



# **PIONEERING** THE WORLD'S HIGHEST GRADE **LITHIUM**

**LITHIUM CHILE HAS OWNERSHIP IN THE LARGEST HIGH-GRADE LITHIUM RESERVES IN THE WORLD COMPRISING OF 79,700 HECTARES IN CHILE AND 23,300 HECTARES IN ARGENTINA.**



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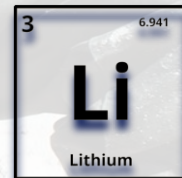
## FORWARD-LOOKING STATEMENTS

Statements included in this presentation that do not relate to present or historical conditions are "forward-looking statements". Forward-looking statements are projections in respect of future events or the future financial performance of Lithium Chile. In some cases, you can identify forward-looking statements by terminology such as "may", "should", "intend", "expect", "plan", "anticipate", "believe", "estimate", "predict", "potential", or "continue", or the negative of these terms or other comparable terminology.

In particular, this presentation contains forward-looking statements relating to Lithium Chile's business and its future opportunities and business strategies. Expenses required to operate Lithium Chile's business, business prospects, and strategies, The forward-looking statements contained in this presentation are only predictions and involve known and unknown risks, uncertainties and other factors, which may cause the Company's, or its industry's, actual results, levels of activity or performance to be materially different from any future results, levels of activity or performance expressed or implied by the forward-looking statements. These risks and uncertainties relate to, among other things:

1. General economic conditions and market uncertainty, including business competition;
2. Changes in laws and regulations;
3. General political and social uncertainties;
4. The viability and marketability of Lithium Chile's mining operations.
5. The Company's failure to successfully implement its marketing plan;
6. The development of superior technology by the Company's competitors;
7. Risks and uncertainties associated with the Company's ability to raise additional capital;
8. Risks associated with the failure to retain and attract key management and personnel.
9. Other factors beyond the Company's control; and
10. Other risk factors detailed in Lithium Chile's reports filed on SEDAR and available at [www.sedar.com](http://www.sedar.com).

Readers are cautioned that the foregoing factors are not exhaustive. You are urged to consider these factors carefully in evaluating the forward-looking statements contained herein and are cautioned not to place undue reliance on such forward-looking statements, which are qualified in their entirety by these cautionary statements and the risk factors set forth in Lithium Chile's quarterly and annual reports filed on SEDAR and available at [www.sedar.com](http://www.sedar.com).



# COMPANY OVERVIEW



-  Pioneering the world's highest grade lithium - Lithium Triangle
-  **12** properties; **11** salars and **1** laguna complex – **79,700** hectares in Chile
-  **4** gold silver copper properties in Chile - **20,429** hectares
-  Joint venture on **23,300** hectares in the 'white gold rush' Salta province in Argentina
-  Strategic Investment in LITH by Chengxin Lithium, **Chinas second largest lithium processor**

