



A Source for
Powering Change

TSX-V: SRACorporate
Presentation
January 2019

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Our Team

Board of Directors

Jeffery York

Chairman of the Board

Gary Economo

CEO & Director

Chester Burt

Director

Lindsay Weatherdon

Director

Key Management

Gary Economo

CEO

Judith Mazvhwa-Maclean

CFO



Our Corporate Profile

Stria Lithium Inc.
945 Princess St
Kingston. ON
K7L0E9, CANADA



INVESTOR INFORMATION

As of Jan 7, 2019

\$CA
D

Market Cap:	\$2,173,811
Shares:	72,460,369
52 Week Hi-Lo:	\$0.08 - \$0.02
Fully Diluted:	130,757,820

TSX-V: SRA



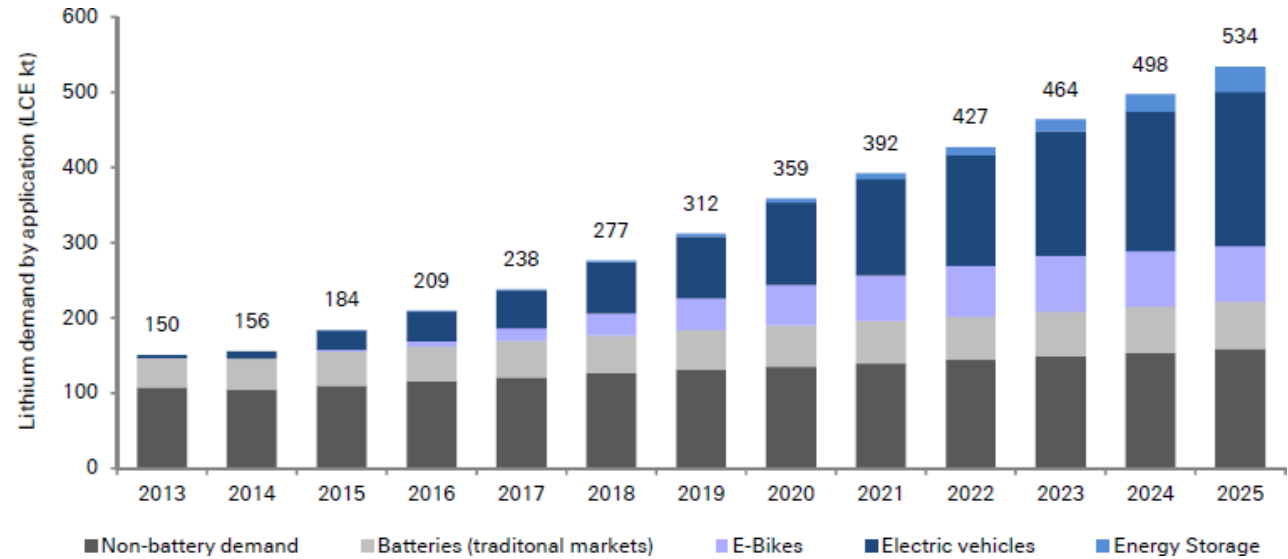
Corporate Goals

- To be the first Canadian lithium metal producer
- To partner with other lithium entities for financial and technological success
- To be an industry leader in the application of sustainable and environmentally responsible lithium-based technologies



Lithium Market Demand 2013-2025

* World Demand of Lithium by End-Use



* Source: Deutsche Bank Report, 2016

What the
Global
Lithium Metal
Market
is telling us

Global Lithium Metal Production 2015 ⁽¹⁾

China: 2,132 Metric T

USA: 560 Metric T

Europe: 612 Metric T

Global Total: 3,525 Metric T

*(1) Source: QYR Market Research Report,
2016*



What the
Global
Lithium Metal
Market
is telling us

Global Lithium Metal Market Share 2015⁽¹⁾

Metal Alloying – 41.4%

Pharmaceutical and Chemicals – 32.51%

Batteries (mostly foil) – 17.7%

Other – 8.4%

Global Revenue: \$250 M USD

(1) Source: QYR Market Research Report, 2016



What the
North
American
Lithium Metal
Market
is telling us

North America Lithium Metal Production/ Consumption 2015 ⁽¹⁾

USA Production:	560 Metric T
USA Consumption:	1,121 Metric T
USA Domestic Supply Gap:	561 Metric T

