



ION ENERGY
TSX-V: ION

Exploring & Developing Mongolia's Lithium Salars



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NOVEMBER 2020

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Although the Company believes the expectations expressed in such forward looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results may differ materially from those in the forward looking statements. Factors that could cause the actual results to differ materially from those in forward looking statements include market prices, exploitation and exploration successes, and continued availability of capital and financing, and general economic, market or business conditions. Investors are cautioned that any such statements are not guarantees of future performance and actual results or developments may differ materially from those projected in the forward looking statements. Forward looking statements are based on the beliefs, estimates and opinions of the Company's management on the date the statements are made. Except as required by securities laws, the Company undertakes no obligation to update these forward looking statements in the event that management's beliefs, estimates or opinions, or other factors, should change.

The information provided in this presentation is not intended to be a comprehensive review of all matters and developments concerning the Company and should be read in conjunction with the other disclosure documents of the Company. The information contained herein is not a substitute for detailed investigation and analysis. No securities commission or regulatory authority has reviewed the accuracy or adequacy of the information presented.

Technical Disclosure

The technical information in this presentation has been approved by Khurel Lamzav, P. Geo of the Company and a Qualified Person as defined by National Instrument 43-101 – Standards of Disclosure for Mineral Projects.





MONGOLIA'S EMERGING LEADER IN LITHIUM EXPLORATION & DEVELOPMENT

CORPORATE OVERVIEW

ONE OF THE **LARGEST EXPLORATION** AND **FIRST LITHIUM BRINE LICENCE** EVER GRANTED IN **MONGOLIA**, WITH A PROMISING GEOLOGICAL PROFILE

- Located in one of Mongolia's largest and least explored salars, thought to contain Elevated Lithium Brine values
- Exploration efforts underway

THE WORLD IS GOING ELECTRIC

- ION Energy is ready for the 3rd wave of the clean energy revolution & the Increased Lithium demand

STRATEGIC ADVANTAGE

- Fully-funded to continue aggressive growth strategy
- Strong in-country team
- Proven track record
- Superior geographic location

