

## MONGOLIA'S FIRST LITHIUM BRINE EXPLORER & DEVELOPER

TSX-V: ION FRA: 5YB OTCQB: IONGF

June 2022



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### LEGAL

This presentation includes certain statements that may be deemed "forward looking statements". All statements in this presentation, other than statements of historical facts, that address events or developments that Ion Energy Ltd. (the "Company") expects to occur, are forward looking statements. Forward looking statements are statements that are not historical facts and are generally, but not always, identified by the words "expects", "plans", "anticipates", "believes", "intends", "estimates", "projects", "potential" and similar expressions, or that events or conditions "will", "would", "may", "could" or "should" occur. 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**

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.





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## **OUR LEADERSHIP**



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

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

**MATTHEW** 

WOOD

Chairman

of the Board



Director, Asia

18+ years of extensive commercial and business development experience in Asia, including Mongolia and China. with Noble Resources Ltd and SouthGobi Resources Ltd. BA (Hon) from Wilfrid Laurier University, in Waterloo, Canada.

ΒΑΤΑΑ Director

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



#### JOHN MCVICAR CPA. CA

Brings more than 30 years of international business experience in Management Consulting and Finance. His previous roles include Consulting Partner at a Big 4 firm, CFO of a TSXlisted company and several regional finance leadership roles with large U.S. and Canadian multinationals in Canada, the U.S., South America and Asia. Is a CPA, CA and graduated with an MBA from Duke University and a B. Comm from Queen's University.

CFO



PAUL FORNAZZARI Advisory

**Board Member** 

Served as inaugural Chair of Lithium Americas and secured its initial strategic investments from Mitsubishi and Magna International. Former Director of Neo Lithium Corp. Currently, Paul is a partner with Fasken Martineau DuMoulin LLP, where he is head of Latin America for the Global Mining Group, and is also a member of the TSX-V's National Advisory Committee. Holds an LLM from Osqoode Hall Law School in Securities Law and an LLB from the University of Windsor.





Advisory **Board Member** 

President of Hains Engineering Company Limited and Principal of Hains Technology Associates. 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. Has a particular focus on critical and energy related minerals such as lithium. Has written numerous NI 43-101 technical and due diligence reports on lithium projects across the Globe.



#### **TUMUR-OCHIR**



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.

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

#### **DR. KHASHBAT** DASHTESEREN **Special Advisor**

A PhD lithium hydrogeologist with extensive resource exploration experience in Mongolia. Served with Mongolia's Department of Urban Development and Investment, as Chief Geologist and then as CEO at Geolink LLC. Has spent many years researching laboratory analysis methods for lithium at the Akita University in Japan. A Professional Geologist accredited by the Mongolian Professional Institute of Geology and Mining, and a Professional Engineer accredited by the Mongolian Ministry of Mineral Resources and Energy.



#### **DR. DAVID** DEAK

#### Advisory **Board Member**

An entrepreneur whose expertise spans across lithium mining development, battery supply chain developments, energy storage, renewable energy, and electric vehicles. He is President of Marbex LLC, was formerly the CTO and SVP of Lithium Americas Corp., and is an alum of Tesla Inc., Ambri Inc. (MIT start-up), Lux Research Inc., and Siemens Wind Power. He was educated at the University of Toronto and Oxford University.



## **OUR STORY**

In 2017, our co-founders, Ali Haji and Matthew Wood, identified an opportunity for lithium exploration and development while on a trip to Mongolia for another mining entity.

They recognized that our world was on the brink of a Green Revolution and that the move away from fossil fuels would create unprecedented demand for battery metals, including lithium.

Ali and Matthew started discussions with the Mongolian government about the potential for lithium in-country – and the vision for ION Energy was born!

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## **CORPORATE OVERVIEW**



### **THE WORLD IS GOING ELECTRIC**

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

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## WHY MONGOLIA?

