



GLOBAL-TECH
GREEN ENERGY & MINERALS

**AN INNOVATIVE
AND LEADING
MINING SERVICES
COMPANY**

INVESTOR PRESENTATION

2022



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GLOBAL-TECH GREEN ENERGY & MINERALS

www.globaltechenergy.com

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2021: RECORD YEAR FOR PRODUCTION



Highest year for production achieved to date, exceeding previous year's figures despite lower evaporation rates

- Production of nearly 3,000 metric tons during 2021 to date, up 8% on the previous corresponding period (PCP), following upgrades to some processing plant and machinery and a strategy of better managing quality of brine.
- Annual revenue for 2021 to date of USD \$23.5 million on sales of 2,976 tons.
- Average sales price in 2021 of USD \$7,901/ton FOB1, up 4% from the PCP due to both direct and indirect impacts of China's prolonged market softness and increase in U.S. demand.
- 2021 average cost of sales to date of USD\$3,713 / metric ton, down by 3% over the PCP and strong gross cash margin of USD\$4,188 / metric ton (or 47% margin).
- Stage 2 expansions continue with new machinery at various sites.
- Increased production from our two Zimbabwean sites forecast at 12% for 2021.

Global-Tech's corporate cash balance at 31 September 2021 of USD \$15.7 million, and Global-Tech 's net cash of USD \$9.9 million



OPERATION PLANNING

The growing lithium battery market is due to the large-scale applications of lithium, such as lithium-ion batteries, and are increasing the significance of its production.

Global-Tech Energy & Minerals, Canada Ltd want to capitalize on their market position and become one of the world's most responsible lithium mining companies.

Through increased demand, lithium resources are decreasing; thus, lithium extraction involving salt-lake brine and seawater has a growing appeal due to its low mining costs and the abundant reserves.

Global-Tech are exploring an electrochemical-battery lithium-extraction process which is considered the most effective method due to its excellent lithium selectivity, high insertion capacity, low energy consumption, high reversibility and eco-friendliness.

The combination of the electrochemical lithium-recovery process, with a desalination process, enables the highly efficient and economical extraction of lithium from low-concentration solutions.

We forecast that all of our current 10 projects will be utilizing electrochemical battery lithium-extraction processes by the 3rd quarter of 2022 and any new projects started after December 2021 will utilize it from day 1 of production.

Global-Tech is committed to being a responsible mining company which safeguards the environment we live in.



OUR GLOBAL VISION

To be a Responsible & World Class supplier of Lithium

What is World Class?

Acting responsibly towards the environment, being financially secure, leading mining innovation and leading the way as an ethical employer.

Global-Tech has all the key attributes to access quality brine resources using cost-effective processes and technologies. Strong on-site teams and excellent strategic partners in place gives Global-Tech the advantage to potential expansions as well as capital and key financial agreements, some of which are already in place.



Research & Development

It is through this culture that a range of innovative products and processes have been developed, all of which are designed to facilitate increases in efficiencies, lower costs, provide a competitive advantage for our mining services business and facilitate the lowest quartile production costs.



Sustainability

Sustainability is key to our success as a World Class supplier. This can be achieved only by operating with integrity and focusing on the safety and wellbeing of our people, working in partnership with our stakeholders and challenging the status quo by actively exploring new ideas and opportunities.

14 Years in Operation



Continued operational reviews are underway at all our sites with an emphasis on key areas of Responsible Mining, Production Safety, Product Quality and Project Productivity

Existing strategic initiatives remain the focus:



- Production from Stage 1 - quality, productivity, long term supplier/customer relations
- Expansions - within timings and budget
- Production - Increased production facilities
- Project understanding - define resources and development

GLOBAL-TECH ETHOS

Lithium is crucial for the transition to renewable energies

1 Responsible Mining

The only growth projects that Global-Tech will pursue are those that will allow for us to mine in a responsible and ethical manner.

2 Ethos First

Despite the ever-increasing global demand, our focus is to ensure our mining processes have the least environmental impact and that they are as negligible as possible.

3

We will increase our growth by focusing only on project locations that allows for our ethical values to be maintained.

