl.
- ❖ 22.2m @ 2.92% Li_2O from 235.8m – GTDD-23-0446
- ❖ 19.3m @ 2.47% Li_2O from 198.0m – GTDD-23-0443
- ❖ 11.9m @ 2.08% Li_2O from 211.9m – GTDD-23-0565

Eastern Hub Resource Growth

10.3Mt Mineral Resource Estimate with significant upside potential



Seymour MRE - 10.3Mt @1.03% Li₂O

All drilling required for DFS at Seymour has been completed

Additional Resource and Mine Life

Potential to increase the mineral resource through exploration targets, underground studies, and potential M&A

Junior Lithium Project

- ❖ **LCT spodumene-bearing pegmatites**
measuring up to 40 meters in length and approximately 6 meters in width surface exposure
- ❖ **Significant lithia grade up to 3.23% Li₂O**
returned from rock chip samples
- ❖ **Proven grade and multiple occurrences**
with the potential to significantly add to GT1's eastern-hub resource base
- ❖ **Similar magnetic signatures to Root Bay**
indicating the likelihood of stacked pegmatites or a potentially fertile intrusive system

Production Phase

Planned to be in production from 2026



No chemicals in processing

- DMS only concentrator – NO CHEMICAL REAGENTS USED



Simple Mining, Processing, and Rehabilitation

- Basic extraction process similar to 'wash quarry' – can be rehabilitated relatively easily to original state



Low environmental footprint – efficient operation

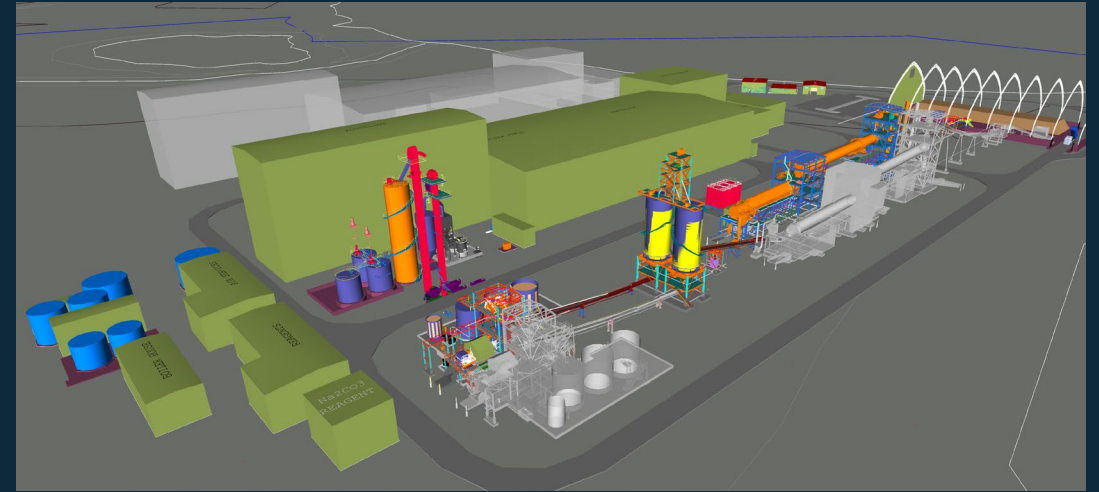
- Minimised footprint ~500ha
- 2 open pits – staged North and South Aubry



Water Conservation – Zero Discharge

- Water is stored for re-use without any runoff, treated, then pumped back into the mined pits, with land revegetated

Stage 2: CONVERSION FACILITY



Area	Capital (CAD)
LiOH Plant	607M
Site Infrastructure	27M
Tailings Disposal	0.4M
Lithium Hydroxide Indirects	168M
Owners Cost	38M
Sub-total	840M
Contingency (25%)	210M
Total inc Contingency	1,050M
Plant Pre-Production	13M
Total inc Pre-Production	1,064M



See ASX Announcement: "PEA Delivers strong Economics and Mining Lease Granted" on 7 December 2023