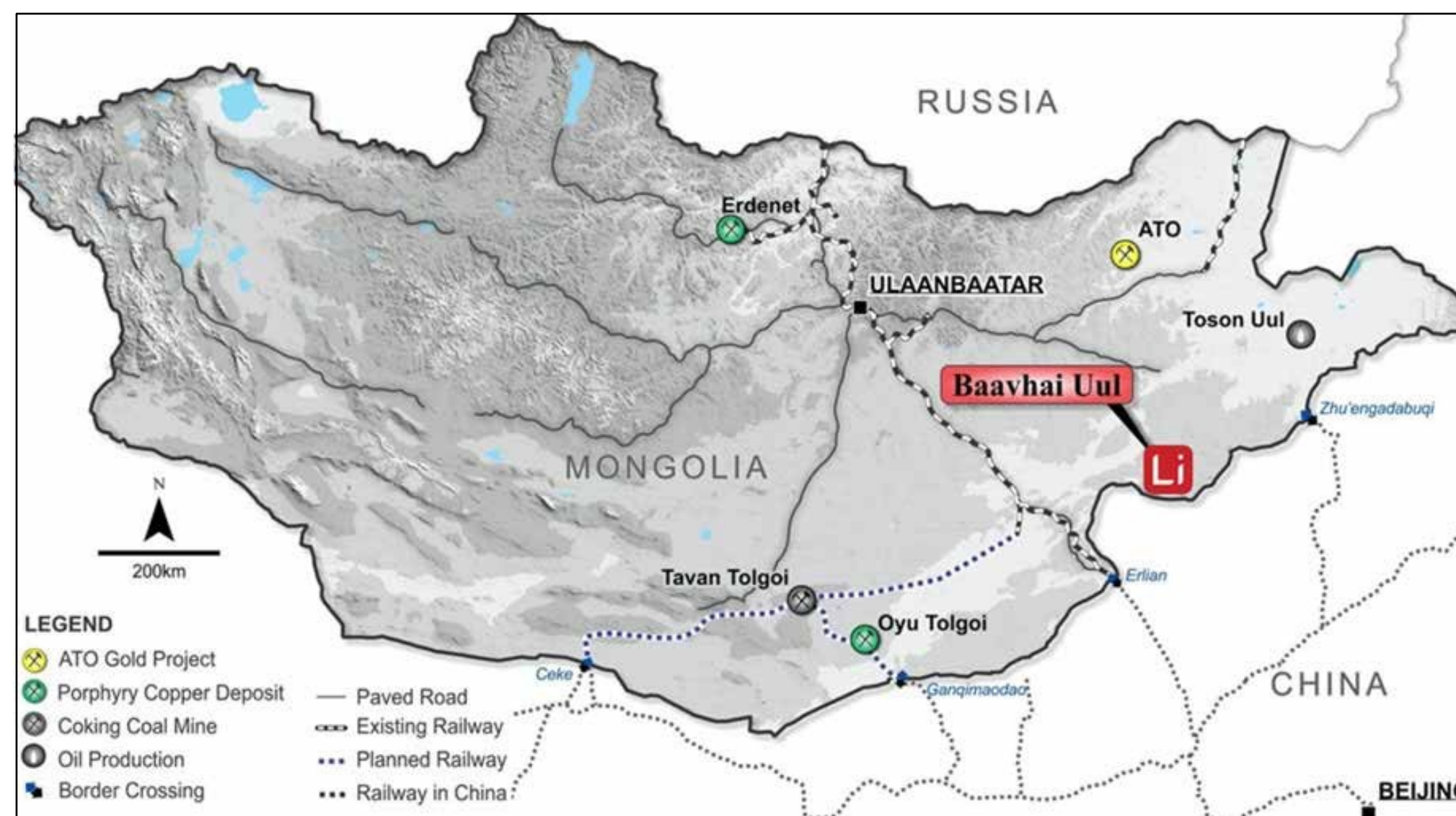


ION ENERGY

THE **BAAVHAI UUL LITHIUM BRINE PROJECT** IS A HIGHLY PROSPECTIVE EXPLORATION ON A **80,000+** HECTARE SITE.

EARLY RESULTS:

- All holes drilled contain significant levels of Lithium
- Average grade 426 ppm Lithium
- Maximum grade 811 ppm Lithium
- High evaporation and low precipitation endorheic basin, no outflow to external bodies of water