### **Untapped and unlimited potential for lithium**

- GDP & 80-90% of its export
- an investment-friendly environment
- continues to outpace the globe in demand for EVs
- & Zijin/Xanadu strategic partnership

Hunnu Coal AUD\$20M IPO 2010

Hunnu Coal Exit AUD\$500M Cash 2012

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Management successfully operating in Mongolia for over a decade, with a combined 150+ years of mining and exploration experience

Mongolia's mining industry contributes towards 20% of the nation's

Government increasingly prioritizing regulatory change to make it

China is the world leader in manufacturing lithium batteries, and

Evidence of Mongolia's value proposition: Rio Tinto \$5B commitment





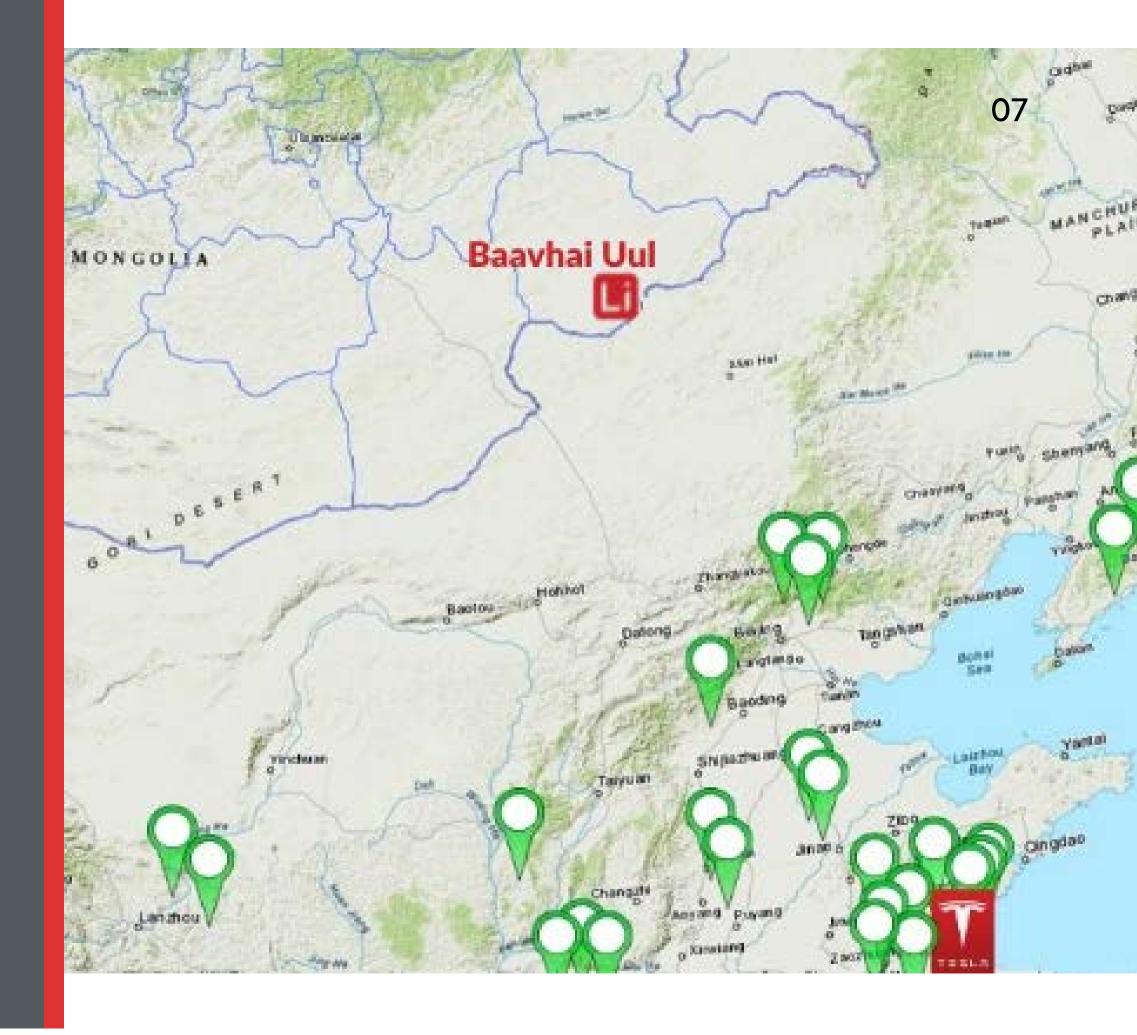


**ION Energy** C\$2.7m IPO 2020

The largest exploration licence in Mongolia:

# ION ENERGY'S BAAVHAI UUL PROJECT

+81,000 hectare (almost 200,000 acre) highly-prospective site



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## The largest exploration licence ever granted in Mongolia: BAAVHAI UUL PROJECT