Conversion Facility

Planned to be in production from 2028



Step 1

proposed circa
20,000 -25,000t capacity

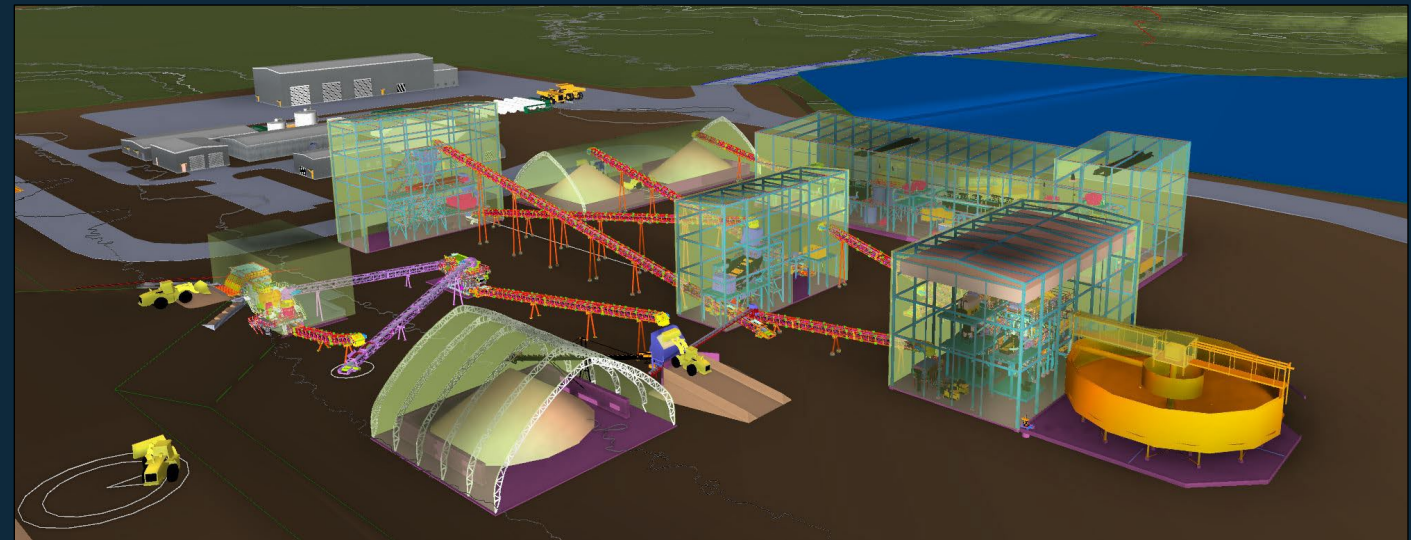
Step 2

plant/site layout confirmed
for additional train

- ❖ **Strategic Innovation Funding (SIF) applications lodged for assessment and supported by LGES**
- ❖ **Alkali-leach flowsheet:** (Metso-Outotec process) – Piedmont, Keliber
- ❖ **Calcination test work:** >97% conversion
- ❖ **PEA Basis:** 92% overall recovery



