

Aggressively Defining Lithium Resources in Brazil's Mining-Friendly Minas Gerais State

An Emerging Clean Energy Project in an Established Lithium-Producing District

Lithium Ionic is a Canadian junior mining company focused on advancing its flagship Itinga Project, spanning ~3,600 hectares in the mining-friendly and prolific lithium province of Minas Gerais, in Brazil.



Investment Opportunity

- ✔ ~3,600 ha land package located in Brazil's most mining-friendly state, Minas Gerais
- ✔ Established lithium-producing district; High-quality, hard rock lithium spodumene deposits:
 - CBL lithium mine (36,000 tpy of spodumene concentrate @ 5.5%) and <4km from near-term producer Sigma Lithium (33,000 tpy LCE In spodumene concentrate)*
- ✔ Several lithium-bearing pegmatites already defined and will continue to be drilled this year
- ✔ Strong cash position of ~\$35M enabling us to fund aggressive exploration & engineering
- ✔ Established infrastructure and regional proof-of-concept greatly reduce CAPEX and OPEX risks
- ✔ Sigma Lithium (SGMC \$3B mkt cap) and Latin Resources (LRS A\$210M mkt cap) provide compelling valuation goal posts
- ✔ Well-positioned to benefit from a continued boom in lithium demand



Surging Industry Demand

The transition to green energy has made lithium one of the most sought-after metals.

The price of lithium carbonate (LCE), the raw material used in lithium-ion batteries, soared in 2022 from a 5-yr avg. of ~\$14,000/t to +\$80,000/t.

According to Benchmark Minerals Intelligence, demand for LCE is set to increase to 2.4Mt in 2030, compared with around 600,000t in 2022.



Upcoming Catalyst

Maiden Mineral Resource Estimate Expected in early 2023

2022 Year-in-Review:

Corporate Launch, Successful Exploration, & Upcoming Maiden Mineral Resource Est.

Corporate Launch in May 2022

- Lithium Ionic began trading on the TSXV in May 2022 with a primary focus on exploration activities and discovery; launched at \$0.70/sh valuation, hitting peak of \$2.02 in Dec. 2022

Successful Exploration & Upcoming Resource

- Discovery of lithium-bearing pegmatites
- 11,000m drilled in 2022; 1,200m of trenching
- Drill highlights: **1.98% Li₂O over 25.63m**, **1.94% Li₂O over 19.78m** and **1.71% Li₂O over 21.91m**

Positive Initial Metallurgical Test Results

- Excellent lithium recoveries of 77.99% at Bandeira and 82.52% at Galvani, producing a high-quality lithium concentrate of 6%, with low iron content
- Demonstrates that these main mineralized bodies could generate high-quality spodumene concentrates

Strategic Property Acquisitions

- Land holdings increased nearly threefold from 1,300ha to 3,600ha in the region which hosts 100% of Brazil's official lithium reserves

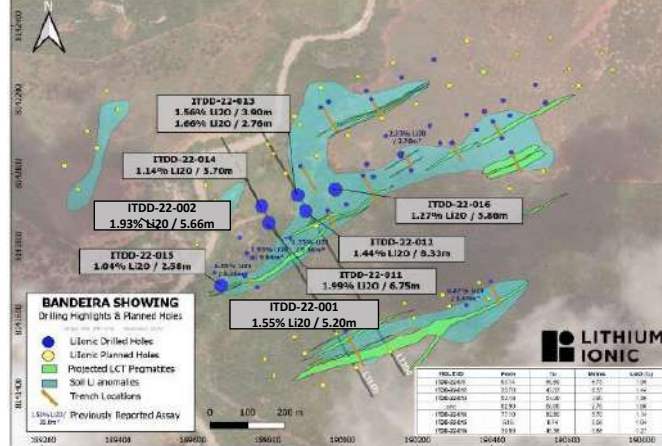
Financial Strength

- \$25M private placement closed in Oct 2022; current cash position of ~\$30M

2023 Outlook & Catalysts

Our objective in 2023 is to continue unlocking value for our shareholders by advancing and further demonstrating the potential at our Itinga Project

- Maiden mineral resource estimate expected in early 2023
- 30,000m drill program underway, 5 drills; continuous results
- Surface sampling & trenching with aim to make new discoveries
- Baseline studies underway for ESIA
- Continue exploring strategic acquisitions



Capital Structure & Cash

Exchange : Symbol	TSXV : LTH
Share Price (Jan 12, 2023)	C\$1.57
Shares Outstanding	116,799,354
FD Shares Out.*	133,095,803
Market Capitalization	C\$190 Mil
Cash Balance (Jan. 2023)	~C\$30 Mil

Research Coverage

CLARUS
SECURITIES INC.

CORMARK
SECURITIES INC.



Contact Us +1 647-316-2500
info@lithiumionic.com

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