

TSXV:ETMC | FSE:0U7A | OTC:EEMMF

Unlocking  
**A New Source  
of Lithium**  
in Alberta



**E3 METALS CORP**

# Forward Looking Statements



This presentation contains forward-looking statements regarding E3 Metals Corp. ("E3 Metals" or "the Company") and the potential of its current and future projects. Generally, forward-looking statements can be identified by the use of forward-looking language such as "plans", "expects", "budgets", "schedules", "estimates", "forecasts", "intends", "anticipates", "believes", or variations of such words and phrases, and statements that certain actions, events or results "may", "could", "would", "might", "will be taken", "will occur" or "will be achieved". Forward-looking statements are based on the opinions and estimates of E3 Metals as of the date such statements are made.

Forward-looking statements are subject to known and unknown risks, uncertainties and other factors that may cause the actual results, levels of activity, performance or achievements of E3 Metals to be materially different from those expressed or implied by such forward-looking statements, including, but not limited to, risks related to: E3 Metals' ability to effectively implement its planned exploration programs; unexpected events and delays in the course of E3 Metals' exploration and drilling programs; changes in project parameters as plans continue to be refined; the ability of E3 Metals to raise the capital necessary to conduct its planned exploration programs and to continue exploration on its properties; the failure to discover any significant amounts of lithium or other minerals on any of E3 Metals' properties; the fact that E3 Metals' properties are in the exploration stage and exploration and development of mineral properties involves a high degree of risk and few properties which are explored are ultimately developed into producing mineral properties; the fact that the mineral industry is highly competitive and E3 Metals will be competing against competitors that may be larger and better capitalized, have access to more efficient technology and have access to reserves of minerals that are cheaper to extract and process; the fluctuations in the price of minerals and the future prices of minerals; the fact that if the price of minerals decreases significantly, any minerals discovered on any of E3 Metals' properties may become uneconomical to extract; the continued demand for minerals and lithium; that fact that resource figures for minerals are estimates only and no assurances can be given than any estimated levels of minerals will actually be produced; governmental regulation of mining activities and oil and gas in Alberta and elsewhere, including regulations relating to prices, taxes, royalties, land tenure, land use, importing and exporting of minerals and environmental protection; environmental regulation, which mandate, among other things, the maintenance of air and water quality standards and land reclamation, limitations on the general, transportation, storage and disposal of solid and hazardous waste; environmental hazards which may exist on the properties which are unknown to E3 Metals at present and which have been caused by previous or existing owners or operators of the properties; reclamation costs which are

uncertain; the fact that commercial quantities of minerals may not be discovered on current properties or other future properties and even if commercial quantities of minerals are discovered, that such properties can be brought to a stage where such mineral resources can profitably be produced therefrom; the failure of plant or equipment processes to operate as anticipated; the inability to obtain the necessary approvals for the further exploration and development of all or any of E3 Metals' properties; risks inherent in the mineral exploration and development business; the uncertainty of the requirements demanded by environmental agencies; E3 Metals' ability to hire and retain qualified employees and consultants necessary for the exploration and development of any of E3 Metals' properties and for the operation of E3 Metals' business; and other risks related to mining activities that are beyond E3 Metals' control.

Although E3 Metals has attempted to identify important factors that could cause actual results to differ materially from those contained in the forward-looking statements in this presentation, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements contained in this presentation. E3 Metals does not undertake to update any forward-looking statements except in accordance with applicable securities laws.

Chris Doornbos (P.Geol), President, CEO and a Director of E3 Metals Corp., is a Qualified Person as defined by National Instrument 43-101 and has read and approved the technical information contained in this presentation.