Stage 3: WESTERN HUB

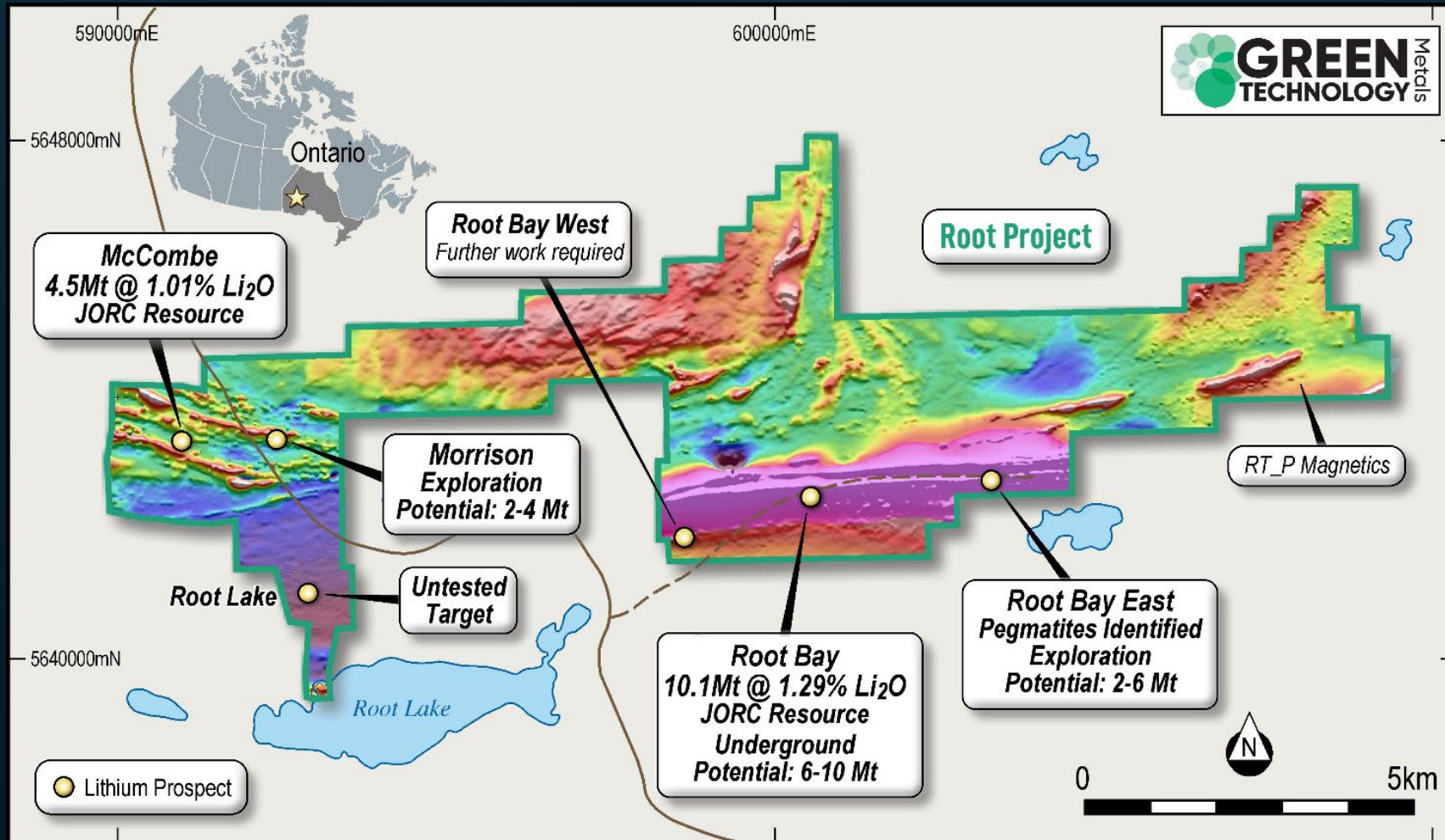


OWNERSHIP	100% Owned
AREA	23,095 Hectares
RESOURCE (Current)	14.6Mt @ 1.21% Li ₂ O
EXPLORATION TARGET	25-35 Mt @ 1.0 to 1.5% Li ₂ O
DRILLING	42,000m
STAGE	Preliminary Economic Assessment
EXPECTED FIRST PRODUCTION	2028/9

The potential quantity and grade of Exploration Targets is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource in these areas and it is uncertain if further exploration will result in the estimation of a Mineral Resource in these areas For detail refer to Appendix Exploration Targets

Western Hub

Root Lithium Project targeting 25 – 35Mt



Area	Tonnes Range Mt		Li ₂ O % Grade	
	Min	Max	Min	Max
Root Bay	10.1	10.1	1.29%	1.29%
Root Bay Deeps	6	10	1.0%	1.5%
Root Bay East	2	6	1.0%	1.5%
McCombe	4.5	4.5	1.01%	1.01%
Morrison	2	4	1.0%	1.5%
Total	25*	35*	1.0%	1.5%

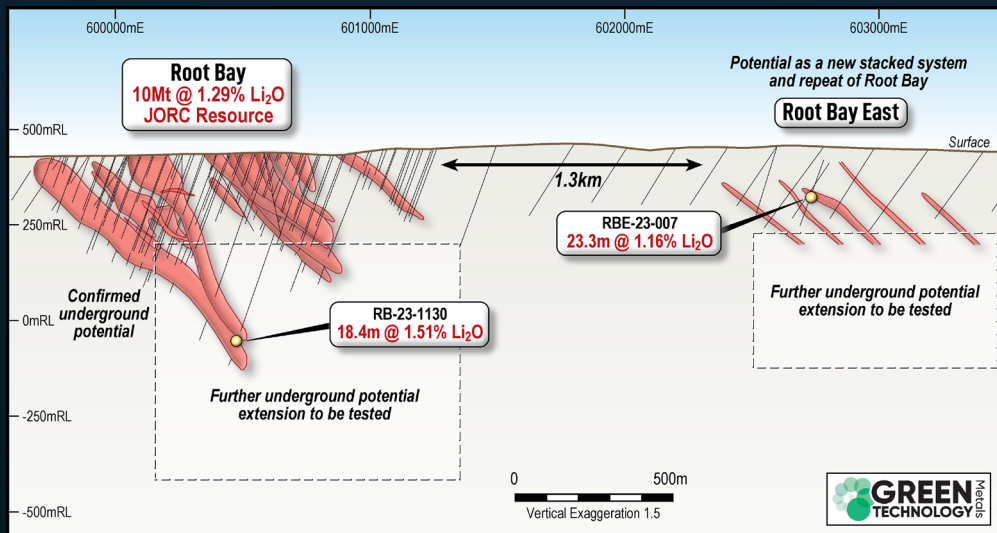
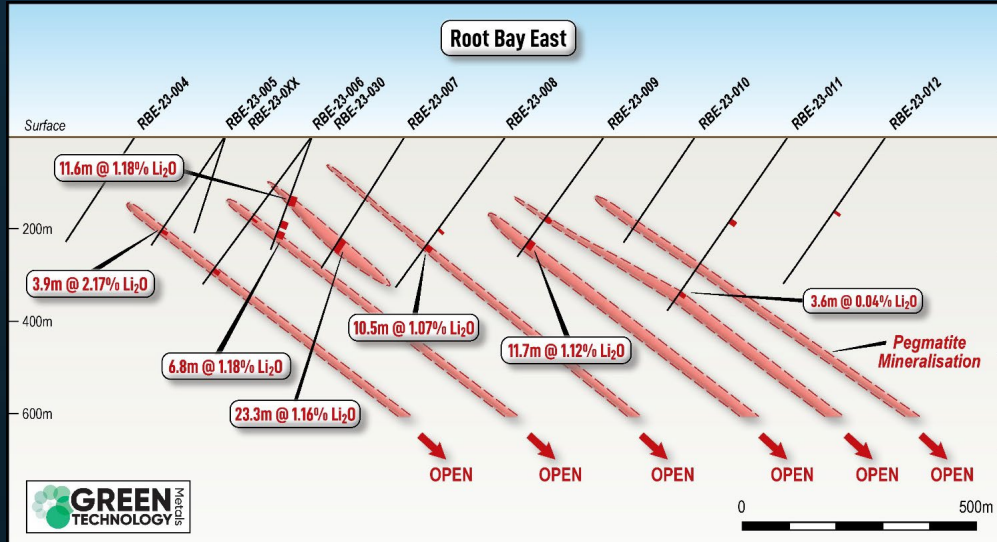
The exploration target includes the already identified resources from McCombe and Root Bay of **14.6Mt @ 1.21% Li₂O**