(1) Source: QYR Market Research Report, 2016



What the Lithium Metal Market is telling us

Future Lithium Metal Supply 2016-2021 – The Gaps

Table Europe Supply, Consumption and Gap of Lithium Metal 2016-2021 (MT)

	2016	2017	2018	2019	2020	2021
Europe Production (MT)	635	650	676	694	706	723
Europe Consumption (MT)	1032	1103	1154	1218	1271	1325
Europe Gap (MT)	584	599	646	667	697	715

Table US Supply, Consumption and Gap of Lithium Metal 2016-2021 (MT)

	2016	2017	2018	2019	2020	2021
USA Production (MT)	586	610	631	654	680	697
USA Consumption (MT)	1170	1209	1277	1321	1377	1412
USA Gap (MT)	584	599	646	667	697	715

* Source: Deutsche Bank Report, 2016

What the
Future
Lithium
Market will be
influenced by

Total Lithium Ion Battery Market:



* Source: Deutsche Bank Report, 2016

The New Stria Approach

The Stria Lithium Plan

1. Move downstream in the lithium production flowsheet to make primary metal by electrolyzing market available lithium carbonate. We propose building a 20 kg/day lithium metal electrolysis pilot plant in Kingston, Ontario. Upon successful pilot plant trials, we would move to build a 1,000 kg/day lithium metal demonstration plant in Québec or another jurisdiction where low electricity tariffs are available to industrial customers.
2. Start foil manufacturing using lithium metal purchased from existing suppliers.
3. Produce lithium chloride from commodity or battery grade lithium carbonate or hydroxide.
4. Prepare lithium chloride directly from market available spodumene concentrate.
5. Continue the development of the Pontax lithium spodumene project in Québec.



Strategic
Alliance

S
2GL
PLATFORM
GRAPHENE - GRAPHITE - LITHIUM

<< Stria Lithium is part of a
wider group of companies
building a next generation
batteries
platform >>

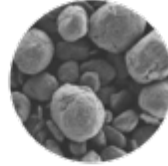


Next Generation Lithium Batteries

2GL PLATFORM



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2GL
Research and
Development
Centre
Kingston,
Ontario



2GL Research and Development Center

Research and Technology Development

- 220,000 sq ft of existing laboratory and pilot plant space
- 25 chemical, metallurgical and physical engineers and technologists
- Strong pilot plant infrastructure
- In house chemical and physical materials analysis (ICP-OES, AA, SEM)



Lithium Metal Production Site

Stria Lithium
Metal Production
Site Location

- Keys to Success

- World class technology development team
- Access to affordable power
- Access to infrastructure
- Access to knowledgeable workforce



