



# Powering the 21st Century with Lithium Energy **Investor Presentation**

**MAY 2018** 





#### **Disclaimer**

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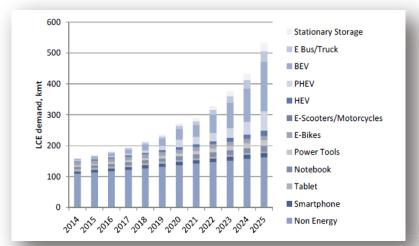
#### **Growing Importance of Lithium**

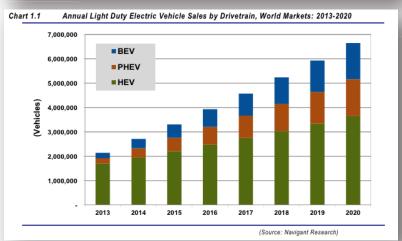
#### Impact of Lithium Battery Technology

- Government declarations in Paris, Sweden and other countries, no more fossil fueled cars.
- Battery costs are continuously dropping but using 55kg LiCO3 per battery.
- There are no cost efficient substitutes or synthetic replacements for lithium batteries that are commercial.
- China and many other countries provide subsidies for electric cars, increasing demand for lithium batteries.

#### **Electric Vehicle Sales**

- A record 55,000 new passenger electric cars were registered in august 2017 in China, with the market growing 68% compared to the same month last year and pulling the year-to-date (TDT) count over 282,000 electric cars, up 45% year over year (YoY)
- The US sold 157,130 electric vehicles in 2016...
- Over 12 Battery Gigafactories are set to open by 2025.
- Demand is projected to exceed supply through 2025.







#### Why Invest in A.I.S. Resources?

- Two large projects, Chiron and Guayatayoc
- Low number of shares issued
- Experienced Management and Technical Team, pilot plant and process engineering.
- Argentina Royalties 4.5% (Federal 1.5% and Juruy Province 3%). Lower than world standard.
- Market Capitalization and undervalued compared to peers
- Attractive 2020 time-line to production
- Production samples scheduled for Dec 2017 completed
- TEM-Electromagnetic survey is underway which will determine size and location of aquifers in the top 250m of Guayatayoc
- TEM-Electromagnetic survey completed at Chiron
- Guayatayoc has a mining permit and applied for lithium.





#### **Guayatayoc Project Deal Terms**

- \$720k USD payment made for six month option (Oct 2017)
- Option to extend for further six months for \$280k USD
- \$4.5 Million USD payment to purchase 3 concessions by Oct 2018 – \$600 per hectare
- The above transaction structure, permits the final evaluation of the concessions to be completed before final payment is made
- No stock issuance, no staged payments or royalties to vendors
- The above transaction does not dilute shareholders and allows the company to evaluate the concessions prior to purchase
- National Instrument 43-101 Report approved by the TSX and released May 2016 available on SEDAR and company website
- AIS Resources SA local company incorporated