- 10,000m diamond drilling program to test the Root Bay East system and Root Bay 'Deeps' extensions in the coming months
- Further field exploration across the Root tenement area planned

The potential quantity and grade of Exploration Targets is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource in these areas and it is uncertain if further exploration will result in the estimation of a Mineral Resource in these areas For detail refer to Appendix Exploration Targets and ASX announcement "Increased Exploration Target And Drill Results Highlight Further Upside At Root" dated 26 March 2024.

Root Lithium Project

Significant upside to be tested



Root Bay East

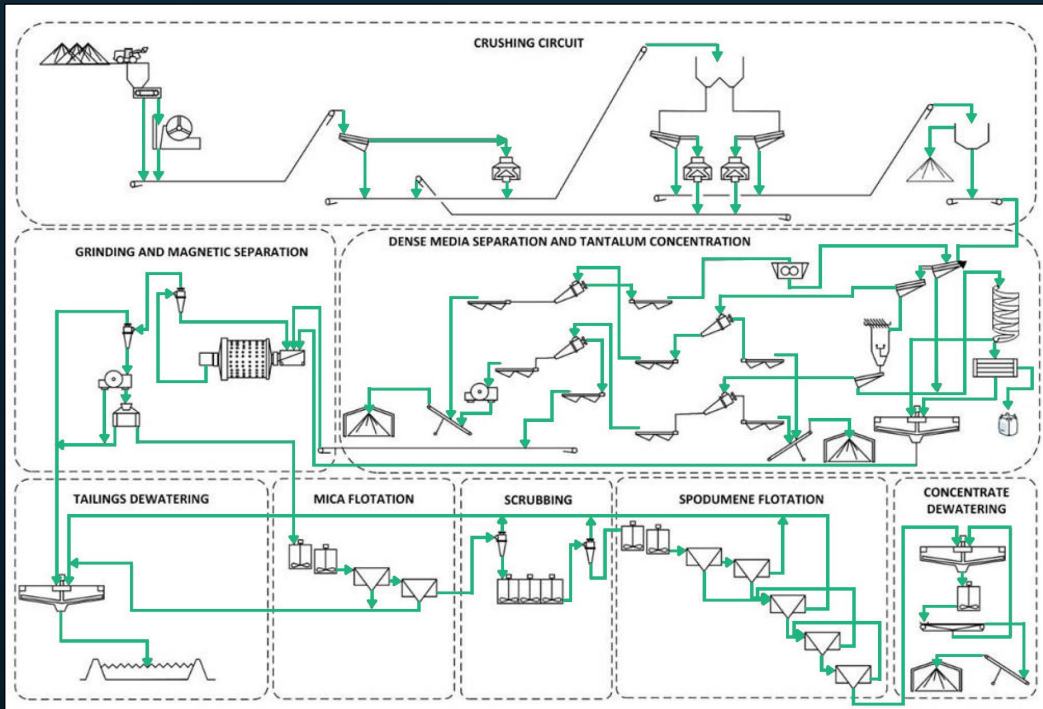
- Located 1.3km to the east of the Root Bay Mineral Resource
- Latest results show similar strong mineralisation characteristics to those of Root Bay
- Maiden drilling program completed confirming
 - high-grade intercepts up to 23m thick
 - identification of seven new pegmatites along an 800 metre east-west
- Results indicate the potential for a repeat of the Root Bay Deposit
- Exhibit common characteristics including
 - location on the same Aero-Magnetic Geophysical trend,
 - presence of Meta-basalt host rocks
 - identical coarse-grained spodumene-bearing pegmatites

Root Bay Deep Extensions

- Down dip extension holes targeting open pit and underground resource growth at the Root Bay deposit
- 2 holes have successfully demonstrated that thick, high-grade pegmatites exist to at least 950m downdip from current drill depth extents