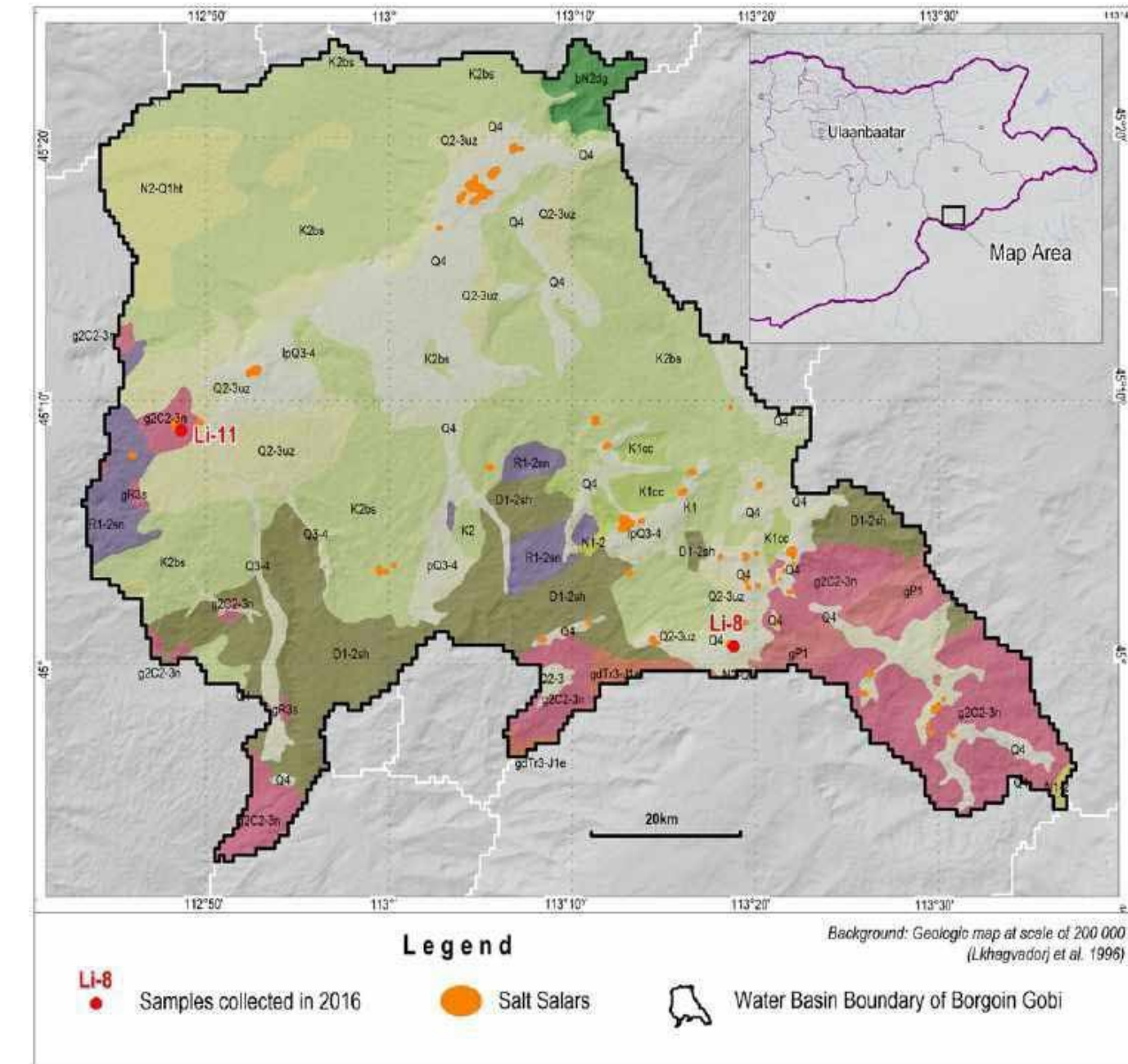


ION Energy's BAAVHAI UUL PROJECT

LARGEST EXPLORATION LICENCE EVER GRANTED IN MONGOLIA

GEOLOGICAL PROFILE:

- Low potassium and magnesium ratios: favourable for large crystal formation at licence altitude and temperature
- Shallow aquifers: Cretaceous volcanic and sedimentary rocks are the most suitable aquifer for the enrichment of lithium (light green areas)
- Brine vs hard rock sources = lower production costs
- Gobi Desert: arid environment with high evaporation rates



ION's STRATEGIC ADVANTAGE:

EXPERIENCED MANAGEMENT TEAM

■ ALI HAJI CEO, DIRECTOR

Director of Antler Hill Mining Ltd and Spirit Banner II Capital Corp. 13+ years international experience (asset management, risk analysis and program governance).

Advisor to ATMA Capital Markets Ltd and Steppe Gold TSX:STGO. BSc from University of Western Ontario.

■ MATTHEW WOOD CHAIRMAN OF THE BOARD

Chairman of Steppe Gold TSX:STGO, Founding Chairman of Avanco Resources (sold in March 2018 for AUD\$440M) and Hunnu Coal (sold for USD\$500M in 2012).

■ BATAA TUMUR-OCHIR DIRECTOR

A Mongolian Citizen that serves as CEO and Director of Steppe Gold TSX:STGO.

Mr. Tumor-Ochir is an advisor to the Ministry of Mining and Heavy Industry, holds a Bachelor's degree in business administration and graduate certificates in international business and marketing from Australia and Singapore.

■ ANEEL WARAICH DIRECTOR

EVP and Director of Steppe Gold TSX:STGO, Director of Antler Hill Mining Ltd, CEO of Spirit Banner Capital Corp, Founder of ATMA and ATMACORP with experience in investment banking at Dundee.

MBA from Goodman Institute of Investment Management at John Molson School of Business.

■ ENKHTUVSHIN KHISHIGSUREN DIRECTOR

Over 30 years of Mongolian mineral experience for multinationals. Credited for having discovered several prospective gold, molybdenum and copper deposits, including the Olon Ovoot multimillion ounce gold deposit.