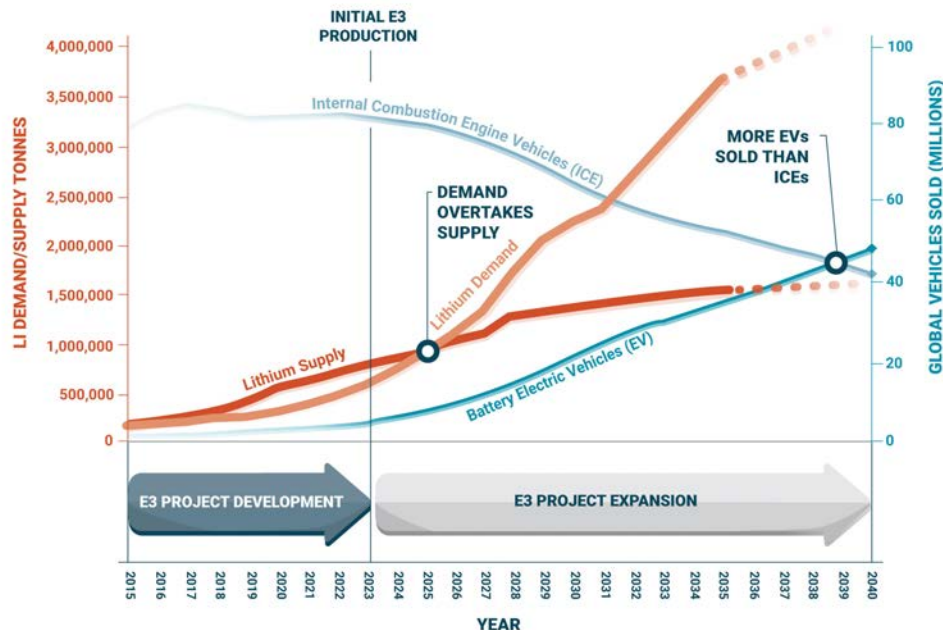
## **E3 IS ON THE PATH TO DELIVERING LITHIUM PRODUCTION IN ALBERTA**

- Holds a globally significant lithium resource in Alberta; a stable and secure jurisdiction
- Developed proprietary process technology to extract lithium from the Alberta brines and E3's resource
- Advancing this technology through a strategic collaboration with Livent Corporation
- Initial development plan is to produce 20,000 tonnes LCE/year with ability to scale up
- Direct lithium production process utilizes significantly less land area over conventional sources
- Growth in lithium demand expected to expand driven by significant anticipated growth in the EV market



# Lithium Market Dynamics

## Optimal Timing for New Supply

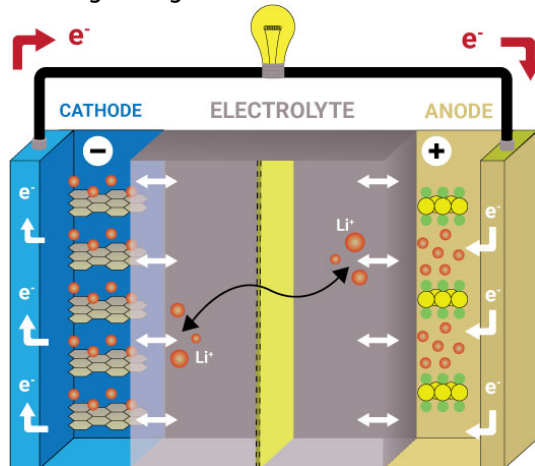


Sources: Benchmark Mineral Intelligence, Bloomberg New Energy Finance, E3 Development Plan

- **Strong demand growth** expected from electric vehicle (EV) sales and battery capacity growth
- **Lithium pricing set to increase** as demand is expected to outstrip supply
- **Anticipated supply constraints** likely to coincide with E3's planned production

## WHY LITHIUM?

- The mobile battery market is expanding and demands high efficiency energy storage
- Lithium ion batteries provide the best option
  - High energy density
  - Lightweight



## BATTERY CHEMISTRIES

### LMO LITHIUM MANGANESE OXIDE

- Shorter lifespan and usually blended with NMC chemistries or aluminum to enhance the performance
- LMO-NMC blends were utilized in Nissan Leaf EV models

### NMC LITHIUM NICKEL MANGANESE OXIDE

- Increased nickel content provides better battery density while at the same time becoming more unstable

### NCA LITHIUM NICKEL COBALT ALUMINUM OXIDE

- High energy and power densities with longer life span
- Used in Tesla/Panasonic batteries

# E3's Strategic Project Location

## *The Alberta Advantage*



### Stable and Mature Oil & Gas Regulatory Regime

- Lithium production is largely similar to oil & gas
- Lithium and oil & gas can operate concurrently
- The regulatory framework for oil & gas is well understood

### Available Infrastructure and Expertise

- Underutilized talent with applicable expertise
- Repurposing oil & gas infrastructure could minimize environmental impacts
- Low cost resource delineation

### Government Supportive of Economic Diversification

- Alberta is industry friendly & entrepreneurially minded
- The production of lithium could create jobs adding to the overall economy