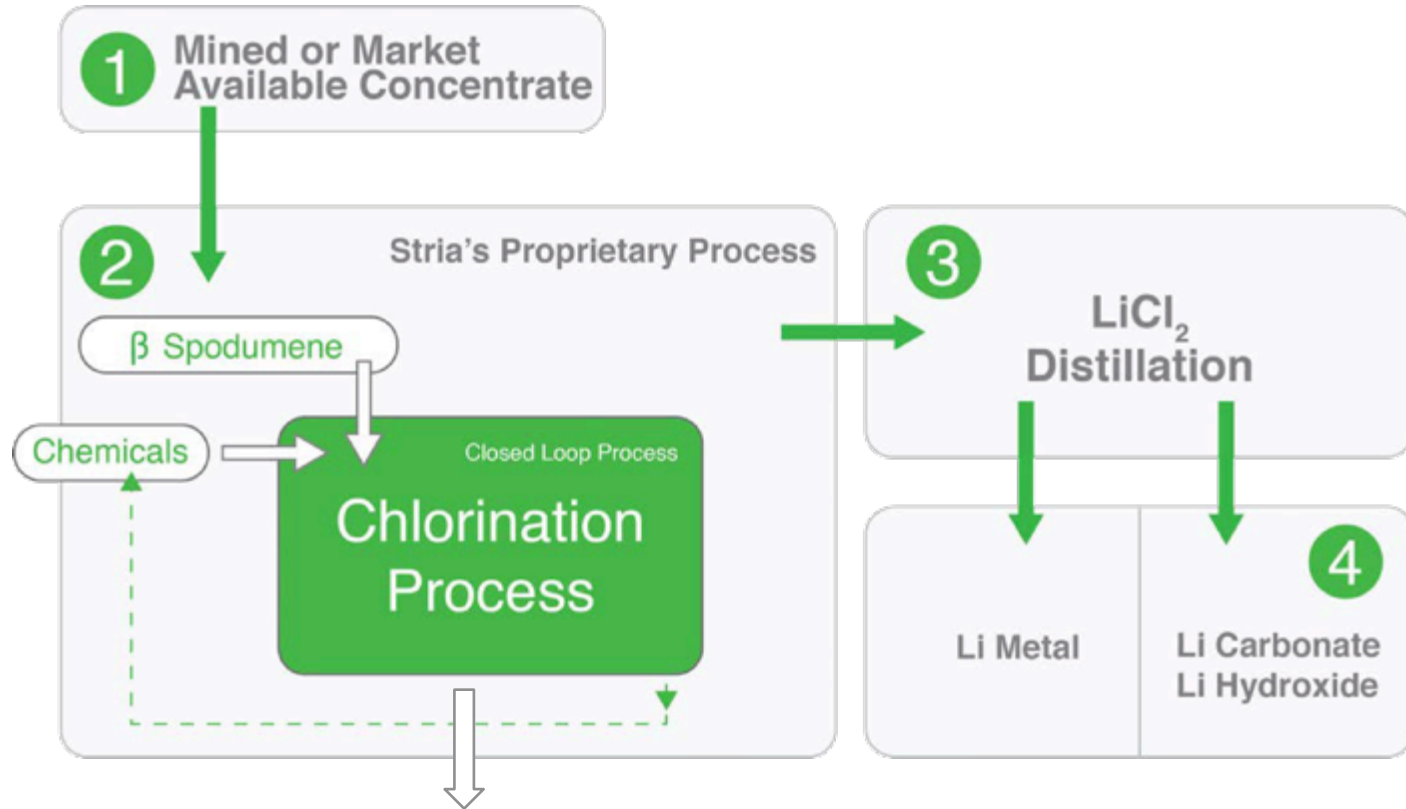
Stria Lithium Metal Production Philosophy

Stria Lithium's Operating Philosophy

- Lithium metallization has high margins worldwide
- Margins in China are slightly higher because of low labor costs. Stria expects to benefit from significantly lower energy costs.
- Stria to benefit from use of new automation technologies that require less labor than its N. American peers with older facilities
- Raw materials are the dominant component of cost, but Li metal is sold at cost plus margin, eliminating underlying commodity risk
- By developing its own lithium mining projects, Stria would benefit from controlling its raw materials supply resulting in additional cost savings