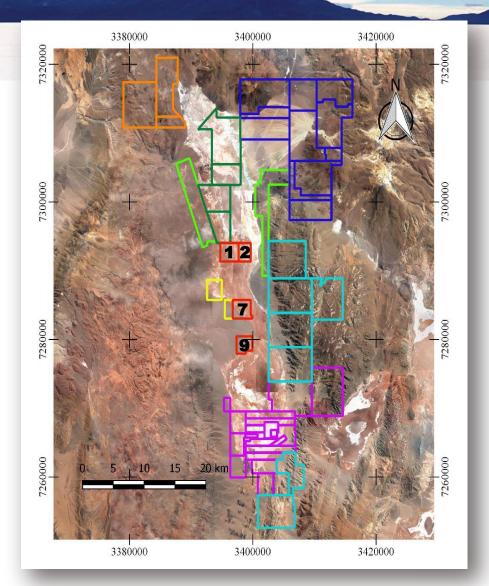


Brine pond contains 900ppm lithium in the Sodium and potassium saturated brine



## **Chiron Project Deal Terms**

- 200K USD for a six month option (19 Nov 2017)
- 1.2 million USD payment to purchase four concessions (Chiron) by May 2018 - \$600 per hectare – shown on map in red as #1, 2, 7, 9.
- The above transaction structure, permits the final evaluation of the concessions to be completed before final payment is made
- The above transaction does not dilute shareholders and allows the company to evaluate the concessions prior to purchase.
- No stock issuance, no staged payments or royalties to vendors, no dilution to shareholders.
- Currently drilling



TSX-V: AIS **OTCQB: AISSF** 

#### **Experienced Management Team**

#### Martyn Element – Chairman of the Board, Director

- Founder and President of Element & Associates primarily focused on sourcing new business ventures globally with a proven track record of securing financing.
- Cultivated extensive network and developed strong working relationships with specialized funds and high net worth individuals around the world – for private and public equity financings.
- Prior to forming Element and Associates in 1989, he developed his experience in the public financial markets in Canada through various corporate finance rolls.

#### Marc Enright-Morin - President, CEO, Director

- Successful mining and investment banking executive based in Vancouver has assisted various public and private companies raise capital through numerous institutions throughout North America, Europe and Austral-Asia.
- Over 15 years experience in the public and private markets with extensive network of investment banking contacts, all instrumental in the management and development of junior companies.
- Assisted various companies to go public through RTOs and IPOs, and has served as an officer and director to a number of publicly traded mining companies.
- His primary focus is the resource sector with seven years spent acquiring, researching, drilling and raising capital specifically for lithium opportunities.

#### Kiki Smith - CFO, CPA CGA Director

- Over 20 years experience assisting private and public companies in the roles of accountant, corporate controller and chief financial officer in mining, oil and gas, real estate, high technology, food production, and investment fund management.
- Currently provides consulting services in mergers and acquisitions, financial reporting, and regulatory compliance to several public and private companies in the resource, food production and investment sectors.
- Member of the Chartered Professional Accountants of British Columbia with Bachelor degree in economics.



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#### **Experienced Management Team (continued)**

Phillip Thomas, BSc Geol, MBusM, MAIG, MAIMVA, (CMV) - COO, Director, Project Director/Geologist

- Has spent the past 12 years exploring for lithium brines, building and operating pilot plants for production, and building production and processing facilities. Has first hand experience with the highly technical process of operating a lithium carbonate / lithium chloride plant at the Rincon salar.
- Chairman and CEO, Admiralty Resources, 2004 to 2008 he and his team explored and built the lithium carbonate processing facility which commenced operation in 2007. Upon the sale to the Sentient group in 2008, he resigned to pursue other lithium development opportunities.
- He and this team developed the Pozuelos salar producing an indicated and inferred resource, and putting in two production wells. At Hombre Muerto salar they trenched, drilled and constructed the lithium isobars, including putting together a fully equipped lab and pilot plant in Salta to manage the extraction processes and phase chemistry including fractional crystallization, membranes and ion exchange processes.
- Most recently he's been involved in exploring the Pocitos, Salinas Grandes and Guayatayoc salars.
- Experienced Geologist both in the field and has written bankable feasibility studies and proven and probable resource estimate statements.
- Has significant investment banking experience holding senior executive/director roles with Macquarie Bank, ABN-Amro, McIntosh Securities and actuaries Watson Wyatt.
- Member of the Australian Institute of Geoscientists, Australasian Institute of Mineral Valuers and Appraisers, Chairman of its board of directors, a Certified Mineral Valuer. He has a BSc, Geology from the Australian National University, a MBA from Monash University and Certificate in Financial Planning. He has attended numerous advanced courses in geology technology, geophysics and resource evaluation and many lithium conferences.