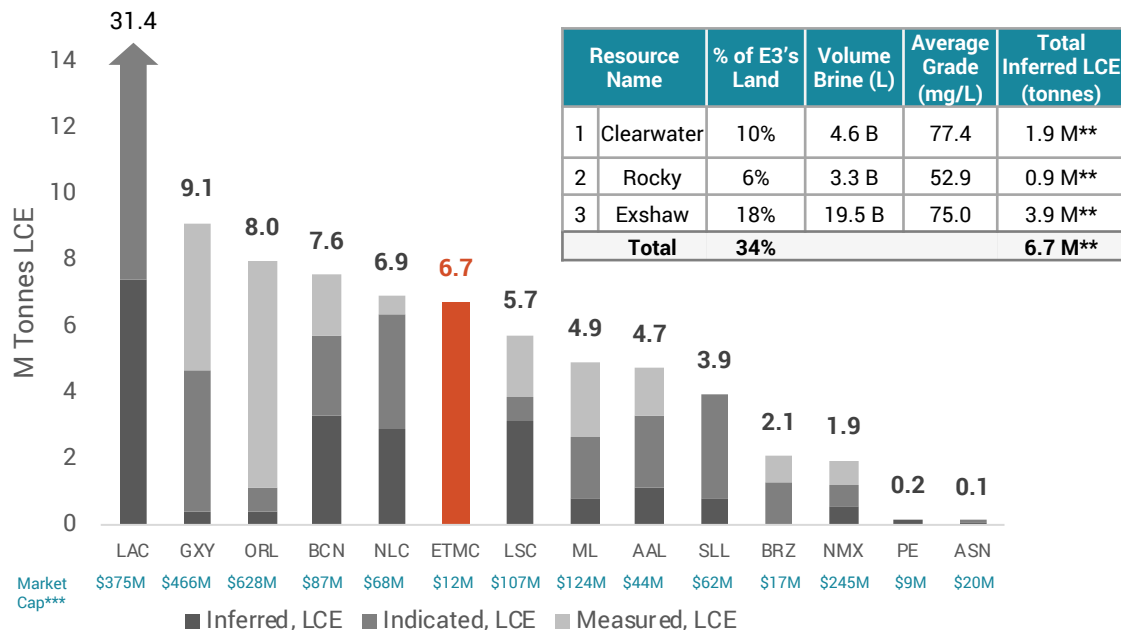


# Globally Significant Resource

## Lithium Mineral Resource



- E3 Holds 6<sup>th</sup> Largest Lithium Resource Globally\*
- Over 1.3 Million Acres Of Permits For Development



TSXV:ETMC



\*Based on comparable company's publicly available data from September 2019. E3 Metals is not responsible the accuracy of this data.

\*\*Combined Inferred Minerals Resources outlined in NI 43-101 reports for Clearwater, Rocky and Exshaw Projects; the reports can be found on E3 Metals' website ([www.e3metalscorp.com](http://www.e3metalscorp.com)) or SEDAR ([www.sedar.com](http://www.sedar.com)).

\*\*\* All Market Cap Information is in Canadian Dollars as of September 17, 2019

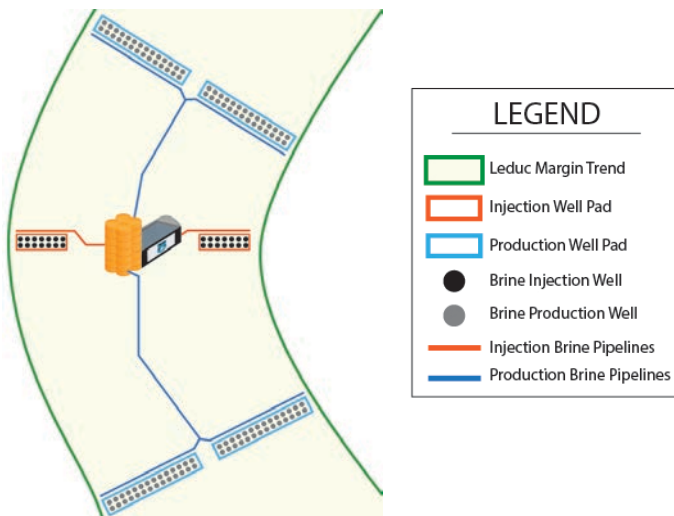
# The Leduc: A Vast Reservoir

*An Emerging Source of Lithium  
from Oilfield Brines*



## SIZE, QUALITY AND SCALABILITY

- Reservoir expected to deliver brine at an equivalent rate to 50,000 tonnes/year LCE for over 35 years in the Clearwater area alone\*
- Straight forward development model which can be easily scaled