■ JOHN McVICAR, CPA, CA CHIEF FINANCIAL OFFICER

A senior Finance executive with more than 30 years of experience in both industry and professional services. John most recently served as Partner, Advisory Services at EY for almost two decades, and in other senior Finance roles prior to that. He also holds the Chartered Professional Accountant designation.

ION'S STRATEGIC ADVANTAGE:

EXPERIENCED ADVISORY BOARD

■ PAUL FORNAZZARI

Mr. Fornazzari has been involved in the lithium industry since 2008 with the creation, as its initial Chairman, of Lithium Americas Corp. (currently in mine construction with its partner Ganfeng Lithium; \$970B market cap) and securing its initial strategic investments from Mitsubishi and Magna International, which helped launch this world class lithium brine asset. Subsequent thereto, Paul was a director of Neo Lithium Corp. (currently at the feasibility study stage). Paul has been involved in the resource industry for many years, gaining insight and experience in the company creation process through various directorships and as legal counsel. Currently, Paul is a partner at the law firm Fasken Martineau DuMoulin LLP, where he is head of Latin America for the Global Mining Group.

He holds a Masters of Law from Osgoode Hall Law School in Securities Law and a Bachelor of Law from the University of Windsor. Paul is a member of the TSX Venture Exchange's National Advisory Committee.

■ DON HAINS

Mr. Hains is President of Hains Engineering Company Limited and Principal of Hains Technology Associates. He is an industrial minerals exploration and economic geologist with more than 30 years of experience in exploration, development, use and analysis of industrial minerals properties and materials. He has a particular focus on critical and energy related minerals such as lithium. He has worked on projects throughout the world, including lithium and other industrial minerals projects in China and Mongolia.

His lithium experience encompasses all types of deposits, processing routes and stages of project development from exploration through to plant construction. He has written numerous NI 43-101 technical and due diligence reports on lithium projects in Canada, the United States, South America, Africa, Europe, the Middle East and Asia.

ION Energy: Ready for Third Wave of World's Clean Energy Revolution

LITHIUM: POWERING THE FUTURE

- "Global demand for lithium to increase eight-fold to 2030, as Electric Vehicle (EV) adoption increases and battery sector expands: (*Bloomberg)
- "Banks that manage one-third of all global capital (47 trillion USD) have committed to moving towards greener practices and divesting in fossil fuels." - Reuters



ION's STRATEGIC ADVANTAGE:

STRONG IN-COUNTRY TEAM WITH A PROVEN TRACK RECORD

- Management successfully operating in Mongolia for over a decade.
- A total of **100+ years** of combined **mining** and **exploration** experience
- Delivering outcomes for investors.