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#### **Experienced Management Team (continued)**

#### Dr. Carlos Sorentino – Chief Chemical Engineer

- Specializes in the valuation, planning, development and management of mining projects, having established a number of significant exploration projects in South America, and has completed a number of major lithium projects in Argentina.
- Specializes in the exploration, metallurgy & development of evaporitic deposits mineral resources, mainly in the Andes Cordillera.
- 1996 to 2001, prepared detailed engineering and bankable feasibility study for exploitation of the Salar del Rio Grande.
- 2004 to 2008, developed the basic and detail engineering and directed the establishment of a pilot plant for a lithium project in the Salar of Rincon, in Salta, Argentina.
- Recently, he formulated a detailed business plan for the exploitation of lithium in the Salar of Pozuelos.
- His doctoral dissertation was mineral economics, and has a master of environmental studies, bachelor of engineering (chemistry) and a diploma in radioisotopes technology.
- He is a fellow and a chartered professional of the Australasian Institute of Mining and Metallurgy, a member of the Mineral Industry Consultants Association, a member of the American Chemical Society, and a director and certified mineral valuer with the Australasian Institute of Mineral Valuers and Appraisers.



#### **Argentina Project Overview**

Concessions located in Argentina's lithium triangle called the Puna region.

#### **Three Projects:**

- Guayatayoc 5,225 Ha
- Chiron Project 2,732 Ha
- Vilama 2,500 Ha

#### Mining permit issued for Guayatayoc

- Acquired significant volume of geological research data completed 2013-2017.
- Guayatayoc was sampled with Li ranging from 270-900 ppm in ponds that had aquifer flow, and 100-190ppm for brines sitting in the top layers above the montmorillite clay layers.
- Geophysics show large highly conductive layers or "aquifers" present between 20 metres and 250 metres with strong correlation to brine soaked halites and sands.
- Once drilling permit is issued at Guayatayoc, project will be fast tracked as chemistry and process work e.g. mass and thermal balances for processing is complete.
- Drilling Chiron.



Guayatayoc salar with company geologist and COO Phil Thomas

#### **Development Schedule – Shipping Product Sept 2020**

	Constr	uction, Co	mmission,	Production	Timeline							
	2017			20	018			2019				2020
Qtr	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar
Drlling, Production Testing, Mass Balance, Pilot Plant												
Sample production												
Banking Feasibility Study												
Capital/Debt raising for project												
Construction												
Civil works for ponds, liners												
Construction of mixing tanks, ponds and liners, electronics						1						
Processing												
Filling ponds												
Commencement of treatment of concentrated brine								3				
Delivering lithium Carbonate to customers												
Delivering samples to clients												

- Argentina is currently third largest exporter of lithium carbonate with 29,000 tons a year and there are only three producers.
- The tectonic structure that the Guayatayoc salar is in extends to Salinas Grandes, Pozuelos, Pocitos and Rincon salars that hold the most lithium in the Puna Region. However, only Pozuelos and Rincon have been extensively drilled.
- The Hombre Muerto Salar to the south has been operating for nearly 25 years and shows the enormous amount of lithium in these salars and the annual aquifer flow rates.



# A.I.S. Capital Structure (as of December 1st, 2017)

			POSSIBLE
		SHARES	PROCEEDS
ISSUED AND OUTSTANDING		48,254,898	
EXPIRY DATE	PRICE	WARRANTS	\$ CAD
05-Oct-18	0.30	5,973,850	1,792,155
01-Nov-18	0.30	14,745,309	4,423,593
		20,719,159	6,215,748
EXPIRY DATE	PRICE	OPTIONS	\$ CAD
27-Apr-19	0.28	400,000	112,000
20-May-19	0.20	100,000	20,000
12-Aug-21	0.15	665,000	99,750
7-Oct-21	0.25	350,000	87,500
8-Nov-21	0.30	100,000	30,000
14-Feb-22	0.20	260,000	52,000
14-Feb-22	0.68	150,000	102,000
25-Aug-22	0.20	175,000	35,000
24-Nov-22	0.91	2,200,000	2,002,000
		4,400,000	2,540,250
FULLY DILUTED		73,374,057	8,755,998