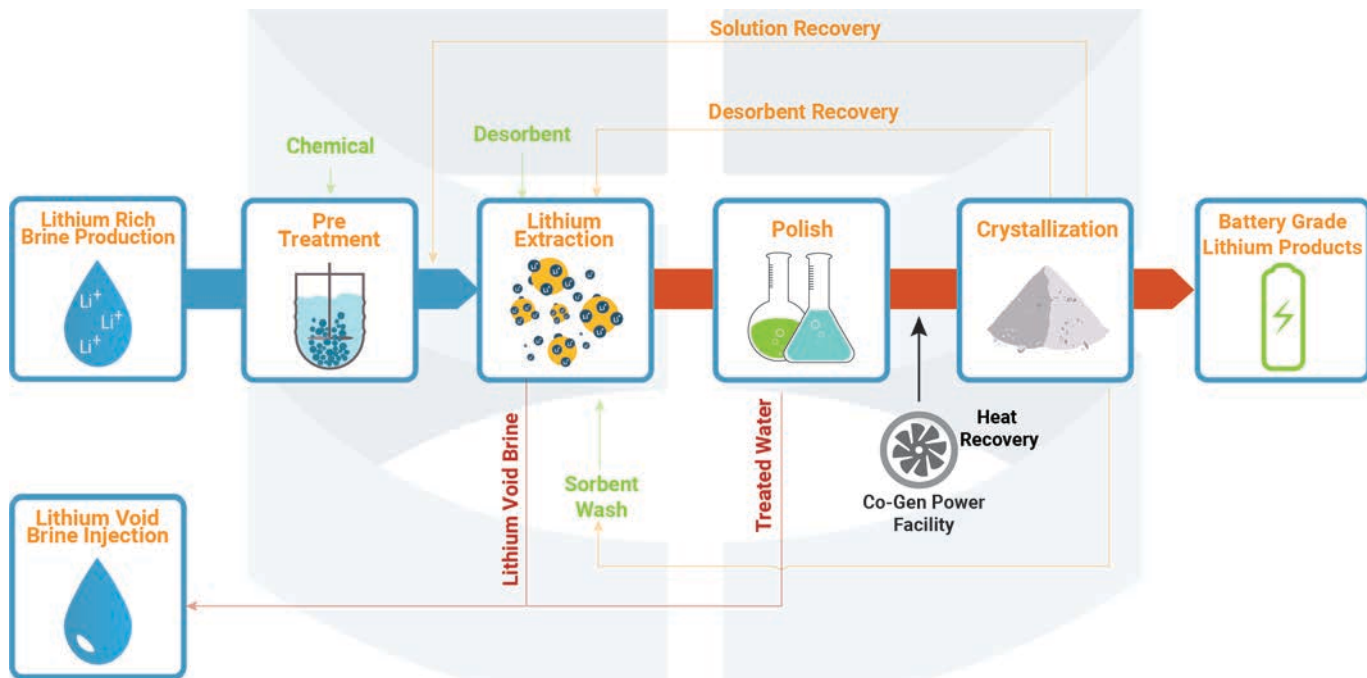


Leduc Reservoir	Advantage
Deep confined aquifer	No connection to surface groundwater
High pressure	Able to flow at high rates
Hot brine temperature	Geothermal energy potential
High porosity and permeability	Substantial brine storage and flow capability