### **PRE-ACQUISITION 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



### **GEOGRAPHICAL PROFILE**

- formation at license altitude and temperature are the most suitable aquifer for the enrichment of lithium

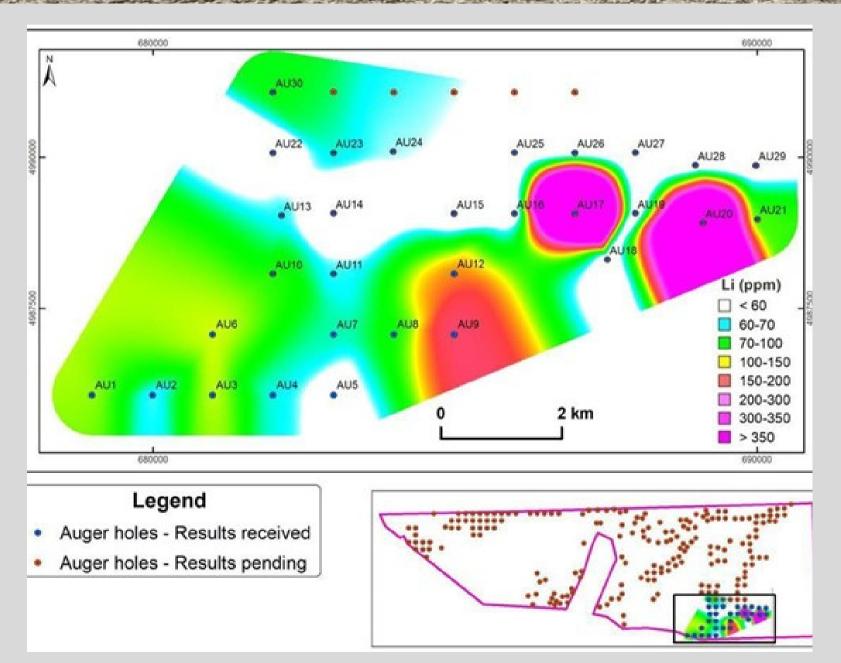
- Low potassium and magnesium ratios: favourable for large crystal • Aquifers 20m below surface: Cretaceous volcanic and sedimentary rocks • Brine vs hard rock sources = lower production costs • Gobi Desert: arid environment with high evaporation rates • 24km from the Chinese border



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# DECEMBER 2021



### **Drilling Results at Baavhai Uul**

- Lithium Brines Encountered;
- Initial drilling results are highly encouraging;
- New Lithium Discovery Highlighted: White Wolf Prospect;
- A total of 222 auger drill holes have been completed for 1304.5 metres;
- Lithium; and
- A new Copper and Nickel discovery.



Drill hole AU-17 returned results up to 1,502ppm



Auger Rig at Baavhai Uul.

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### Brine being pumped to surface at Baavhai Uul.