## Why Invest in A.I.S. Resources?

- Two large salars with abundance of research reduces the risk of lithium carbonate production
- Strong geology, chemical engineering and marketing team
- Positive studies from the above will give us the necessary information required for a drill program with final objective of a NI43-101 Inferred and possibly Indicated mineral resource statement of lithium within 6 months
- Budgeted for approx. 2,800 metres of drilling





## **Visual Synopsis of the Business**



Salar, Argentina



**Production Boreholes** 



Evaporation of brine



Movement of brine to further evaporation



Chemical analysis ensuring removal of impurities



Production of lithium carbonate



1000 kg & 25kg bags



Train to Antofagasta, Chile





Container ship to client

# Guayatayoc Project – with Peer Companies / Market Caps

1. A.I.S. Resources Ltd. Guayatayoc

(same stage as #4, 6 & 7)

Market Cap: \$48.6 Million

**2.** Cauchari-Olaroz Lithium Americas Corp. JV with SQM

Market Cap: \$616.53 Million

**3.** Salar de Atacama South America's largest lithium producer SQM

Market Cap: \$14.76 Billion

**4.** LSC Lithium Corp. Stephen Dattels –

Market Cap: \$117.58 Million



**5.** Cauchari-Olaroz Orocobre Limited **Market Cap:** 

**6.** Salinas Grande 400ppm to 600ppm Millennial Lithium

Market Cap: \$196.14 Million

\$1.35 Billion

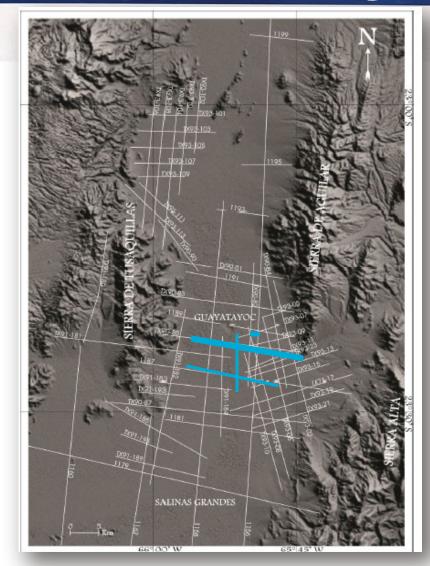
**7.** Argosy Minerals Salar de Rincón

Market Cap: \$307.7 Million

# **Guayatayoc Project – Summary**

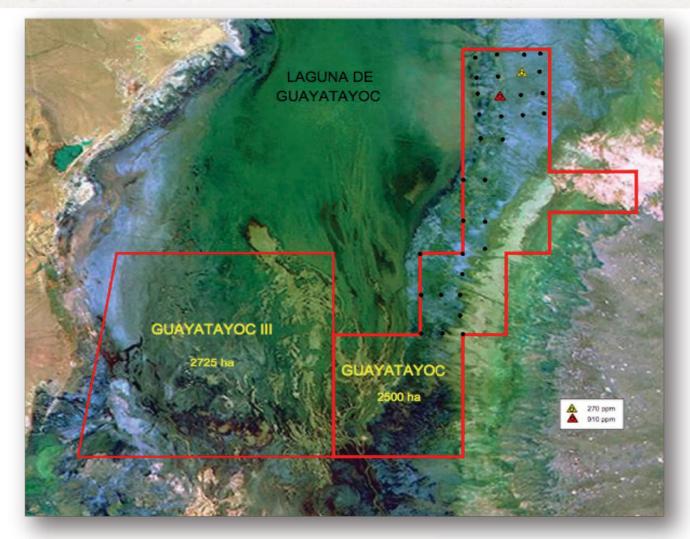
Past Seismic work has been collated and:

- Identified possible location of aquifers from latest 2016 Geophysics with a highly conductive zone approximately 7km wide (blue lines)
- Better understanding of structural geology from structural studies recently completed
- Preparation for Transient Electro-Magnetic Survey (TEM) and drill core then production well testing





# **Guayatayoc Project**





# **Guayatayoc Project – Capex 12 Months (M1 – Jan 2018)**

	M 1	M 2	М 3	M 4	M 5	M 6	M 7	M 8	М 9	M 10	M 11	M 12	Total
	IVI 1	IVI Z	IVI 3	IVI 4	IVI 5	IVI O	IVI 7	IVI O	IVI 9	IVI 1U	IVI 11	IVI 12	IOLAI
Evaporation test ponds, 0.25 Ha	30	65											95
Evaporation testing, etc			2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	25
Installing AWS		55											55
AWS Calibration			10	10									20
Data compilation			2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	25
Reporting			2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	25
Contingencies	3	12	2	2	1	1	1	1	1	1	1	1	27
Evaporation field tests subtotal	33	132	19.5	19.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	272

	M 1	M 2	М 3	M 4	M 5	M 6	M 7	M 8	M 9	M 10	M 11	M 12	Total
Pilot Plant Rental	10	10											20
PP consumables		50	25	25	25	25	25	25	25	25	25	25	300
Recovery, crystallisation & purification tests			45	45	45	45	45	45	45	45	45	45	450
Mass & Thermal Balances			45	45	45	45	45	45	45	45	45	45	450
Flow Sheet									25	25			50
Bankable Feasibility Study											25	25	50
Contingencies	9	14	12	12	12	12	12	12	14	14	14	14	151
Pilot Plant simulation of Li recovery subtotal	99	154	127	127	127	127	127	127	154	154	154	154	1,631

	M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8	M 9	M 10	M 11	M 12	Total
Field tests	33	132	19.5	19.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	272
Bankable Feasibility Study	99	154	127	127	127	127	127	127	154	154	154	154	1,631
Expenses not included elsewhere	20.9	52.8	42	39	43.4	28.5	16.4	16.9	16.3	16.3	16.3	16.3	325
Total costs, thousand US\$	152.9	338.8	188.5	185.5	178.9	164	151.9	152.4	178.8	178.8	178.8	178.8	2,228

Payment Schedule	M 1	M 2	М 3	M 4	M 5	M 6	M 7	M 8	М 9	M 10	M 11	M 12	Total
Schedule of payments	492	174	174	174	174	174	174	174	174	174	170	nil	2,228



# **Guayatayoc Project – Project Timeline**

Activity	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug
Exploration																						
it Sampling to produce Li surface isoconcentration																						1
ransient Electromagnetic Survey (TEM) 500m																						
rilling and seismic Permit Issued																						
Orill Holes and analyse core ( 6-15 holes at 50-300m)																						
Geohydrology and Production wells (2-7)																						
eological model, Inferred indicated NI43-101																						
Properties Acquisition																						
Guayatayoc and Vilama US\$4.5m																						
Production Testing																						
4hr and 30 day pump tests																						
Geohydrological statistics report																						1
Evaporation pond testing 1 megalitre pond																						1
installation lab, weather station, offices and camp																						
Chemistry	1							·														
66,000 litres trucked to pilot plant																						1
Phase and mass balance chemistry																						1
Production of samples for testing process																						<del>                                     </del>
Construction of Pilot plant at Guayatayoc site																						1
Fractional crystallization balances																						1
Production decision																						<b>†</b>
Raw Supply Acquisition																						
Slakey Lime Contract																						1
Sodium Sulphate, sodium Carbonate																						1
Warehouse construction																						<b>†</b>
Potable water and drill springs																						<b>†</b>
Reporting	•	•			•		•			•						•						
low sheet																						1
Neasured Indicated and Inferred Resource																						1
Feasibility Study 43-101																						1
Proven and Probable Study - Bankable Feasibility Study																						1
LI2CO3 sales contract/virtual equity placement																						1
Construction Estimates/Engineering	•	•	•		•	•	•			•						•	•					
onds, plant, warehouse, accomodation																						1
Project finance, convertible notes, corporate bond																						1
Earthworks																						1
Pond permits applied for																						
5 million square metres 9 ponds																						
50% Pond Liners installed																						
illing ponds commences																						