TSX -V : LITH | OTCBB : LTMCF





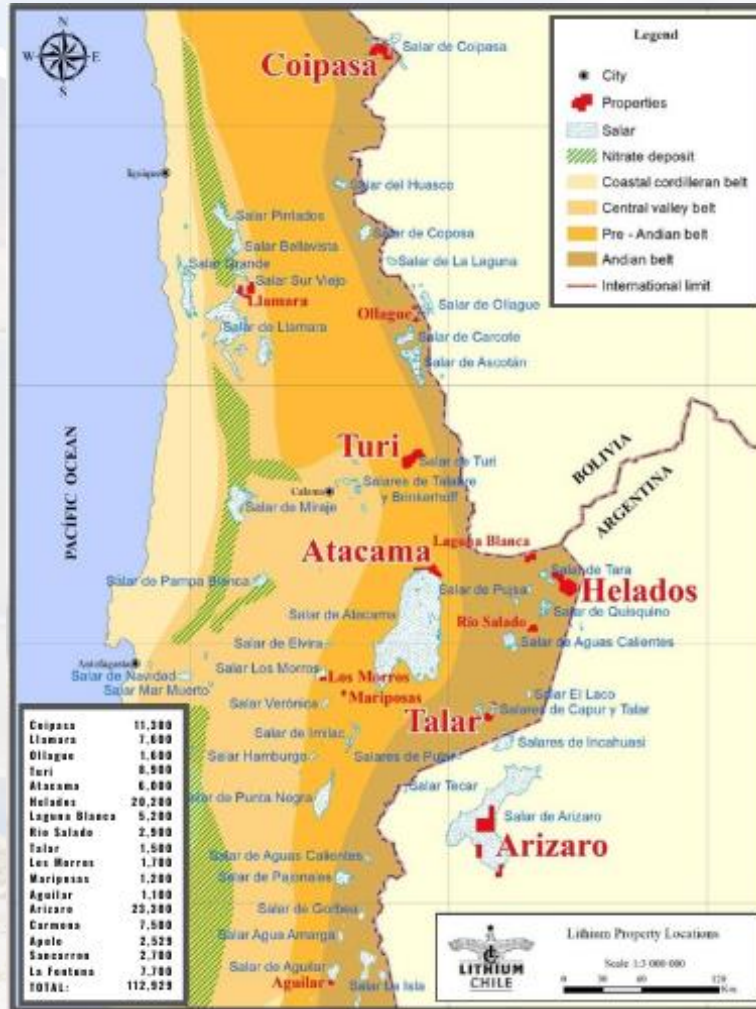
# STRATEGIC INVESTOR



-  **Chengxin Lithium Group Co., Ltd. (“Chengxin”),** invested over **\$34 million dollars** to garner a **19.86%** stake in Lithium Chile.
-  More than 80% of Chengxin’s investment was at **\$0.95/share**
-  A publicly listed company in China, Chengxin has a market capitalization of over **\$9 billion Cdn.**
-  Chengxin commands over 70kt metric tonnes lithium product capacity, and **ranks No. 2 in China,** with another 60kt capacity under long-term planning in Indonesia.
-  **BYD** recently invested \$500 million Cdn for a 5% stake in Chengxin
-  Chengxin has provided technical personnel to aid in the exploration and development of the Company's Argentina properties.

## PROPERTY LOCATIONS

PROJECT NAME	HECTARES
Aguilar	1,100
Aguas Caliente	2,500
Atacama	6,000
Coipasa	11,300
Helados	20,200
Laguna Blanca	14,800
Llamara	7,600
Los Morros	1,700
Mariposas	1,200
Rio Salado	2,900
Talar	1,500
Turi	8,900
Arizaro	23,300
Apolo	2,529
Carmona	7,500
La Fontuna	7,700
Sancarron	2,700
TOTALS	123,429



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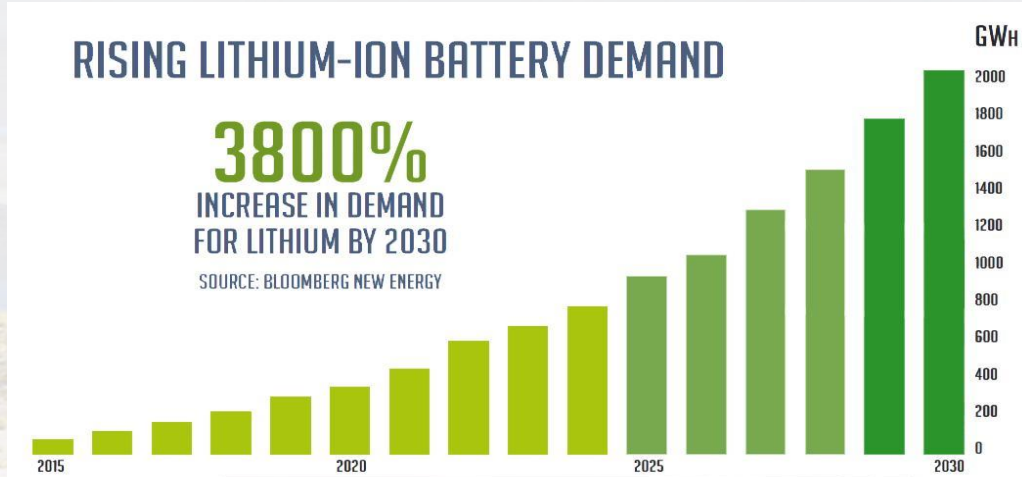


# THE AGE OF GREEN ENERGY



## THE GLOBAL PUSH TOWARDS ELECTRIFICATION OF VEHICLES

Increasing demand with low supply: According to Bloomberg new energy finance, demand for lithium is expected to rise by 2030, a truly unprecedented surge. The rise of lithium will come hand in hand with the surge of renewables, ushering in the next generation of energy.



## LITHIUM - THE UNIQUE BACKBONE OF THE 21st CENTURY GREEN TECH BOOM

**CHINA**  
Target **5%**  
EV sales by 2025

**CANADA**  
Targets **30%**  
EV sales by 2030  
**QUEBEC:** Target  
**100%**  
zero-emissions  
By 2050

**INDIA**  
Proposal to end ICE  
sales by 2030

**MEXICO**  
Target  
**30%**  
EV sales by  
2030

**BRAZIL**  
Target **30%**  
EV sales by 2030

**USA**  
**10** States have  
set  
targets for  
**100%**  
zero-emissions  
vehicles by 2051

**NORWAY,  
NETHERLANDS  
SWEDEN &  
GERMANY**  
Proposal to end  
ICE sales by  
2035.  
Germany by  
2030  
Sweden aiming  
for **30%** EV by  
2030.  
Considerations  
for EU wide by  
2030.