Root Project

Plant layout – hybrid DMS and flotation flowsheet



Spodumene Concentrate Product Specifications

- Hybrid combination DMS and flotation processing
- High grade – finer-grained spodumene, finer crushing and liberation size
- HLS test work – 5.5%Li₂O achieved, low recoveries
- Sighter flotation tests – 67.1% Recovery
- PEA Basis – 5.5% Li₂O @ 75% Recovery
- 1.5Mtpa throughput, 200Ktpa concentrate output (Life of Mine Average)
- 10 year mine life
- Standard permitting timelines – federal permits most likely required



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Automic Group

Email: hello@automic.com.au

ASX **GT1**



APPENDIX – Additional information



BOARD OF DIRECTORS

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



JOHN YOUNG

Non-Executive Chairman

Highly experienced geologist

Co-founder and previous Executive Director of Pilbara Minerals Ltd a A\$11.8b lithium company



CAMERON HENRY

Executive Director

20 years' experience managing and operating public companies. Founding Managing Director of Primero Group, a global EPC company that specialises in the design, construction and operation of minerals processing facilities and specifically hard rock Lithium



PATRICK MURPHY

Non-Executive Director

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



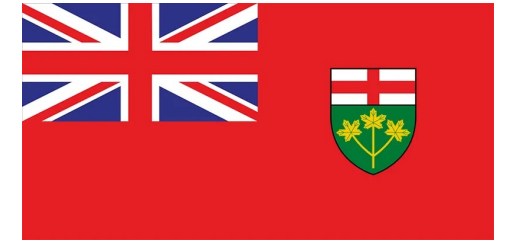
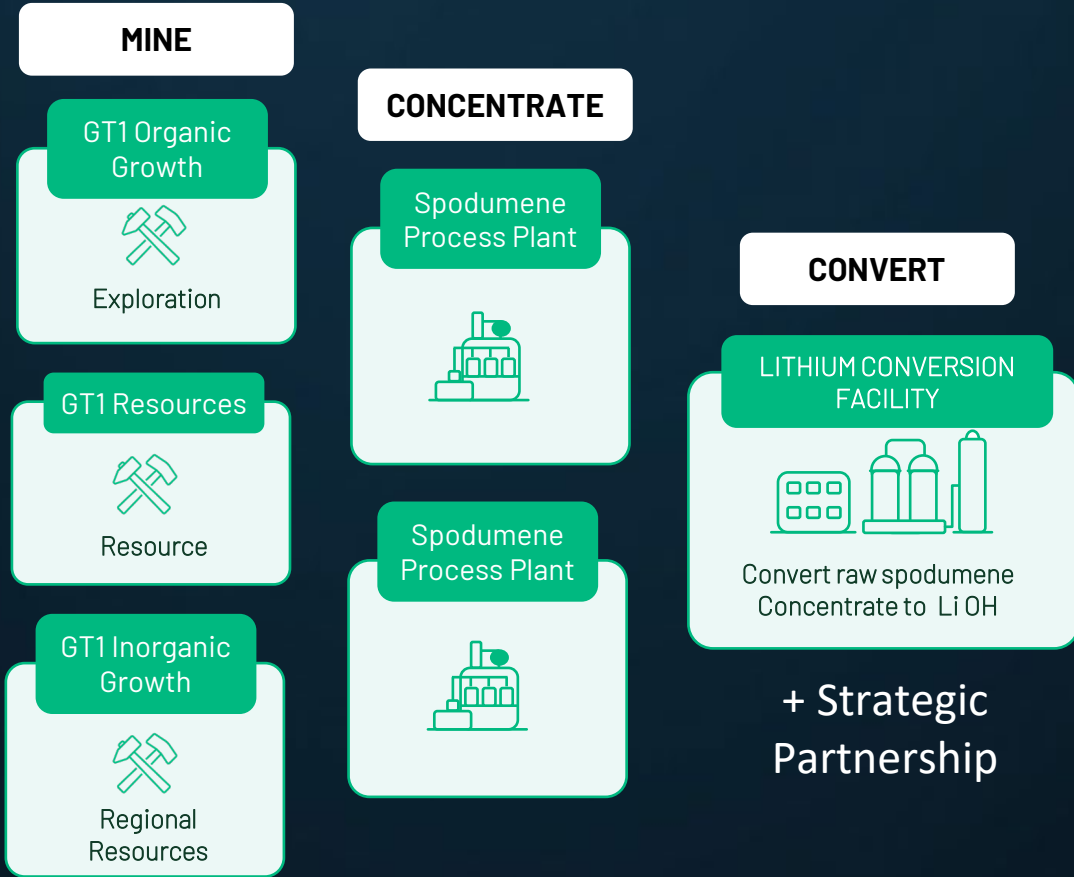
ROB LONGLEY