Hunnu Coal
A\$20m IPO
2010



Hunnu Coal
A\$500m Cash
Sale 2011



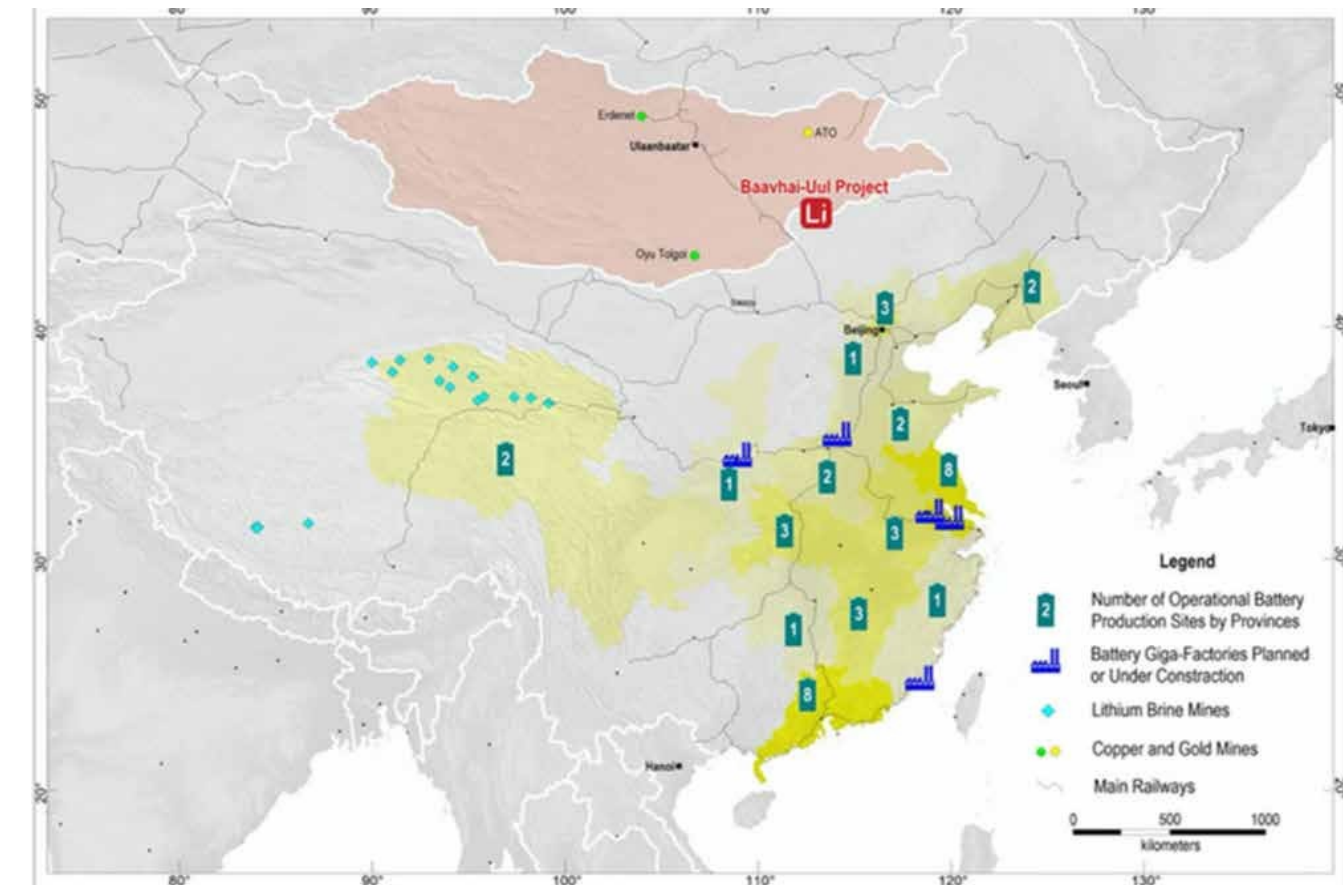
Steppe Gold
C25m IPO
2018



ION's STRATEGIC ADVANTAGE:

STRONG GEOGRAPHICAL LOCATION

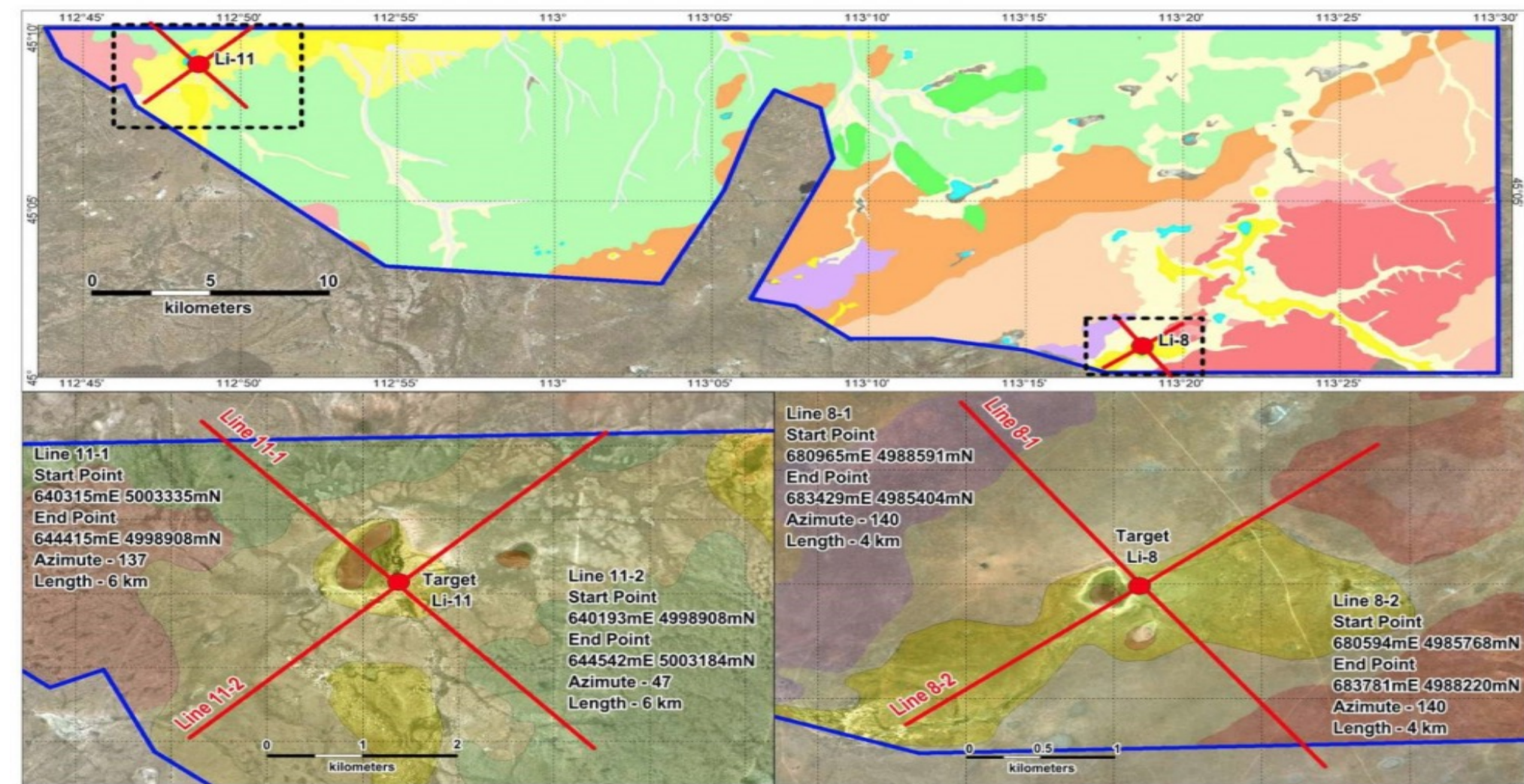
- Low cost and year-round operating environment
- Infrastructure rich location in Mongolia
- 30km by road to Mongolia-China border crossing
- Strong location advantage over South American producers: Mongolia set to become a major player in the lithium sector



ION'S EXPLORATION PROGRAM:

COMMENCED OCTOBER 2020

- Geophysics CSAMT - focus on targets L-11 (12 line-KM) and L-8 (8 line-KM), with soundings at 50m spacing
- The CSAMT survey will start by identifying brine aquifers, followed by reflection seismic work to identify structure.
- Auger drilling to commence Q1 2021