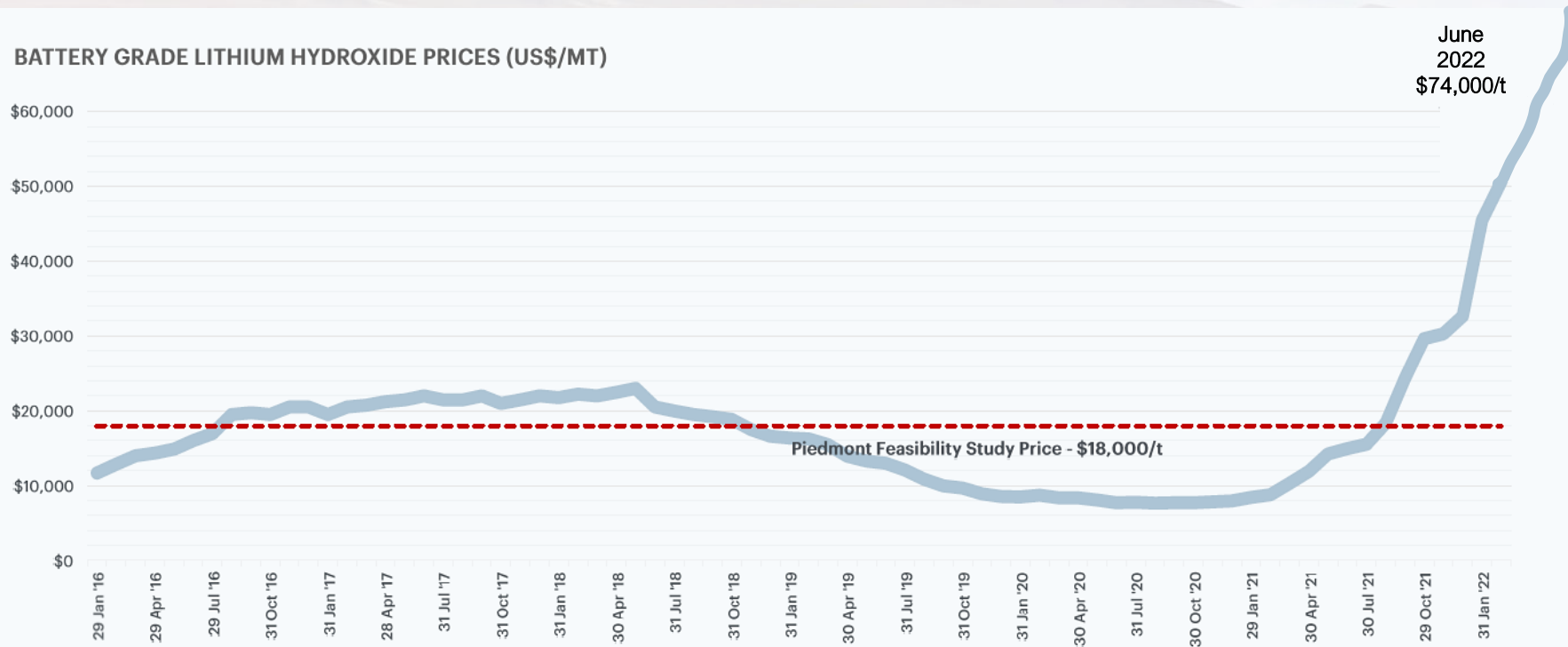
**UK**  
Committed to reduce carbon  
emissions by **78%**  
by 2038 and net zero By  
2050

**JAPAN  
SOUTH KOREA**  
Targets **30%**  
EV sales by 2030

# LITHIUM PRICING – RECORD HIGHS



BATTERY GRADE LITHIUM HYDROXIDE PRICES (US\$/MT)