Solidifying our commitment to the world's Green Revolution, as Mongolia's leading lithium explorer & developer:

## ION ENERGY'S URGAKH NARAN: RISING SUN PROJECT

Over 29,000 hectares (+70,000 acres) of highly prospective lithium terrain

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# URGAKH NARAN LITHIUM BRINE PROJECT

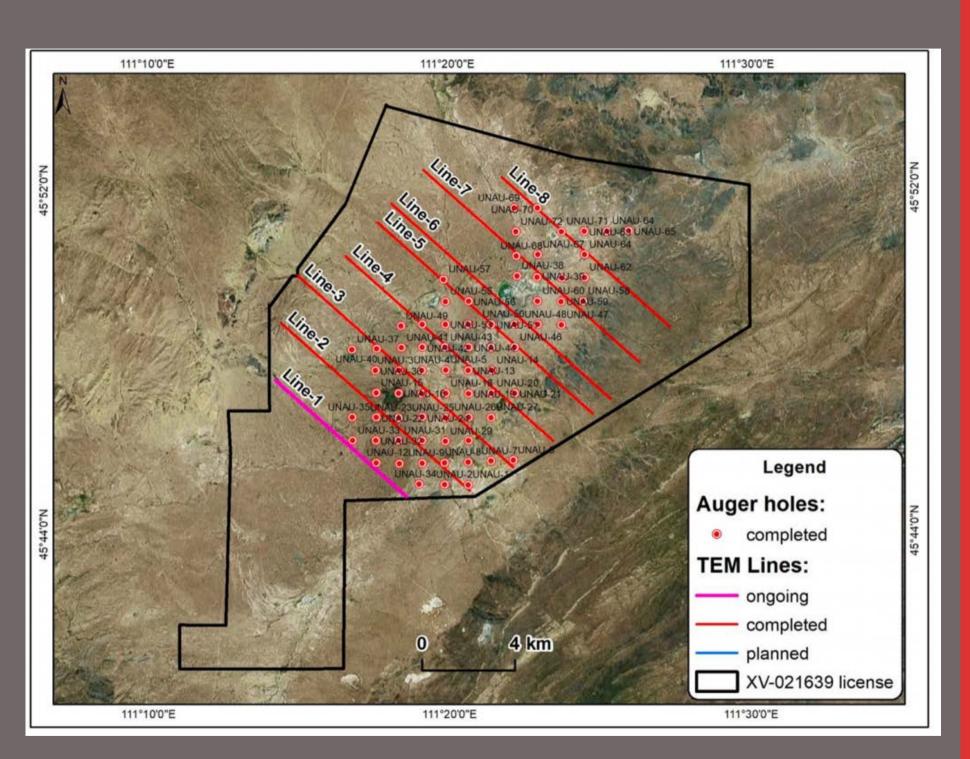
### **SIGNIFICANT BRINE DISCOVERY**

- Situated in the arid and infrastructure rich region of the South Gobi Desert
- The brine sample was collected at surface from a shallow pool and assayed **918 mg/L** Lithium.
- The highest grade lithium brine known to have ever been collected in Mongolia





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Urgakh Naran Exploration Status - May 9, 2022

## MAIDEN EXPLORATION **PROGRAM COMPLETED**



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• 7 lines of TEM with 72 auger holes for a total of 820.5 metres have been completed.

• This basin is centred on an area that is 6 kilometres wide and more than 20 km long