Growth

4

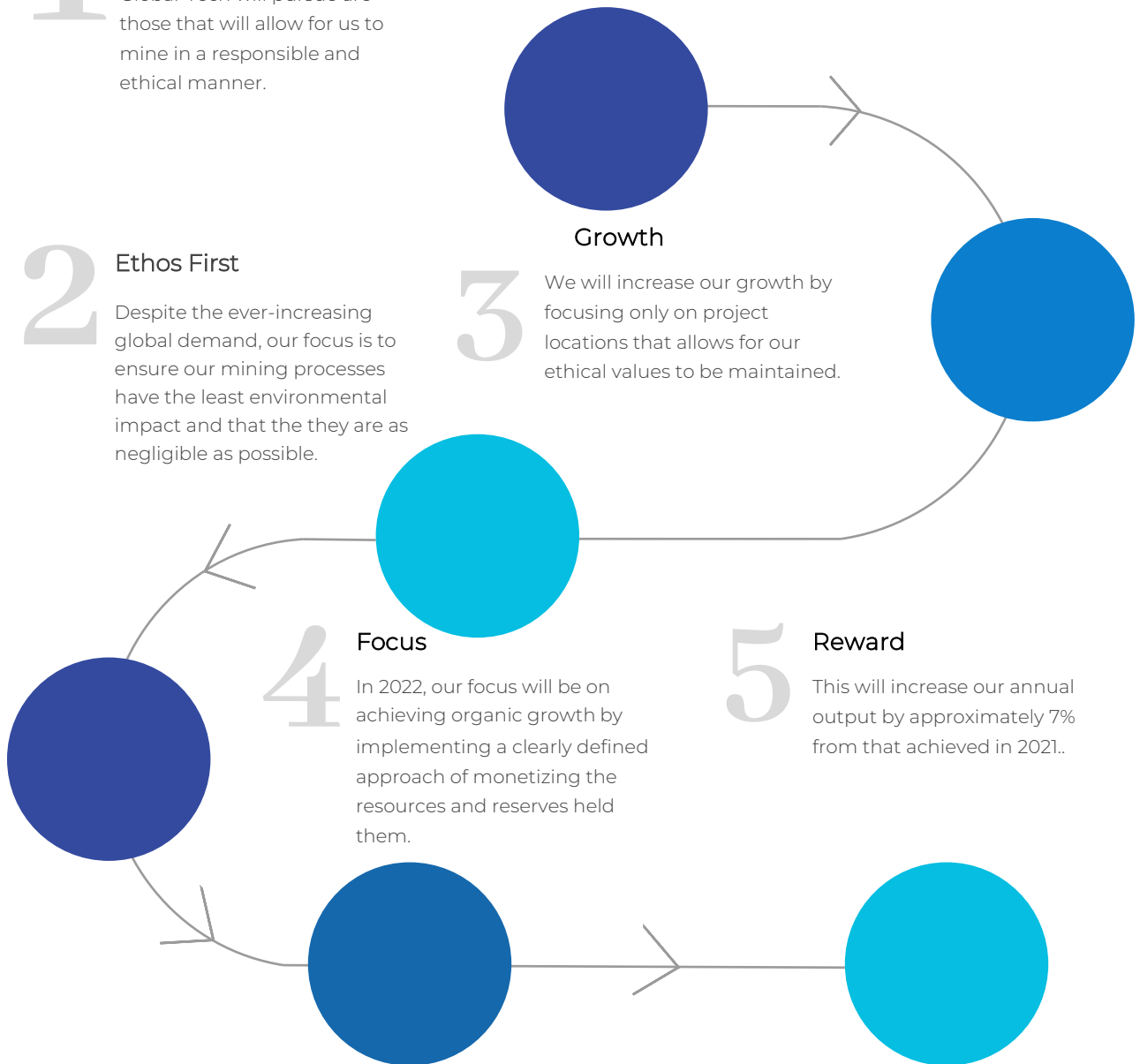
Focus

In 2022, our focus will be on achieving organic growth by implementing a clearly defined approach of monetizing the resources and reserves held them.

5

Reward

This will increase our annual output by approximately 7% from that achieved in 2021..