Our Proprietary LiCl₂ Process

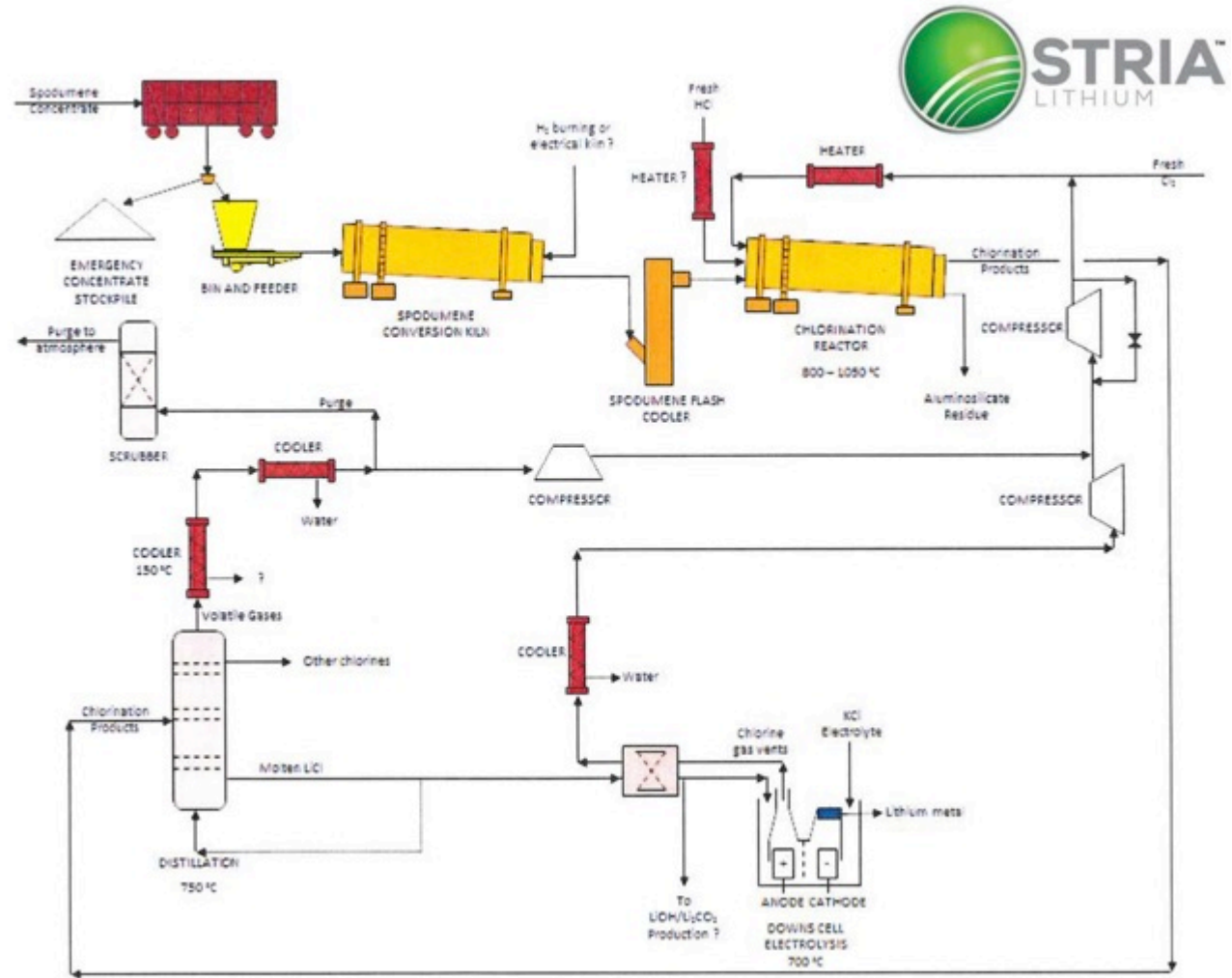


Impurity Rejects Recovered as Added Value Products.