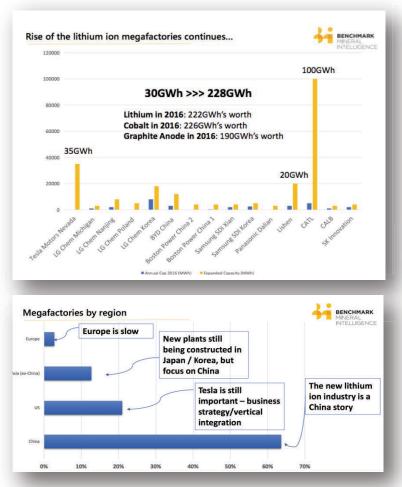


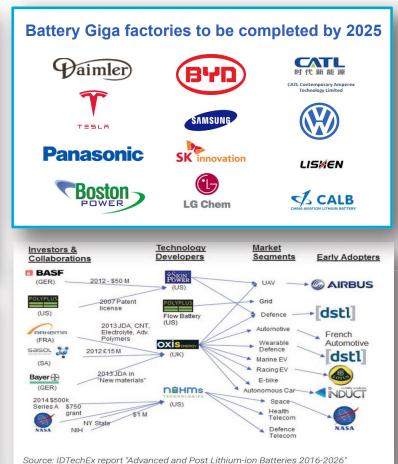
## **Recent News Highlights**

- Environmental impact assessments have been completed on all four concessions on 'Chiron Project'. Drilling permission was received and the company is now drilling.
- AIS has planned an intensive exploration program of sampling, mapping, geophysics and drilling for the period May to August 2018 and plans to complete a NI 43-101 compliant study in the 2nd. quarter of 2018.
- Guayatayoc sample 1618 (G9) returned 910 parts per million lithium (0.091 per cent Li), with 27,300 milligrams per litre potassium (2.73 per cent K) and a magnesium-to-lithium ratio of 1:1.
- Samples collected at Guayatayoc and Vilama have lithium values in the range that would be considered exceptionally commercial along with very high relative potassium grades.
- The magnesium-to-lithium ratio is very low at Guayatayoc, which implies a lower usage of slaked lime and sodium sulphate to remove the magnesium from the brine.

# 4

## **Every 1 Million Electric Vehicles Require 40 GWh of Batteries**







#### **Guayatayoc Project – Summary**

- Advanced project with technical data and PhD study
- Excellent infrastructure, paved highways and gas line nearby
- Established marketing plan for off-take agreements across Europe, Asia and China
- Technical team with proven track record of having done it before
- Mining license issued
- Exploration progressing on time
- Short time frame to feasibility
- Production decision September 2018
- Capital structure strategy in place
- Sample production completed
- Approximately 10-20 tonnes to be produced post mass balance and phase chemistry results





## **Chiron Project – Located in the Pocitos Salar**

- The project consists of four concessions in the Salar de Quirón in the Province of Salta (total 2732 Ha)
- Located approximately 10 km outside the township of Pocitos
- Very encouraging results from nearby, explorers classifies the Chiron Project as having significant prospectivity
- An environmental impact assessment is being completed allowing AIS to commence seismic and drilling immediately, and a VES geophysics study is being prepared
- Currently drilling
- AIS completed significant research to better define the tectonic events of the adjoining Salares to understand the likely occurrence of lithium rich brines in the Salar at depth
- New research suggests at least three adjacent Salares have been exposed to significant tectonic and volcanic events during the Proterozoic period "burying" previously existing Salares



#### **Chiron Project – Pocitos Salar**

Neighbouring company projects located in the highly prolific lithium brine Pocitos Salar surrounding the Chiron Project.