### WHY ION ENERGY'S **MONGOLIAN SITES ARE A GEOGRAPHIC ADVANTAGE**

- in the lithium sector

• 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

### CHINA CONTINUES TO BE THE WORLD'S LARGEST ELECTRIC-VECHICLE MARKET

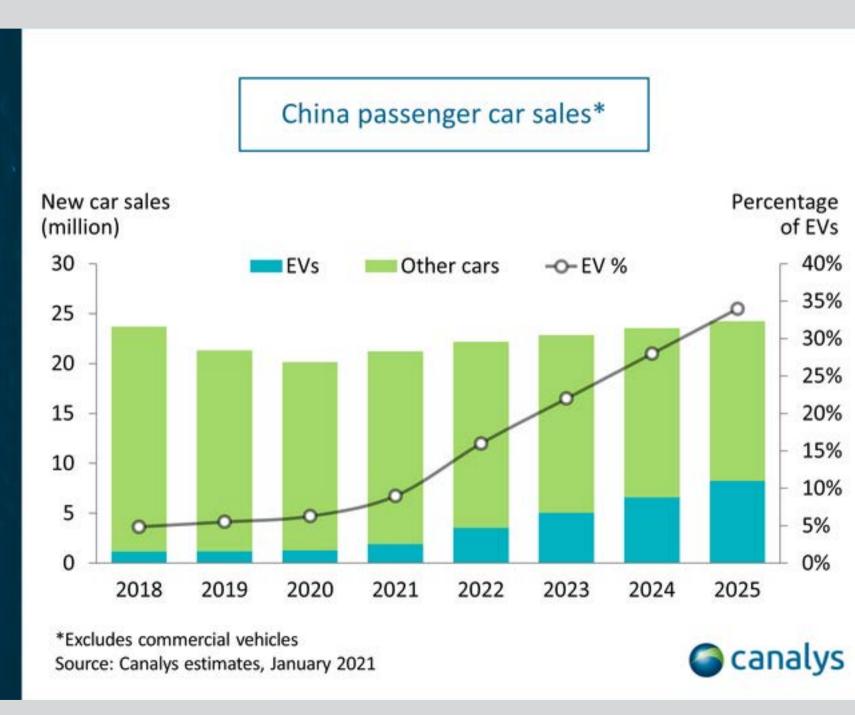
China is the **world leader** in manufacturing lithium batteries, and continues to outpace the globe in demand for EVs

Korea, Taiwan and Japan's large tech industries will continue to **fuel demand** for lithium batteries.

 $\checkmark$ 

China dominates lithium production: "77% of global lithium ion production capacity will be located in China by the end of 2021. Based on current plans in the pipeline, China will still hold 67% of global lithium ion cell capacity in 2030. (Benchmark Mineral Intelligence – 2021)

China is set for a sustained period of strong EV growth. Canalys forecasts 51% EV growth in China in 2021. EVs will represent one third of car sales in 2025.





## **LITHIUM & COPPER:** A Battery Metals Strategic Alliance

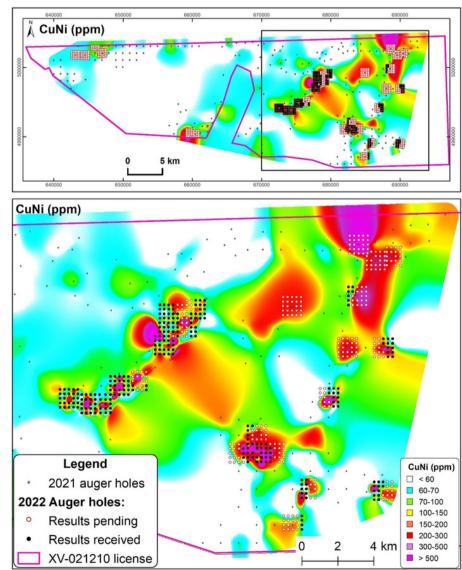
## FEBRUARY 2022:

### ION Energy Enters into a JV Agreement with Aranjin Resources

- Aranjin is an emerging copper explorer in Mongolia;
- Highly-encouraging results at Aranjin's Sharga asset;
- Strong indications at our flagship Baavhai Uul show significant Copper and Nickel anomalies;
- ION's exploration acreage has been increased by 30kHa across mineral-rich regions of Mongolia;
- Alliance leverages the teams' technical expertise, and our CEO & Board's strong track record in Mongolia.