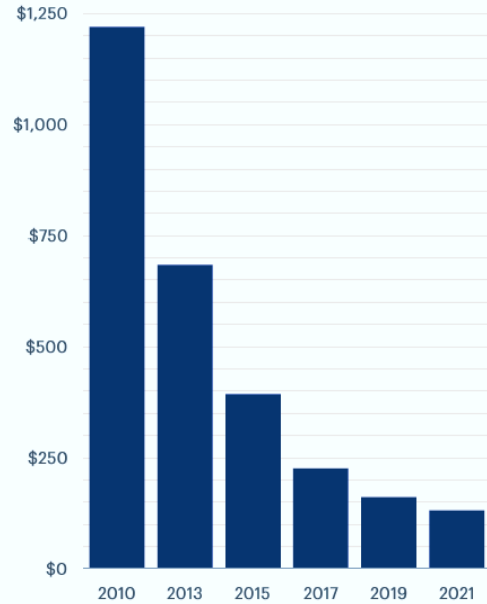




# LITHIUM MARKET TRENDS

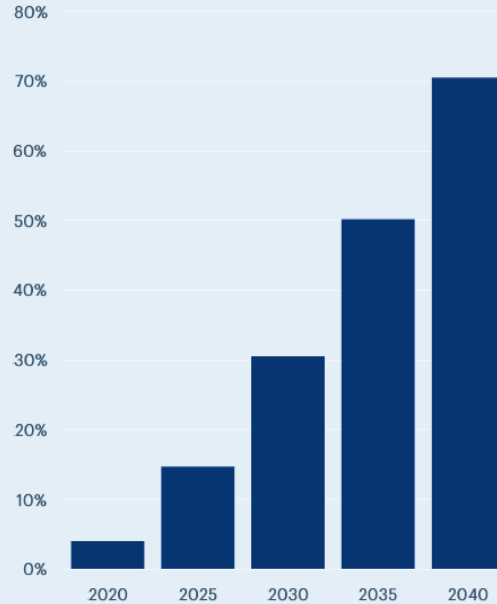


## LI-ION BATTERY COSTS DOWN 85% SINCE 2010 (PACK PRICE – REAL 2021 \$/KWH)



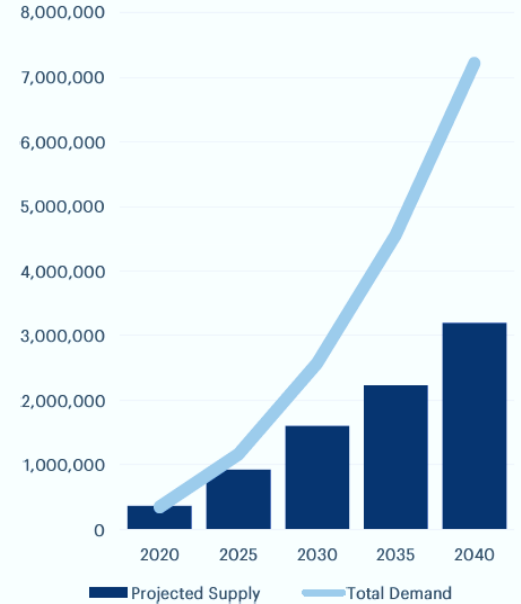
Source: BloombergNEF, 11/30/21

## EV PENETRATION



Source: Benchmark Mineral Intelligence – Lithium Forecast, Q3 2021

## LITHIUM SUPPLY SHORTFALLS EXPECTED



Source: Benchmark Mineral Intelligence – Lithium Forecast, Q3 2021

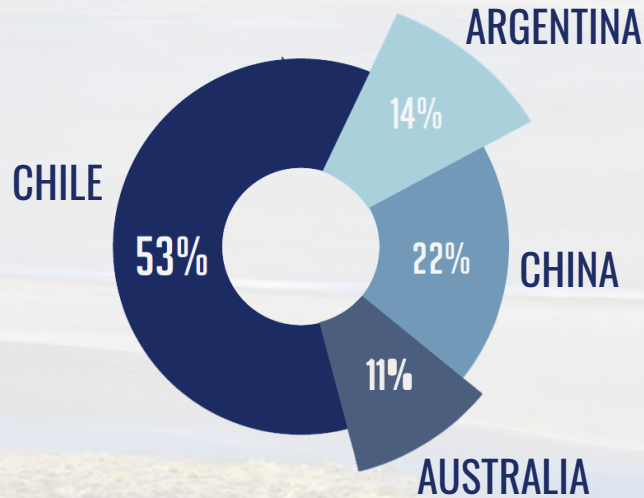


# LITHIUM COMPANIES – CONSOLIDATION AND RACE FOR ASSETS

*Lithium M&A Activity has seen an astonishing acceleration in 2021 /2022...*

-  April 2021: lithium miners Galaxy Resources and Orocobre announced a US\$3.1bn merger
-  May 2021: Posco's US\$240m investment in a 30% stake of First Quantum Minerals (nickel mine) was another step into the battery material sector
-  August 2021: Bacanora Lithium agreed to cash offer of £284.8m from Ganfeng Lithium
-  September 2021: Sibanya Stillwater buy half of Ioneer's lithium project in US\$490m deal
-  In a bidding war, Lithium America acquired Millennial Lithium for \$4.70/share
-  Ongoing: Reuters commentary on the 'white gold rush' for EV metals in Salta Province, Argentina. Salta Province officials have signed an agreement to create rules to "strengthen infrastructure, legal security and fiscal stability" to make themselves more attractive to outside investment
-  Neo Lithium Corp. completes acquisition with Chinese state-owned firm, Zijin Mining Group LTD \$6.50/share
-  **Chengxin Lithium Group invested over \$34M into Lithium Chile Inc.**

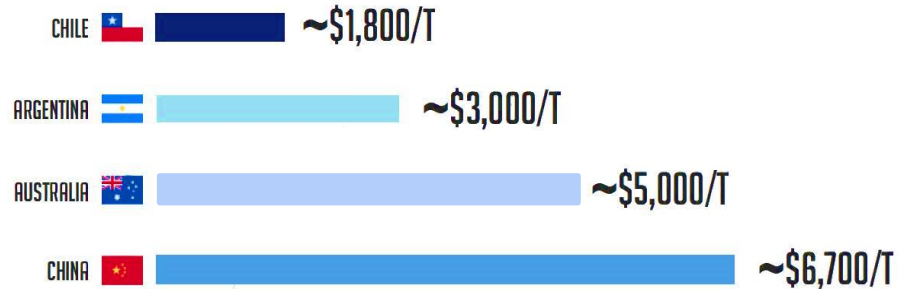
# GLOBAL LITHIUM RESERVES AND PRODUCTION COSTS



Chile is the lowest cost producer, and Argentina the second lowest cost producer, of lithium carbonate in the world. Both countries have well-developed infrastructures, mining experience and are actively pro-mining.