Non-Executive Director

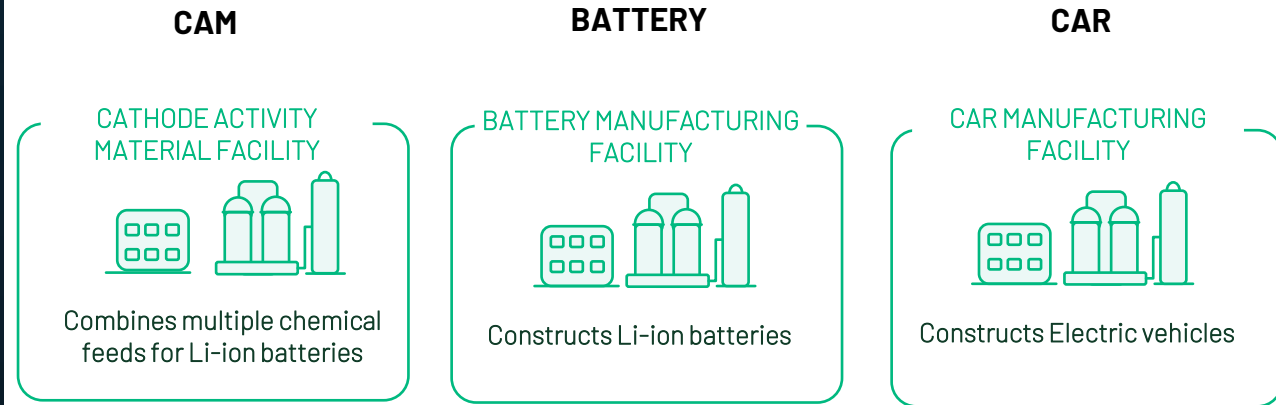
Geologist with +30 years' experience in global resources across a range of commodities

Managing Director of Asra Minerals, previously CEO/MD of Ardiffen and GM Geology at Sundance Resources

SUPPLY CHAIN ROCK TO EV-BATTERY



MADE IN ONTARIO

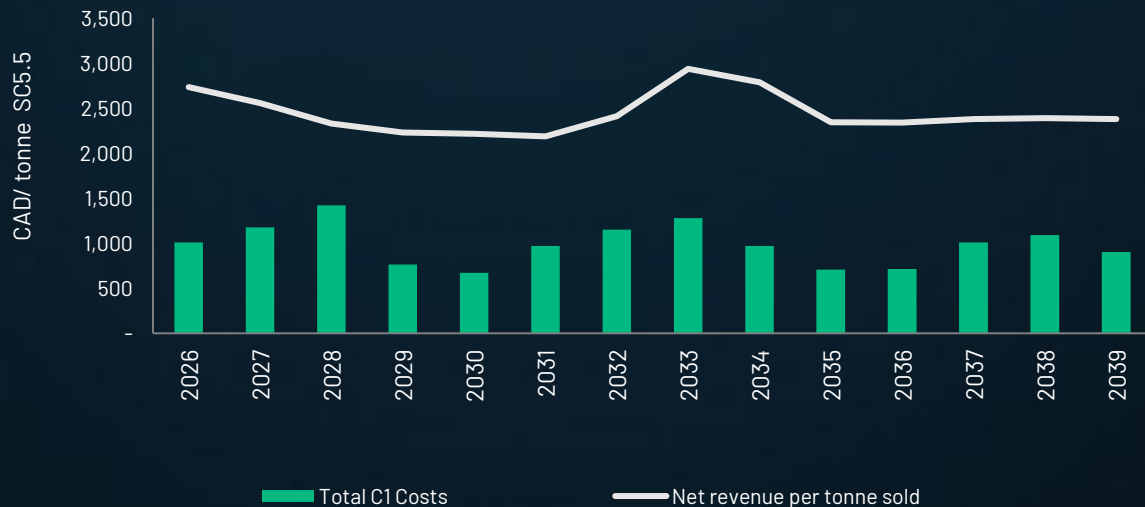


PEA HIGHLIGHTS

Mines and Concentrators

Highlights

- Combined mine and concentrator development delivers **NPV \$1,189M CAD (USD\$894M)**
- Low initial start-up capex – well defined
- Staged development for second larger operation at Root
- Robust economics confirm the potential to become the first lithium concentrate and chemical producer in Ontario
- Optimisation/trade off studies currently underway to further reduce unknowns and firm costings for DFS



Net Revenue per tonne sold vs C1 Cost by year

C\$309M
Average Annual EBITDA
(USD\$232M)

54%
After-tax IRR

207,000
Tonnes per year (average)
SC5.5 Spodumene Production

1.3 Years
Payback Period

C\$1.19 Billion
After-tax NPV
(USD\$894M)

C\$985
Average Per Tonne SC5.5
C1 Cost (USD\$741)