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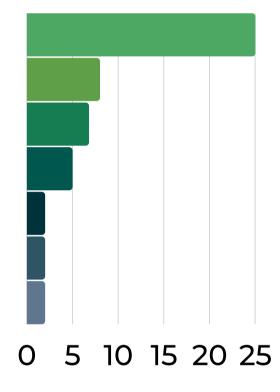
#### Auger program at Baavhai Uul Copper Nickel Discovery

### ION ENERGY LTD OTCQB: IONGF, TSXV: ION

BASIC COMMON SHARES OUTSTANDING	60,468, 534	
WARRANTS @40C (EXP. AUG 31, 2022)	9,063,329	Manage
WARRANTS @70C (EXP. APR 13, 2024)	11,500,000	
OPTIONS @32C (EXP. OCT 21, 2025)	3,000,000	Alph
OPTIONS @55C (EXP. FEB 3, 2023)	685,000	
	685,000 80,589,000	
(EXP. FEB 3, 2023) FULLY DILUTED SHARES		
(EXP. FEB 3, 2023) FULLY DILUTED SHARES OUTSTANDING	80,589,000 USD \$0.28	

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## OWNERSHIP

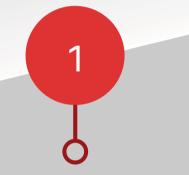


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gement & Inside Ownership\* Mongolian Investors Family Offices Delbrook Capital Spartan Funds hanorth Asset Management Maxit Capital

\*Insiders and management are escrowed for 24months/2years (Aug. 31, 2022)

## STRATEGIC GROWTH





Our co-founders, Ali Haji and Matthew Wood, identified an opportunity for lithium exploration in Mongolia



2019

The Baavhai Uul Lithium Brine Project: acquisition of 80,000+ hectare licence 2019

3

Spirit Banner and ION Energy Announce Signing of Definitive Agreement 2020

4

Commenced trading on the TSX-V: ION

### 2020

5

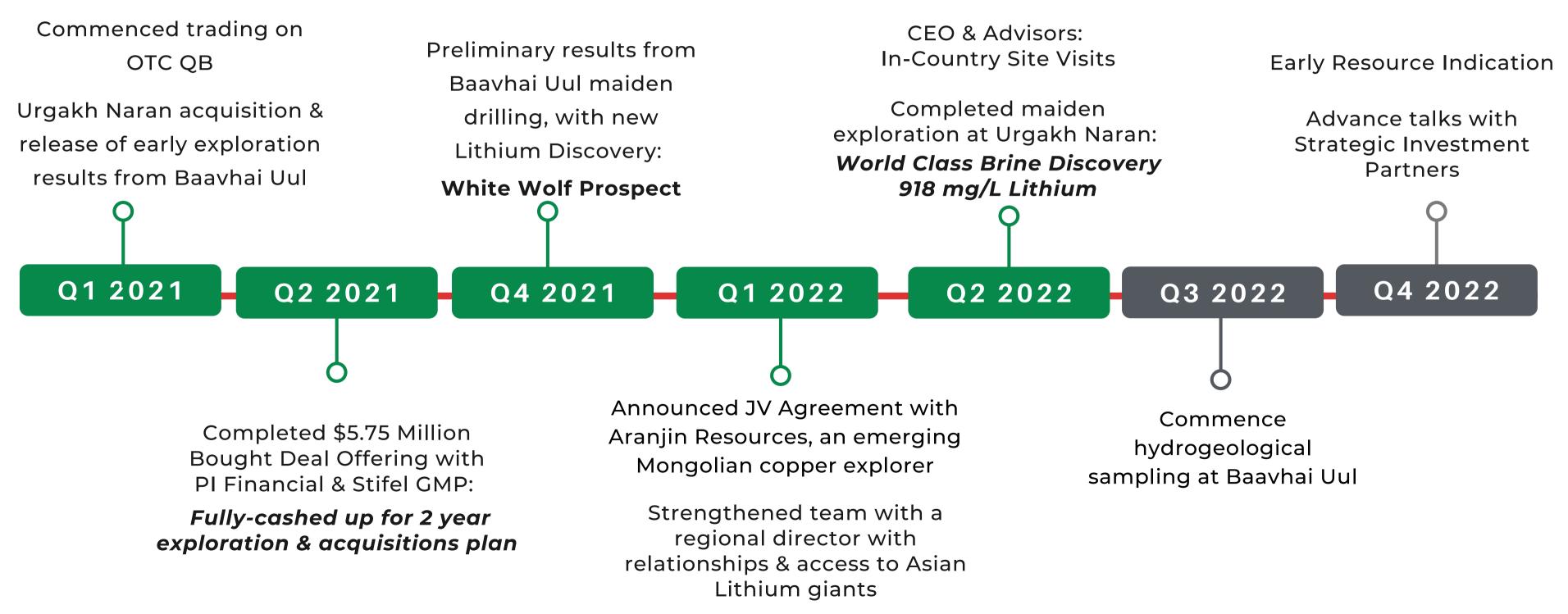
ION Energy commenced geophysics (CSAMT and reflection seismic) study on the Baavhai Uul Lithium Brine project.