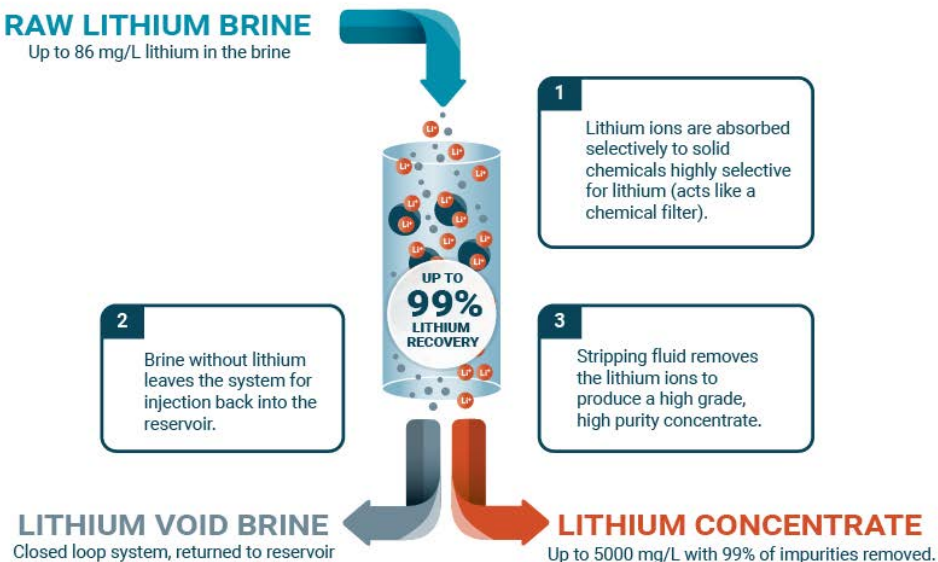
# E3's Lithium Process

*Efficient and Rapid*



### RAW LITHIUM BRINE

Up to 86 mg/L lithium in the brine



### HIGH PURITY: 99% IMPURITIES REMOVED

- Technology produces a pure concentrate solution
- Can be converted into lithium products

### CAN HANDLE LARGE VOLUMES OF FLUID

- Up to 100x volume concentration factor
- Easily scalable
- E3's technology utilizes conventional ion exchange processes
- Minimal land disturbance with no evaporation ponds required



### Jointly unlocking the value of E3's direct brine lithium technology

#### Technology Development

- Livent is a leader in lithium production and processing
- Agreement provides developmental capital for technology advancement
- De-risks E3's technology scale up
- Accelerates development timelines through process know how and ion exchange expertise

#### Expertise And Capital

- Collaboration on developing Direct Lithium Extraction (DLE) Technology towards commercial lithium production
- Livent brings their wealth of experience in lithium process technology development
- Livent's commitment of up to US \$5.5M
- Potential investment conversion in 19.9% of E3 ownership

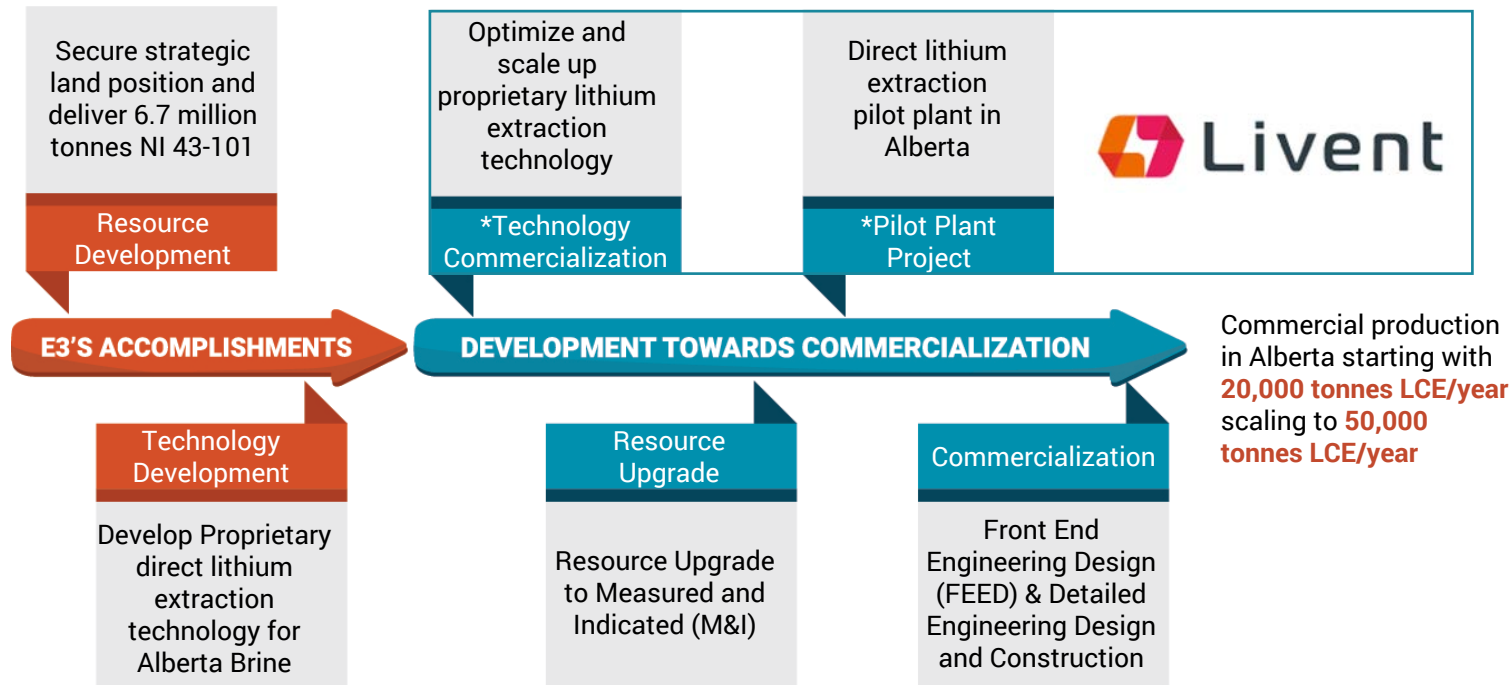
*News Announcement September 18, 2019: [e3metalscorp.com/news-releases](https://www.e3metalscorp.com/news-releases)*