LITHIUM: The Facts



350,000

Home Products
using Lithium

Li-Ion batteries provide portable electricity to over 350K household products, powering electronic gadgets such as mobile phones, laptops and tablets. Lithium is also considered the future of Solar Power storage and Electric Vehicle



+2K%

Lithium-ion batteries have some of the highest energy densities of any current battery technology; they deliver three times the voltage of Ni-Cd or Ni-MH batteries



\$116.6B

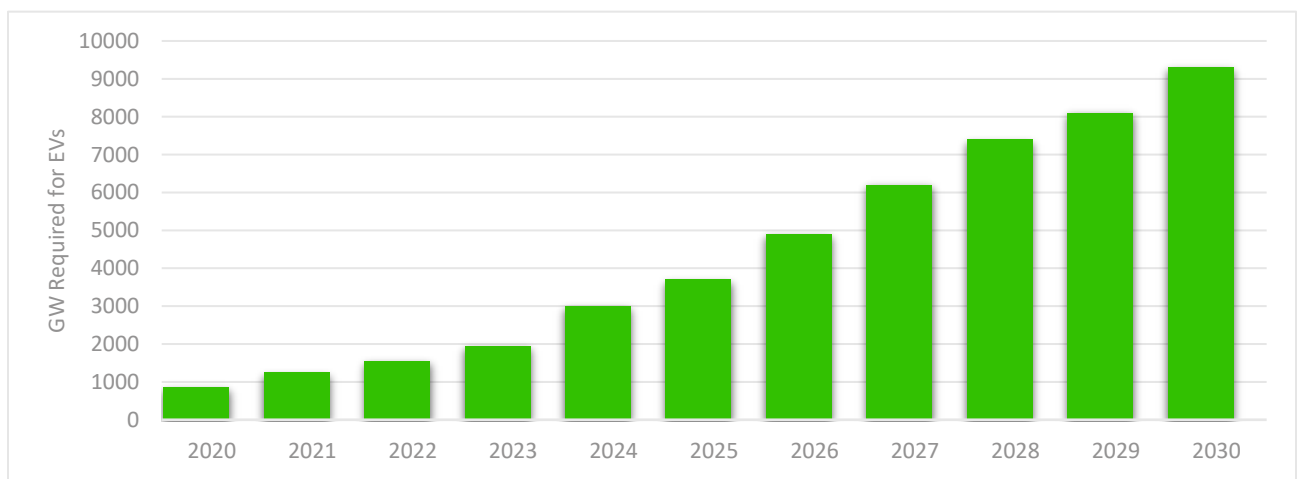
Global Market

Increasing demand for Lithium-Ion battery technology is seen surging from \$41.1 billion in 2020 to an estimated 116.6 billion by 2023, with an increase in market share of just over 12% per annum

Lithium is the
lightest metal in
the known
universe

BATTERY DEMAND OVER 10 YEARS

According to recent studies, the Lithium-Ion battery demand will double by 2025 and continue to rise by 12.3% through to 2030. The below chart shows the predicted demand in GWh for electric vehicles alone:



Lithium in 2021 Vehicle Sales

480,000 Vehicles Sold in 2021



PHEV

Plug-In Hybrid vehicle



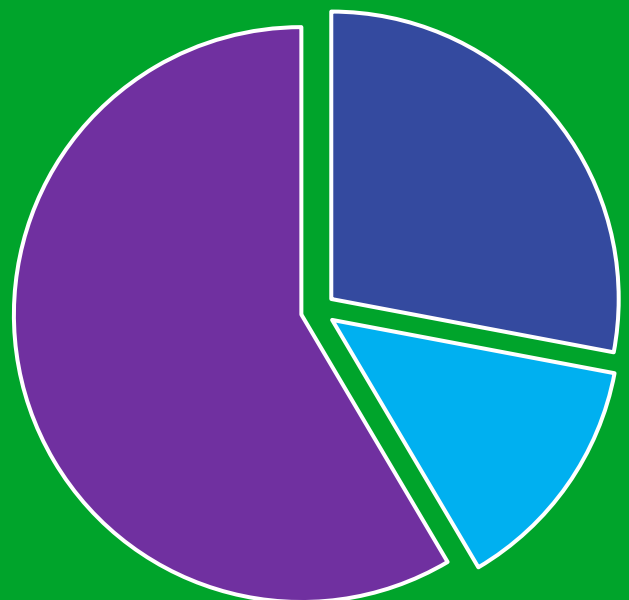
HEV

Recharging Hybrid Vehicle



BEV

Battery-Only Electric Vehicle



STAGE 2 DIVERSIFIES PRODUCTION STRATEGY

Stage 2 expansion underway at all projects where required with construction of improved access, new evaporation and harvest ponds, secondary liming plant and multiple boreholes (currently four new drill sites identified with two already started mid-Oct).

USD \$3.4 million had been spent on the first phase of expansion activities which started 18 August 2020

Production by Country

Bolivia: 55%

Argentina: 19%

Zimbabwe: 26%



1

Stage 1

Objective

Primary Processing, Research & Discovery

Expected Result

To discover high-grade lithium

Where

Bolivia, Argentina & Zimbabwe

Status

Stage Complete

2

Stage 2

Objective

Extraction, Process and Development

Expected Result

To produce and supply High-grade Lithium Carbonate

Where

Bolivia, Argentina & Zimbabwe

Status

In Progress

3

Stage 3

Objective

Expansion and Development

Expected Result

To discover and produce high-grade lithium Hydroxide

Where

Bolivia & Argentina

Status

Planning Stage

The 3-Stage Process

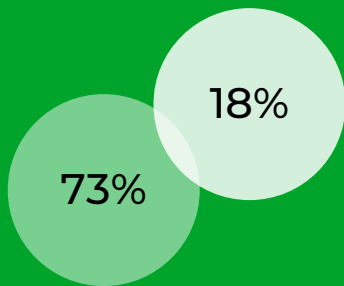
INCREASING INVESTMENT



Infrastructure Investment

The Biden administration have vowed to invest \$2 billion to improve the charging network over the next 10 years.

The European Union invested \$0.8 billion between 2017 and 2020.



According to the AFDC, 73% of battery technology was funded by vehicle manufacturers, whilst governments have donated 18% towards EV Battery research globally. The remaining 9% is funded by private individuals

Vehicle Manufacturers and Governments are investing in an Electric Future

Governments worldwide are preparing for the 'boom' in electric vehicle sales in coming years and are planning grid and charging capabilities to cope with demand..

\$300 Million invested by Auto Manufacturers

China's automakers will contribute over 44% of global funding for EV battery research

- Chinese Government have announced spend of ~U.S. \$3,400M on EV Infrastructure.
- China has committed to providing charging and grid infrastructure necessary to meet their target of 3 million EV sales by 2022.
- Global automakers have committed to U.S.\$300 billion investment in the development and procurement of battery and EV-related technology.
- Chinese government spend on infrastructure yet to be quantified
- Estimates represent investment and procurement budgets made public over the past two years (Jan 2020 - Dec 2021) by 29 of the world's top automakers, based primarily in the United States, China, Japan, Korea, India, Germany and France.



Why Invest in Global-Tech Green Energy & Minerals?

Global-Tech Green Energy & Minerals is in a unique position of expansion and development in a surging market with record-breaking demands.

Market Share

Further staged expansions will increase production from all projects, increasing the market share

7% Growth

Global-Tech's production forecast to be higher than 2021 by 7%_t

We forecast that all of our current 10 projects will be utilizing electrochemical battery lithium-extraction processes by the 3rd quarter of 2022 and any new projects started after December 2021 will utilize it from day 1 of production

Best annual production to date

Global-Tech remains a low-cost, high-margin producer with gross operating margins of 47%

Lithium chemical prices are set to increase as demand is soon to be greater than supply, long term fundamentals remain intact due to global legislation increasing EV demand



Project's Stage 2 expansion underway



Zimbabwe projects beating expectation forecasts



CONTACT INFORMATION

Global-Tech Green Energy & Minerals, Canada Ltd is an innovative and leading mining services company with a growing world-class portfolio of mining operations across multiple continents, with lithium at its core.



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