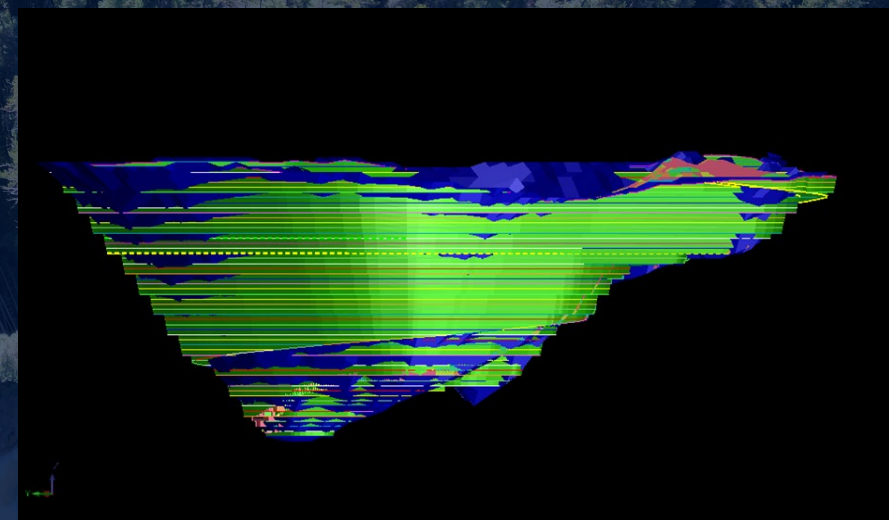
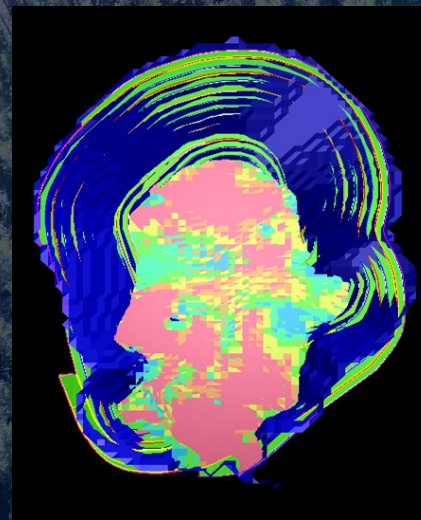
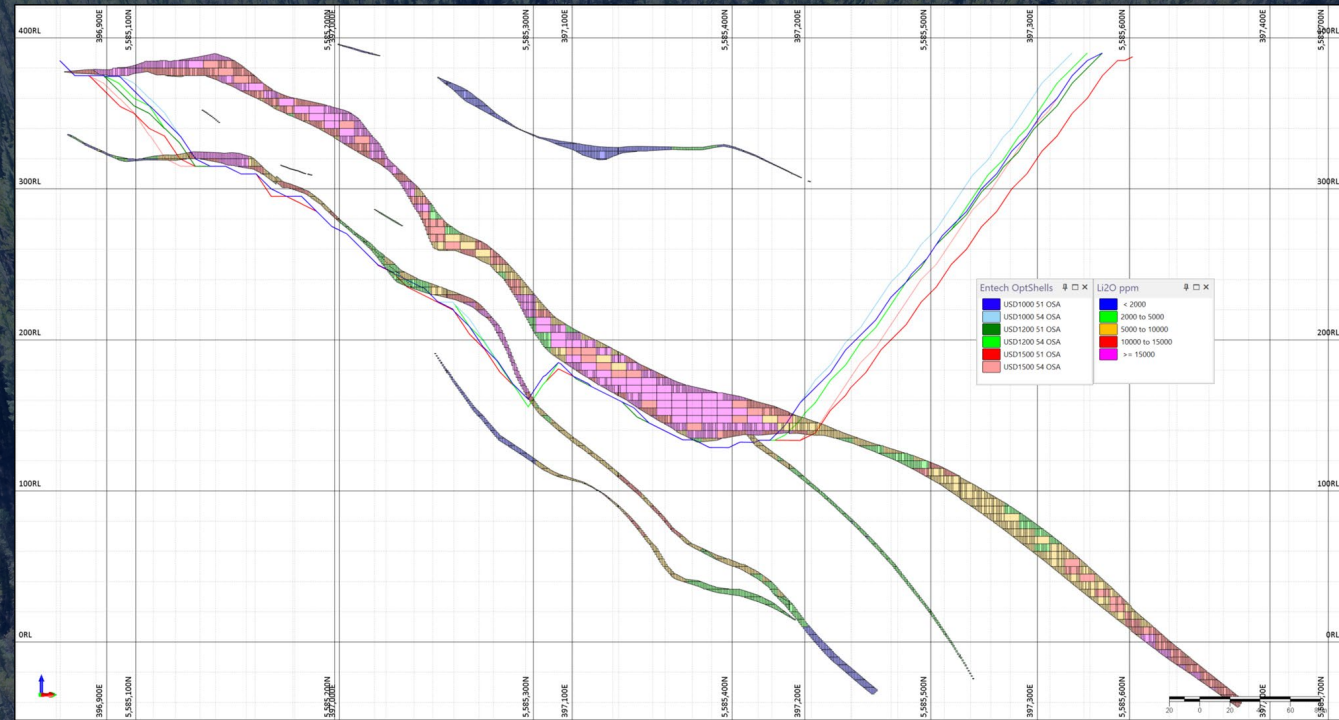
1. For full details refer to announcement "PEA delivers strong economics and mining lease granted", dated 7 December 2023.
 2. For full details of the Seymour Mineral Resource estimate, see GT1 ASX release dated 21 November 2023, Seymour Resource Confidence Increased - Amended. For full details of the Root Mineral Resource estimate, see GT1 ASX release 18 October 2023,
 3. The preliminary economic analysis has been prepared on the assumption the SC5.5% concentrate is sold and does not rely on the assumption of the development of the Lithium Conversion Facility