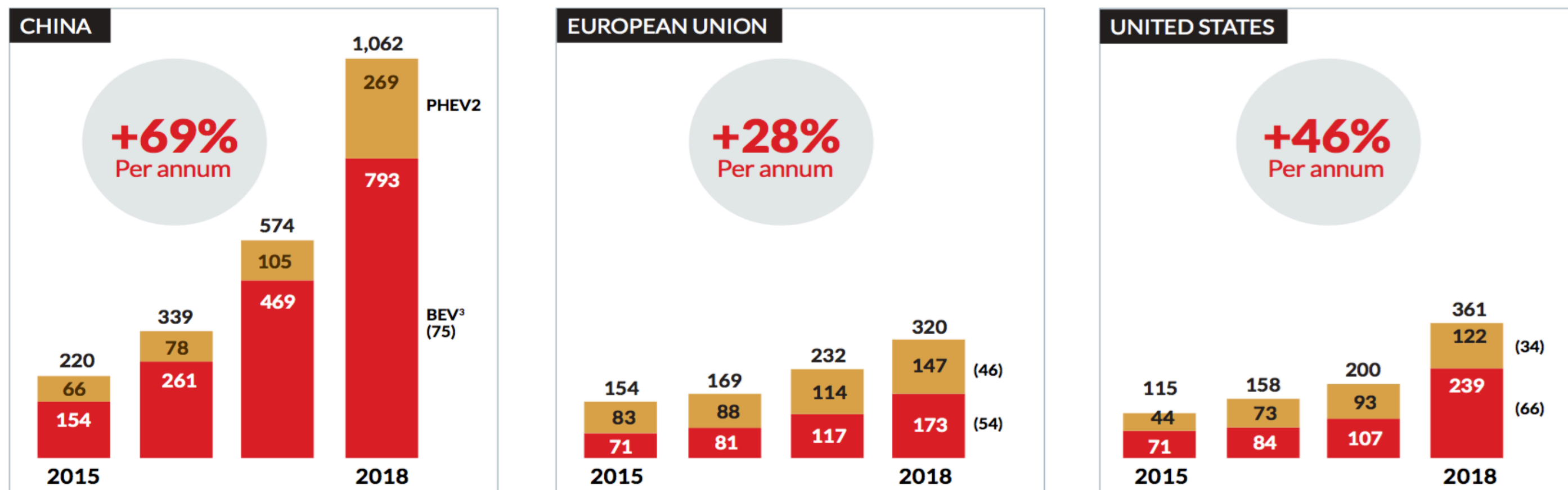


Why ION Energy's Mongolian site is a Geographic Advantage

- **China** is the **world leader** in manufacturing lithium batteries, and continues to **outpace** the globe in **demand** for **EVs**
- **Korea, Taiwan** and **Japan's** large tech industries will continue to fuel **demand** for **lithium batteries**.
- China dominates megafactories: 89 of 123 of the world's megafactories in the pipeline are in China, with one megafactory being built per week" (Benchmark Mineral Intelligence – 2020)

CHINA'S ELECTRIC-VECHICLE MARKET IS THREE TIMES THE SIZE OF THAT OF EUROPE OR THE UNITED STATES

Light EV Sales, by region, thousand units (% share of EV market)



WHY MONGOLIA?

Mongolia's mining industry contributes towards 20% of the nation's GDP & 80-90% of its export

- Neighbour to two giant markets: China & Russia
- Low transportation costs to Chinese battery markets
- No historical exploration in battery metals

Government prioritizes an investment-friendly environment:

- Mongolia's People Party (MPP) won another resounding victory in 2020, with a majority four-year mandate
- Low corporate income tax and government royalty obligations
- Government anti-investment regulations revoked in 2014
- Proactive and effective nationwide approach to Covid-19, creating opportunities for businesses with in-country presence

Untapped and unlimited potential for lithium:

- No historical exploration in and new, under-explored frontiers for battery minerals
- Geologically well-endowed and high quality exploration land assets



ION Energy: Mongolia's Emerging Leader in LITHIUM Exploration and Development

INVESTMENT SUMMARY:

- ✓ Commodity with high global demand
- ✓ Superior geographic location in Mongolia and promising early results
- ✓ Fully-funded to continue aggressive growth strategy
- ✓ Strong in-country team and proven track record
- ✓ Low cost production profile
- ✓ Well-positioned to create shareholder value



ION's STRATEGIC ADVANTAGE:

AGGRESSIVE GROWTH STRATEGY

• MAJOR MILESTONES ACHIEVED

January 2019: Licence granted to ION Energy by Mongolian government

August 2020: Completed qualifying transactions and ensured appropriate funding for exploration efforts

August 2020: Commenced trading on the TSX-V: ION

September 2020: Couloir Capital announces research coverage of further exploration efforts

October 2020: Exploration program commenced

Stonegate Capital initiates research coverage

• FIRST MOVER ADVANTAGE

• AGGRESSIVE GROWTH STRATEGY TO CONTINUE INTO 2021

ION Energy Ltd – TSX-V: ION

BASIC COMMON SHARES OUTSTANDING	48,825,671
WARRANTS @ 40C (Exp. Aug 31, 2022 – Accelerated conversion with 60c over 20 day VWAP)	9,063,329
OPTIONS @ 30c (Exp. Aug 31, 2022)	3,978,431
FULLY DILUTED SHARES OUTSTANDING	61,467,431
SHARE PRICE (Oct 5)	C\$0.32
MARKET CAPITALIZATION (m\$)	15.50

ION ENERGY – CAP TABLE

Management & Insider Ownership	36%
Spartan Funds	3%
Alphanorth Asset Management	2%
Maxit Capital	2%

*Insiders and management are escrowed for 24 months/2 years from IPO date

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