## LITHIUM PRODUCTION COSTS

COMPARISON







Based on 2018 figures. Total global production est. 85,000MT

SOURCE: US GEOLOGICAL SURVEY. Does not include US data, which is withheld by the US






# LITHIUM SUPPLY – HARD ROCK VS. BRINE

## Lithium Brine:

-  Salt flats, arid, barren of vegetation.
-  Advantage: Lower Capital Costs, higher quality lithium carbonate.
-  Extraction: Brine is pumped to surface into evaporation ponds – however, DLE technology is quickly changing the extraction process, promising to make it faster, less harmful, with higher grades.
-  Lithium carbonate from brines are preferred by manufacturers.



## Lithium Hard Rock:

-  Li granitic pegmatites.
-  Advantage: Faster Processing.
-  Disadvantage: Higher transportation cost due to waste
-  Extraction: Open pit or underground mine.
-  The lithium hosted in spodumene can be processed into either lithium hydroxide or lithium carbonate.





# VIABLE COMMERCIAL EXTRACTION OF LITHIUM EXTRACTION IS KEY



Lithium is not a scarce resource. Extracting it at commercially viable rates is the key issue.



Currently the only commercially viable lithium extraction methods used in 2021 are: 'hard rock mining' extraction and 'brine evaporation' extraction.



Chile is actively extracting from lithium brines via evaporation pools in a commercially tried and tested viable method. Used by SQM and Albemarle.



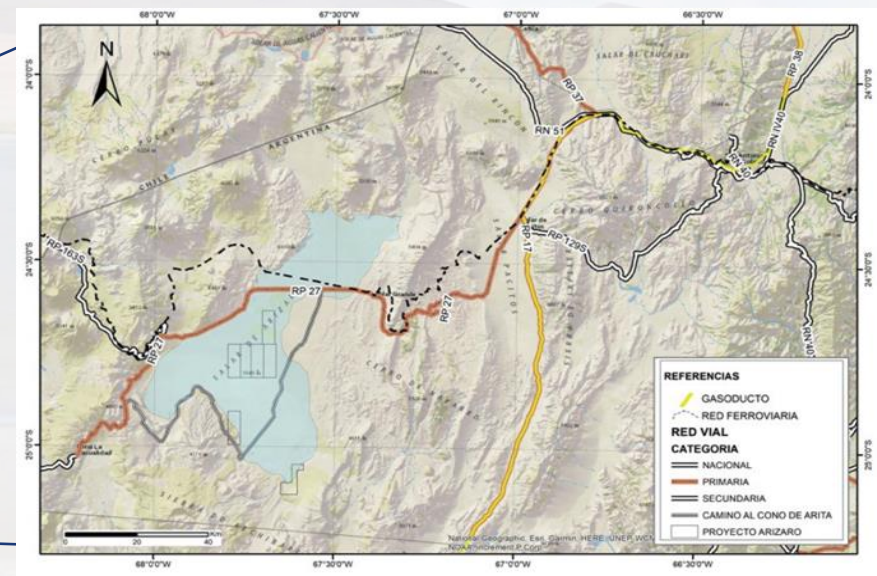
Direct Lithium Extraction ("DLE") innovations could be the game changer.



Lithium Chile has signed agreements with the leading innovators – Summit Nanotech and Bill Gates backed Lilac Solutions.