Millenials Properties



**Adjacent Properties** 



Pepinnini SA

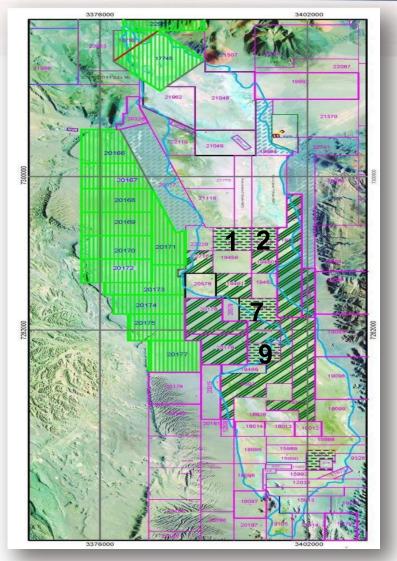


A.I.S. Resources Ltd. – Mines 1,2,7,9



Pure Energy



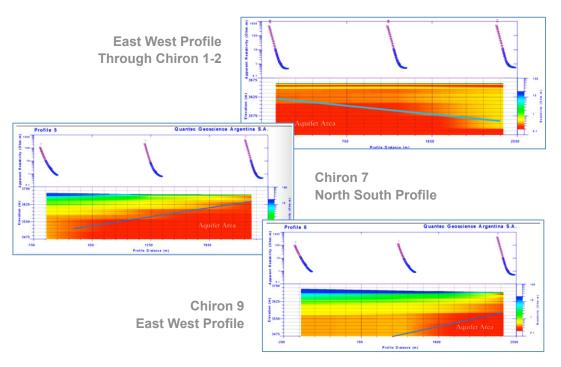


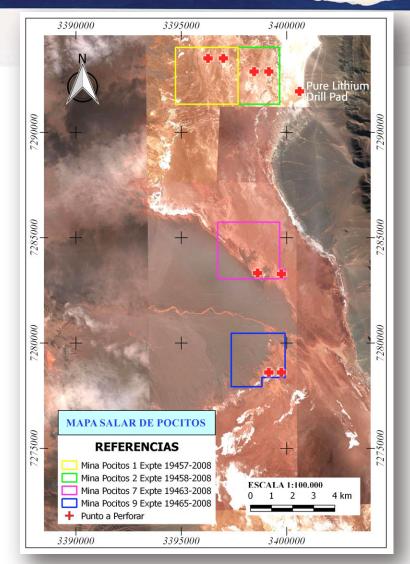


## **Chiron Project – Drill Targets**

The map to the right shows strategic drill targets marked "+" on the Chiron Project.

Electromagnetic testing indicates sandy aquifers with a high probability of lithium rich brines.







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# **Chiron Project – Project Timeline**

Activity	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19
Exploration																
Pit Sampling to produce Li surface isoconcentration																
Transient Electromagnetic Survey (TEM) 500m																
Drilling and seismic Permit Issued																
Drill Holes and analyse core ( 8 holes at 50-400m)																
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installation lab, weather station, offices and camp																
Chemistry																
200,000 litres trucked to pilot plant																
Phase and mass balance chemistry																
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Proven and Probable Study - Bankable Feasibility Study																
LI2CO3 sales contract/virtual equity placement																
Construction Estimates/Engineering																
Ponds, plant, warehouse, accomodation																
Project finance, convertible notes, corporate bond																
Earthworks				•			•									
Pond permits applied for																
3million square metres 3 ponds																
Pond Liners installed																
Filling ponds commences																



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