1. Aluminum Silicate - "White Cement"

2. Ferric Chloride - Water Treatment

Our Proprietary Process

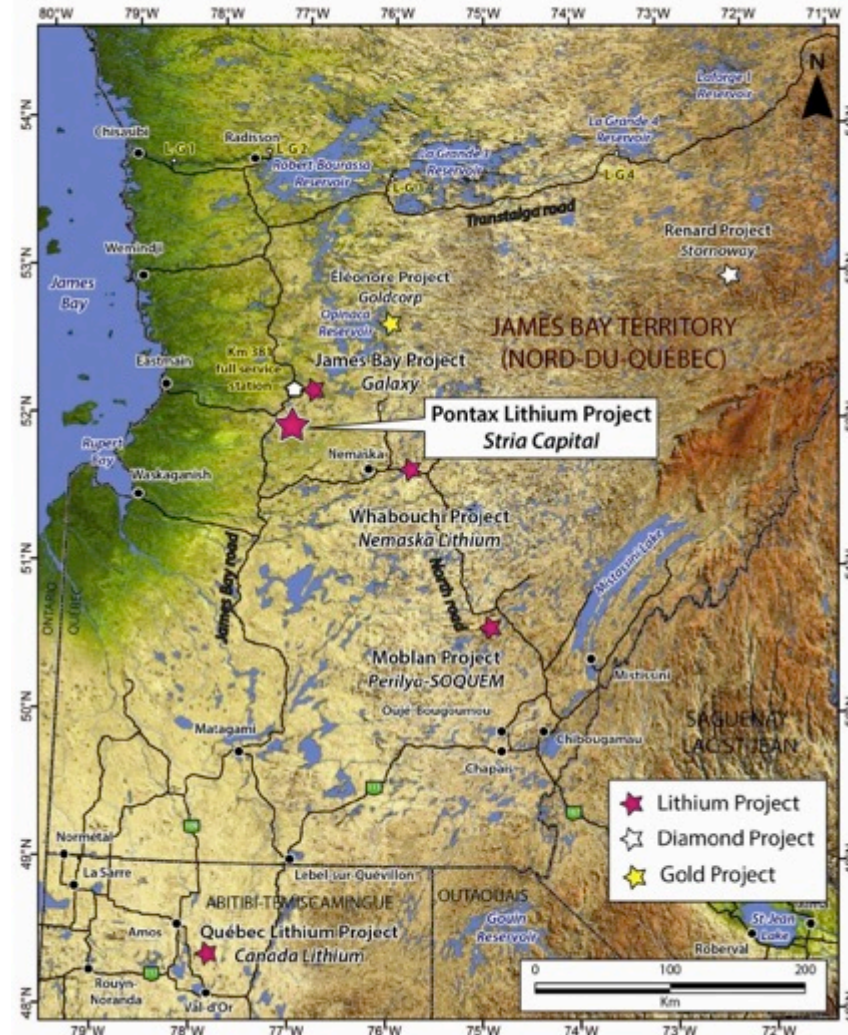


Stria Proprietary Technology Benefits

- A reduced environmental footprint from a smaller compact plant design
- Fewer process controls
- Less energy consumption
- Less chemicals
- Environmental sustainable recycling of chemicals
- Reduced capital costs
- Reduced operating costs



Pontax Lithium Spodumene Project



Location:
Western Eeyou
Istchee James
Bay territory,
Northern
Québec

Titles:
68 contiguous
mineral claims
(3,612.65 ha)

Pontax
Lithium
Spodumene
Project

Main spodumene pegmatite
outcrop occurrence



Pontax Lithium Spodumene Project: Exploration and Testing

- Early stage mineral development project
- Lithium pegmatite dyke swarm
- NI 43-101 compliant qualifying report completed in 2013
- Initial bulk sample upgrading tests conducted in 2016 achieved 6.3% Li_2O spodumene concentrate with 85% overall recovery.
- Potential to recover Tantalum, Quartz and Feldspar as additional revenue streams
- Phase II bulk sampling and metallurgical testing planned for 2019