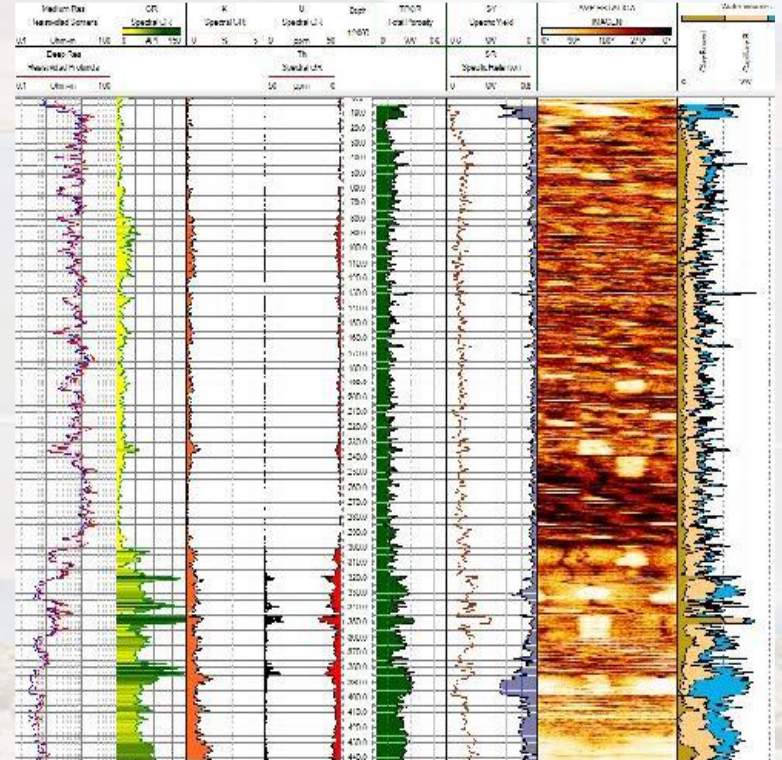
## SALTA PROVINCE – ARGENTINA

# ARGENTINA -ARIZARO PROJECT



-  The Project is located in the Arizaro Salar located in the Salta province of northwest Argentina - about 170 kilometers (km) from Salta. Salta is considered the best investment district in the Lithium Triangle according to the Fraser Institute.
-  Lithium Chile controls 23,300 ha of legal concessions located mainly in the central part of the salar which is strategically located close to the best water supply area.
-  Salar de Arizaro is a mature salar, and the largest salars in the Argentinean altiplano. A thick halite core exists in the basin. Basin margins are interpreted to be fault controlled.
-  Arizaro is the largest salar in Argentina and one of the most important in all of Puna Region - becoming an important new mining area because of the success of recent lithium projects.





# ARIZARO PROJECT – ARGENTO 1



Drilling activities for exploration well Argento-1 started on September 5, 2021, reaching a depth of **470 meters** below land surface (bls) on November 28, 2021.



Pump testing included step-discharge and constant discharge tests which achieved an average pumping rate of **21.94 litres per second** and transmissivity of 100 m<sup>2</sup>/d



Hydra-sleeve samples yielded values up to 446 mg/l of Li. Using the inflatable packer system, lithium samples returned values up to **555 mg/l**s.



Dilutions caused by mesh casing during pump testing resulted in an average of 298 mg/l of Li used in the resources calculation.





# ARIZARO PROJECT – ARGENTO 1



On its one well, an initial resource estimate totaled **1,420,000 tonnes** of lithium carbonate equivalent consisting of 895,000 tonnes of Indicated Resources together with 535,000 tonnes of Inferred lithium carbonate equivalent.



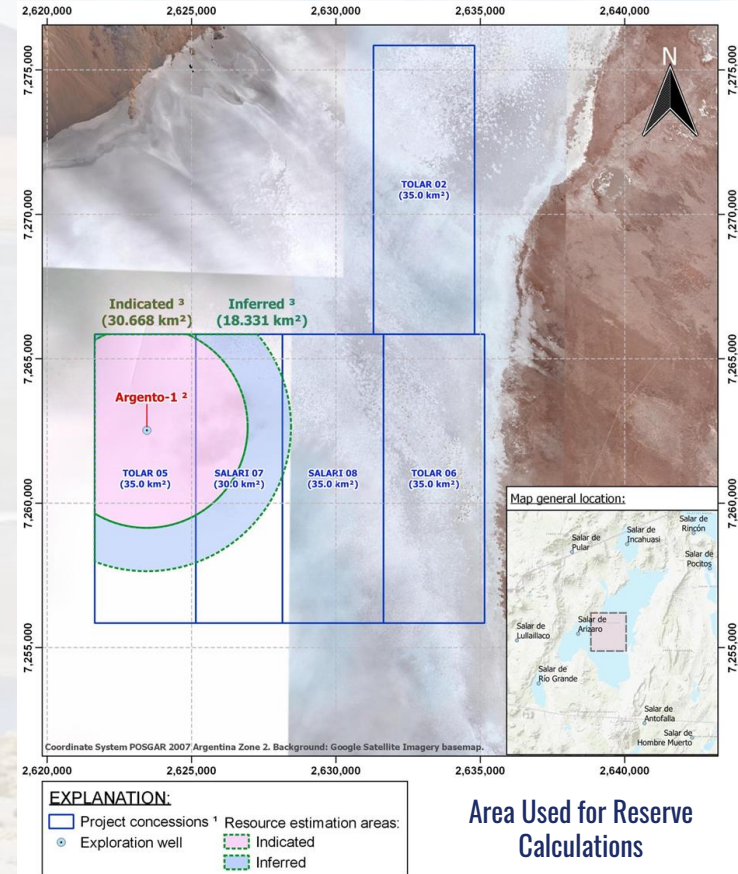
The initial resource estimate is from only **29%** of the main concession block leaving abundant area for resource expansion.



Total area used for the resource calculations is 48.999 km<sup>2</sup>.



The inner circle has a radius of 3.5 km, and the outer circle has a radius of 5 km, with the area between the two circles being 18.331 km<sup>2</sup>.



# ARIZARO PROJECT – NEXT STEPS



Lithium Chile has commenced a Phase two program that includes, 3 to 4, (500-meter) exploration holes and **3 production wells**.