- Largest **pure play lithium company** in the world
- Market cap: **\$1.1 billion USD\***
- 2018 Revenue: **\$442 million USD**
- 6 manufacturing facilities located in **5 different countries**
- Brine resource & production in **Argentina**
- Broad product portfolio including **battery grade** lithium carbonate and hydroxide
- Development of lithium materials for **high-energy density cathodes**
- A preferred partner of **major battery producers** and automakers to produce ground-breaking products



# On the Path to Production

## Streamlined Development Plan



# The E3 Metals Team



## Executive Team

**Chris Doornbos (P.Geo)**

**PRESIDENT, CEO, DIRECTOR**

Seasoned industry professional managing exploration and development companies in Canada and across the globe. Specializing in project advancement.

**Liz Lappin (P.Geo)**

**VP CORPORATE AFFAIRS & EXPLORATION**

Professional Geologist with over 14 years experience in Alberta's Energy industry working for some of Canada's largest oil and gas producers.

**Greg Florence (CPA, CMA)**

**CFO/COMPANY SECRETARY**

Over thirty-seven years of business experience including upstream oil and gas, green technologies, industrial supplies, and agribusiness.

**Mike O'Hara (P.Eng)**

**DIRECTOR**

Specialist in founding and developing growth oriented energy and technology companies. Former President of Bernum Petroleum, Xergy Processing Inc. and Calahoo Petroleum.

**Peeyush Varshney (LLB)**

**DIRECTOR**

Industry executive and corporate advisor, founding and funding mineral exploration companies in Vancouver.

**Paul Reinhart**

**DIRECTOR**

Early stage project financing and startup advisor developing successful business from the early stages.

## Advisory Board

**Dr. Wayne Monnery**

**TECHNICAL ADVISOR**

Specialist in Chemical Engineering with 30+ years' experience in process engineering development and design in the chemical and petroleum industries.

**Dr. Shaun Presow**

**TECHNICAL ADVISOR**

Strong background in inorganic chemistry. Experienced in lithium ion battery cathode material specifications. Senior auditor for BASF.

**Dr. Mike Dixon**

**TECHNICAL ADVISOR**

Global expert in desalination and water treatment technology. CTO for WaterNEXT and CEO of IoT company Synauta.

**Kevin Reinhart**

**ADVISOR**

An executive for 20 years at Nexen, a publicly listed major upstream oil and gas company with an enterprise value of over \$20 billion.

**Jean Croteau**

**ADVISOR**

Financial markets expert with significant experience at large Canadian financial institutions.

**Steven Goldman**

**ADVISOR**

President of CEO of Comstock Metals and founding partner of the law firm Goldman Hine.

# Stock Information



TSXV: ETMC

## CAPITAL STRUCTURE



Closing Share Price	\$0.48
52-week Price Range	\$0.23-0.60
Shares Outstanding	25,073,985
Shares Outstanding Fully Diluted	30,504,631
Market Cap	\$12.0M

\*All Information as of September 24, 2019

TSXV:ETMC

# Notes

---