### 2021 The Urgakh Naran Lithium Brine Project: acquisition of ~20,000 hectare licence

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## OUR 2021/22 CATALYSTS DELIVERING ON AGGRESSIVE GROWTH





# OUR STRATEGIC ADVANTAGE

## Price target \$ 1.12 for TSX-V: ION - May 2022

**Couloir Capital** 

Price target \$ 1.04 for TSX-V: ION - December 2021 FRC

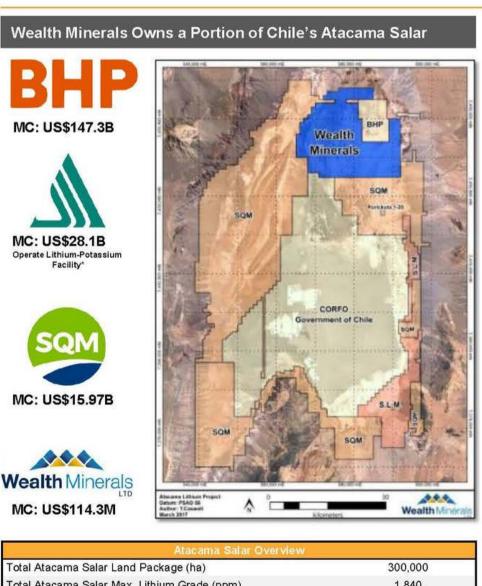
Based on comparative analysis of junior lithium companies, a mid-second quartile price-to-book (P/B) ratio of 6.2 indicates a share price target for OTCQB: IONGF, at USD \$0.48 per share.

Zacks SCR

Comparable companies and the implied valuations offer a wide range from C\$286 EV/Hectare to C\$20,810 EV/ Hectare with a median of C\$3,715. This compares to ION Energy at C\$174 EV/Hectare.

### **Stonegate Capital**

### Positioning Relative to the Third Largest Salt Flat in the World

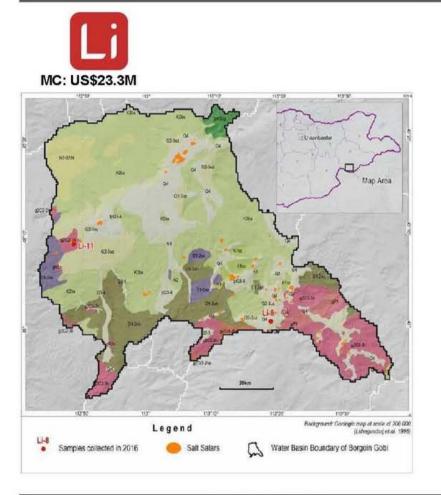


Total Atacama Salar Land Package (ha) Total Atacama Salar Max. Lithium Grade (ppm) Wealth Minerals Land Package (ha) Wealth Minerals Max. Lithium Grade in Chile (ppm) Wealth Minerals Exploration to Date Proximity to Largest Market (China)