Program includes: Geophysical prospecting (SEV), Seismic surveying, metallurgic studies and installation of 2 meteorological stations.



The program is budgeted at \$4,000,000 US.



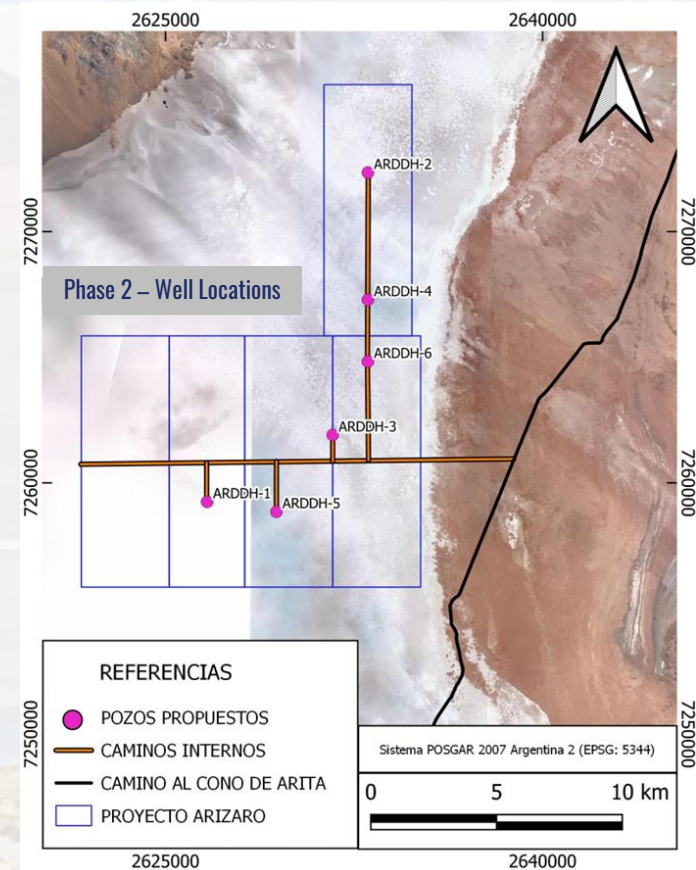
Heightened activity in the area has created a scarcity in drilling rigs, however through the company's relationship with Andina Drilling, 2 rigs has been secured for the entire project.








Phase two is estimated to take approximately 6-9 months.



Steel casing will be installed down the wellbore and the upper halite will be cemented off to prevent dilution by lithium-poor brine from the upper zones.



## ARIZARO PROJECT – CONCLUSION

-  Phase two, recommended in the 43-101, is proceeding with the goal of establishing a measured resource and increasing the lithium carbonate equivalent grade.
-  The drilling program will be managed by, José Gustavo de Castro Alem, ‘Mr. Lithium Argentina’, who specializes in Lithium exploration, engineering, mining, and resource management and operations.
-  Lithium Chile is conducting operations through its Argentinian subsidiary Argentum Lithium.
-  Argentum Lithium has fostered a good relationship with local communities within the region through its “Shared Value Philosophy”.
-  The Company has strong relationships with Tolar Grande, the closest town which is the last inhabited point in the province on the frontier with Chile.



Arizaro Remote Camp for Phase 2 Drilling Program



# KEY CHILEAN PROPERTIES



## COIPASA

11,300 hectare property on the Andean Salar Belt on the border of Northern Chile and Bolivia. Lithium Chile current controls 70% of this project. Initial testing results showing up to 1,410mg/l. China's Xinjiang Tbea Group invested US\$1.3bn for 49% of the Bolivian side of this salar.

## LAGUNA BLANCA

14,800 hectare property showing initial high testing results in lithium (up to 1,230mg/l), potassium (up to 15,200mg/l) and a 4km+ sq area enriched in Cesium (up to 690ppm). During August 2021, Minera Kairos staff collected several bulk samples of cesium rich sediments for metallurgical testing to evaluate extraction technique and recovery parameters.

## LOS MORROS

1,700 hectare property covers about 30% of the Los Morros Salar. Recent brine sampling shows lithium grades of up to 700mg/l with a low magnesium impurity.