Definitive Feasibility Study

New modifying factors optimisation to enable DFS parameters to be set

Deliverables

- Mineral Inventory Expansion
- Geotechnical Study
- Whittle Shell Selection
- Mining Cost Model Optimization
- Staged Cutback Pit Design
- Open Pit and Underground Cross-Over Study
- Infill Drilling and Resource Conversion
- DFS Concentrator Testwork
- Logistical Studies
- Water Storage and Run-Off Facility Optimization



APPENDIX - Disclaimers



APPENDIX | MINERAL RESOURCE ESTIMATE

Project	Tonnes (Mt)	Li ₂ O (%)
Root Project		
<i>Root Bay</i>		
Indicated	9.4	1.30
Inferred	0.7	1.14
<i>McCombe</i>		
Inferred	4.5	1.01
Total	14.6	1.21
Seymour Project		
<i>North Aubry</i>		
Indicated	6.1	1.25
Inferred	2.1	0.8
<i>South Aubry</i>		
Inferred	2.0	0.6
Total	10.3	1.03
Combined Total	24.9	1.13

¹ For full details of the Seymour Mineral Resource estimate, see GT1 ASX release dated 21 November 2023, *Seymour Resource Confidence Increased - Amended*. For full details of the Root Mineral Resource estimate, see GT1 ASX release 18 October 2023, *Significant resource and confidence level increase at Root, Global Resource Inventory now at 24.5Mt*. 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 other material authorised: The Company has not authorised any person to give any information or make any representation in connection with any proposed offer of securities.

No New Information: Except where explicitly stated, this announcement contains references to prior exploration results, all of which have been cross-referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements.

The information in this report relating to the Mineral Resource estimate for the Seymour Project is extracted from the Company's ASX announcement dated 17 and 21 November 2023. 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 report relating to the Mineral Resource estimate for the Root Project is extracted from the Company's ASX announcements dated 17 October 2023. 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.

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.

Confirmation Statement –Preliminary Economic Assessment

The production targets and forecast financial information disclosed in this Announcement is extracted from the Company's ASX announcement entitled "Preliminary Economic Assessment delivers strong economics & mining lease granted for Seymour", dated 7 December 2023. The Company confirms all material assumptions underpinning the production targets and forecast financial information derived from the production targets in the initial announcement continue to apply and have not materially changed



APPENDIX | EXPLORATION TARGETS COMPETENT PERSONS STATEMENT

The information in this Presentation that relates to the Exploration Target at Seymour 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 information in this presentation that relates to the Exploration Target for the Root Lithium Project is based on, and fairly represents, information and supporting documentation either compiled or reviewed by Mr Stephen John Winterbottom who is a member of Australian Institute of Geoscientists (Member 6112). Mr Winterbottom is the General Manager - Technical Services of Green Technology Metals. Mr Winterbottom has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person (CP) as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Winterbottom consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Mr Winterbottom holds securities in the Company.

Qualifying Statement for the Exploration Targets

The potential quantity and grade is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource

Geological Setting

All the Claims (Seymour, Root Junior & Wisa) host lithium bearing pegmatites which sit within the fractionated lithium zone close to their magmatic source

Strike

Drilling, surface sampling, aerial ortho-mosaics and topographic mapping (LiDAR) have been used to determine the approximate strike length of the pegmatites

Depth

Drilling at Seymour and Root have confirmed the pegmatites can exceed 250m in depth, thus a depth of 500m has been applied

Thickness

Implicit Modelling has been utilised to determine the thickness of the pegmatites and then extrapolated along strike and down dip using the parameters mentioned above

Tonnage

Specific gravity of 2.78 has been applied to the implicit model volumes to determine the tonnage

Grade

The Seymour and Root JORC Resource hosted Inferred grades ranging from 0.8 to 1.5% Li_2O , this has been used for the Exploration Targets

Exploration Activities

Exploration targets are planned to be tested by field mapping and drilling over the next 36 months