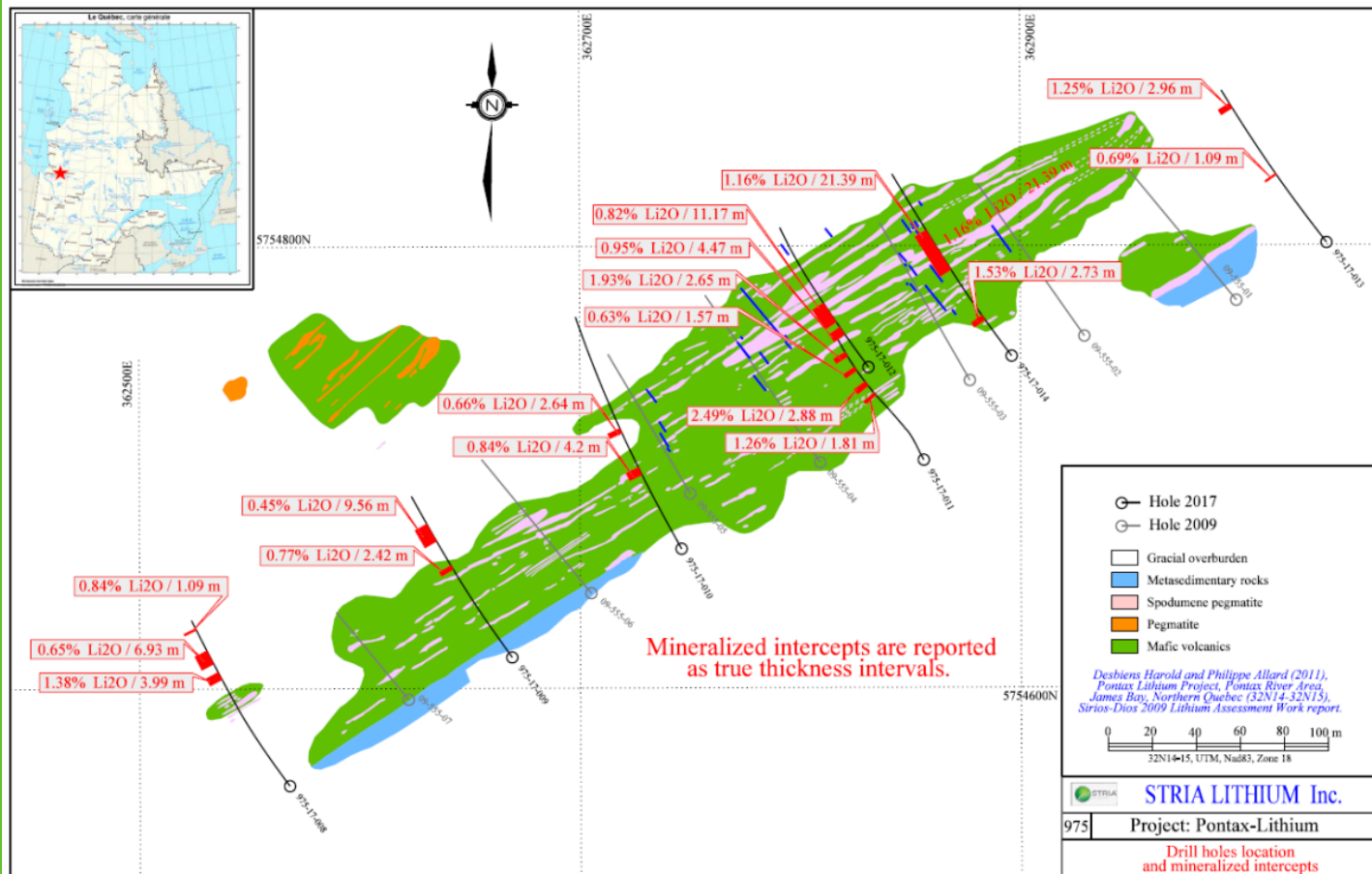


Pontax Lithium Spodumene Project: Exploration and Testing

- Initial round of core drilling completed in Dec. 2017 (7 BTW-diameter holes for a total of 911.4 m drilled)
- All 7 holes intersected spodumene bearing pegmatite dykes grading from 0.65% Li_2O to 2.49% Li_2O over a minimal true thickness of 1.0 m
- Best intersection: 21.39 m* grading 1.16% Li_2O (Hole 975-17-014) including:
 - 5.22 m* grading 2.18% Li_2O , and
 - 1.15 m* grading 3.18% Li_2O
- The spodumene bearing pegmatite dyke swarm is open along strike to the northeast and at depth

* *True thickness*

Pontax Lithium Spodumene Project: Exploration and Testing



How we will
succeed

Milestones to
2020

- Move the Pontax Lithium project to the mineral resource appraisal phase through additional drilling and metallurgical testing and prepare a first NI 43-101 compliant mineral resource statement
- Continue research and development toward proprietary production processes for Lithium Metal and Foil
- Co-development with Grafoid Inc. of an innovative graphene based membrane useful as a precursor to the traditional lithium extraction process



Stria Lithium Competitive Advantage:

Technical Capabilities

Stria is well positioned to enter the lithium metal and lithium foil market



- Highly experienced metallurgists on staff
- Metallurgy and technology commercialization
- Access to 2GL metallurgical research and development facilities in Kingston, Ontario
- Proprietary technology developed for treating hard rock lithium spodumene ores and off spec lithium compounds to lithium metal
- Close relationship with Alcoreco, specialists in advanced materials

Stria
Lithium
Competitive
Advantage:
Jurisdiction

Stria is well positioned to enter the lithium metal and lithium foil market



- North American company and management
- Strong support from Provincial Governments
- Electric power costs advantage
- Desire of end users to secure local sources of processed lithium materials

Stria Lithium Competitive Advantage:

Exploration Projects

Stria is well positioned to enter the lithium metal and lithium foil market



- Pontax Lithium project – wholly owned
- Situated in Québec's Plan Nord territory with strong government and community support for new mining projects
- Potential feedstock to fully vertically integrate lithium metal production in house



Why Stria ?

- **The Market –**
The lithium metal and lithium compound market remains robust - conservative growth potential of 27% CAGR
- **Competitive Advantage –**
Aims to be one of the lowest cost lithium metal producers
- **Technology Advantage –**
Proprietary chlorination process and in-house lithium metal and foil production technology
- **Corporate Advantage –**
Strategically partnered with Grafoid, Focus Graphite, Alcerco & Braille Battery Systems
- **Management –**
Experienced and accomplished management team





Thank you.