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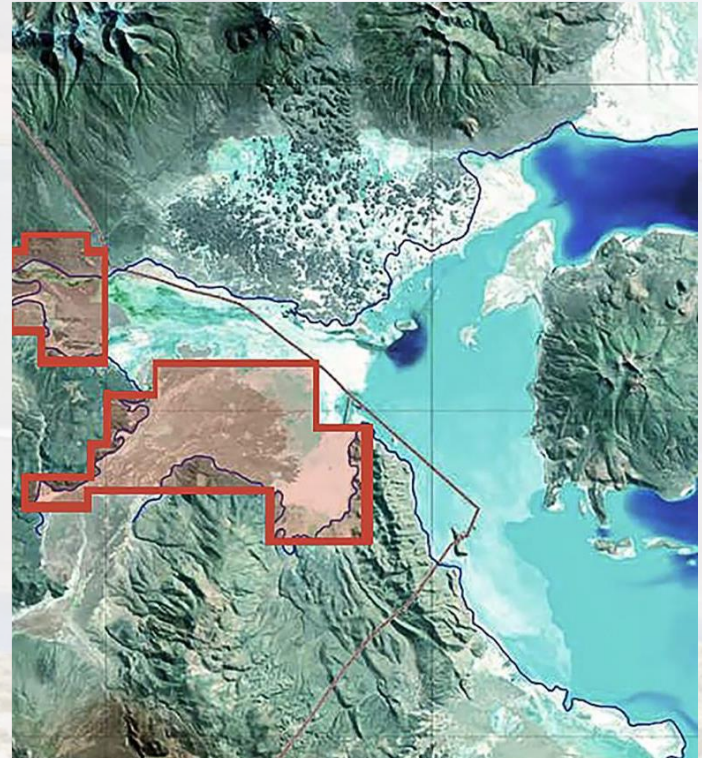




# CHILE - COIPASA




- ✎ Near-surface brine samples assaying up to 1410 mg/l lithium.
- ✎ Grades comparable to production grades at the SQM and Albemarle's Salar de Atacama production plants.
- ✎ Excellent chemistry; Li:K ratio 0.06, Mg:Li ratio 3.9
- ✎ TEM surveys detected a large high conductivity anomaly within 150m of surface.
- ✎ The anomaly covers at least 58 square kilometers in area, is 200 - 300m thick and open at depth.
- ✎ Gravity surveys indicate that the salar basin in area of TEM anomaly is 500 - 1000m deep.



## NEXT STEPS – FUTURE FUNDING REQUIREMENTS

### Argentina

 Phase Two Drilling Program: 3-4 Exploration wells & 3 Production wells

 Fresh Water Well and Future Processing Site - Fresh water availability is important for brine processing. Lithium Chile has a concession (ChasChas Sur) on the edge of the basin in the southeast part of the salar adjacent to a known area of fresh water.

### Chile

 Coipasa – as soon as compensation award agreed – drill testing.

 Accelerate drill testing on Laguna Blanca and Los Morros.

 3Q 2022 follow - on feasibility testing



# FINANCIALS AND SHARE STRUCTURE



SHARE PRICE C\$0.74 - 1.13

MARKET CAP C\$145M - \$168M

CASH BALANCE C\$43M

## SHARE STRUCTURE

ISSUED & OUTSTANDING	196,121,847M
WARRANTS	11,752,313M
OPTIONS	6,875,000M
FULLY DILUTED	214,749,160M
INSIDERS/KEY STAKEHOLDERS OWNERSHIP	> 43%

\*May 2022

TSX - V : LITH | OTCBB : LTMCF





# MANAGEMENT TEAM



**STEVE COCHRANE**  
**PRESIDENT & CEO**

Mr. Cochrane has 36 years of investment industry experience during which he has been instrumental in raising in excess of \$500m for “small cap” public companies. Mr. Cochrane’s extensive capital market experience will be an invaluable asset as Lithium Chile continues with the roll-out and expansion of its lithium strategy.

**CAPITAL MARKETS**



**AL KROONTJE**  
**EXECUTIVE CHAIRMAN**

Mr. Al J. Kroontje, B.Sc. (Eng.), serves as an Executive Chairman of Lithium Chile Corporation. Mr. Kroontje has been very involved in mineral exploration activities for gold, copper, silver and lithium in Chile since 2009. Mr. Kroontje has been involved in numerous corporate start-ups and restructurings which involve both publicly listed and private enterprises.

**CAPITAL MARKETS/OPERATIONS**



**TERRY WALKER**  
**VP EXPLORATION & CHIEF  
GEOLOGIST**

Terry Walker, M.Sc., P.Geo. is a highly experienced exploration geologist and technical team leader.

He has spent over 27 years in Chile’s mining industry, with a particular focus on lithium, and is well connected throughout the sector. Terry is the co-founder of GeoServicios Piedra Dorada – an exploration and development services company.

**LITHIUM EXPLORATION &  
DEVELOPMENT**



**JOSÉ GUSTAVO DE CASTRO ALEM**  
**MANAGER OF LITHIUM  
OPERATIONS**

Chemical Engineer with deep experience in international mining operations and commercial management. Specializing in process engineering, mining, and resources management operations. Jose has held key operations & executive positions in mining orgs. in Argentina & Chile.

**LITHIUM EXPLORATION &  
DEVELOPMENT**



**MICHELLE DECECCO**  
**VP, CORPORATE  
DEVELOPMENT**

Ms. DeCecco brings deep capital markets, investor relations, and corporate development experience to Lithium Chile, with over 20 years of experience in the public sector. Expertise in developing and executing overall corporate strategy including acquisitions, JV’s, strategic partnerships, with a strong focus on shareholder communications.

**CAPITAL MARKETS**





Steve Cochrane, President & CEO

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