300,000
1,840
46,000
1,250
Limited to Surveying
~15,000+ Nautical Miles

#### Ion Energy Owns the Entire Baavhai Uul Basin in Mongolia

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Ion Energy Portfolio Overview					
Baavhai Uul Land Package (ha)	81,759				
Additional Land Owned by Ion Energy (ha)	29,000				
Total Land Package Owned by Ion Energy (ha)	100,000+				
2016 Sampling Max. Lithium Grade (ppm)	811 <sup>1</sup>				
Ion Energy Exploration to Date	Surveying, Sampling, & 800+ m of Drilling				
Proximity to Largest Market (China)	30 km				

# OUR STRATEGIC ADVANTAGE

### (all figures in C\$M, expect per share information)

Name	Ticker	Price (1)	S/O	Mrkt Cap	EV	Hectares	EV/Hectare
Standard Lithium Ltd.	TSXV:SLI	\$ 7.22	162.3	\$1,167.6	\$ 1,031.0	75,343	\$13,684.3
Critical Elements Lithium Corporation	TSXV:CRE	\$ 1.37	205.2	\$ 282.5	\$ 246.6	24,655	\$10,000.4
Lake Resources NL	ASX:LKE	\$ 1.25	1,103.7	\$1,603.5	\$ 1,539.9	74,000	\$20,809.8
Lithium Power International Limited	ASX:LPI	\$ 0.51	348.8	\$ 179.6	\$ 165.8	51,263	\$ 3,235.2
Pure Energy Minerals Limited	TSXV:PE	\$ 1.22	32.9	\$ 40.1	\$ 39.6	9,454	\$ 4,194.0
Lithium Chile Inc.	TSXV:LITH	\$ 0.79	145.0	\$ 131.7	\$ 124.7	71,900	\$ 1,735.0
Wealth Minerals Ltd.	TSXV:WML	\$ 0.25	265.4	\$ 65.0	\$ 61.2	52,620	\$ 1,163.0
Bearing Lithium Corp.	TSXV:BRZ	\$ 0.25	109.1	\$ 27.3	\$ 26.5	4,463	\$ 5,933.5
HeliosX Lithium & Technologies Corp.	TSXV:HX	\$ 0.81	N/A	\$ 29.3	\$ 27.7	96,786	\$ 286.0
International Lithium Corp.	TSXV:ILC	\$ 0.10	248.3	\$ 24.8	\$ 14.5	31,426	\$ 461.9
					Average		\$ 6,150.3
					Median		\$ 3,714.6
Ion Energy Ltd.	TSXV:ION	\$ 0.36	60.3	\$ 21.5	\$ 17.5	100,759	\$ 173.6

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## INVESTMENT SUMMARY

When you invest in ION Energy, you can count on our team with over 150 years of combined incountry, mining and lithiumspecific experience.

Since listing on the TSX Venture Exchange in 2020, we have rapidly forged ahead in following through on our strategic objectives, including a strategic exploration alliance with an emerging copper explorer and a \$5.75 million public offering to ensure that we have a fully-funded 2-year exploration & growth strategy.

### **FULLY FUNDED**

We're fully-funded to continue our aggressive growth strategy

### **STRATEGIC LOCATIONS**

early results

### WE'RE EXPERIENCED

Strong in-country team and proven track record

### **RISE IN DEMAND**

Lithium is a commodity with high global demand

### MARGINS

Low cost production profile

### INVESTMENT

Well-positioned to create shareholder value

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Superior geographic locations in Mongolia and promising

## **CONTACT US**

Contact our Chief Executive Officer, Ali Haji, to discuss your investment.



Ali@IONEnergy.ca



Li



1-(647)-951-6508

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