



QUEBEC

PEGMATITE

LITHIUM EXPLORATION IN TOP DEMONSTRATED
HARD ROCK LITHIUM DISTRICTS ACROSS THE WORLD

INVESTOR PRESENTATION
2023

DISCLAIMER

This material includes “forward-looking” statements or information within the meaning of Canadian securities legislation and the United States Private Securities Litigation Reform Act of 1995. Forward-looking statements relate to future events or the anticipated performance of Quebec Pegmatite Corporation. (“the Company” or “Quebec Pegmatite”) and reflect management’s expectations, objectives or beliefs regarding such future events and anticipated performance. In certain cases, forward-looking statements can be identified by the use of words such as “further” “suggests”, “further evidence”, “potentially”, “possibly”, “indicates” or variations of such words and phrases or statements that certain actions, events or results “may”, “could”, “would”, “might”, or “will be taken”, “occur” or “be achieved”, or the negative of these words or comparable terminology. Forward looking statements rely on a number of assumptions which management believes to be reasonable, including assumptions regarding the Company’s ability to obtaining necessary financing, personnel, equipment and permits to complete its proposed exploration plans, and to identify additional battery metals properties for exploration.

By their very nature forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual performance of the Company to be materially different from any anticipated performance expressed or implied by the forward-looking statements. Such factors include various risks related to the Company’s operations, including, without limitation, fluctuations in spot and forward markets for lithium and other metals, fluctuations in currency markets, changes in national and local governments in Quebec and generally, the speculative nature of mineral exploration and development, risks associated with obtaining necessary operating and environmental permits, the presence of laws and changes in regulations that may impose restrictions on mining, limitations in respect of management time and resources, lack of personnel and equipment necessary to carry out the Company’s proposed exploration and development and other delays (including in obtaining financing) which could result in the Company missing expected timelines, and the fact that the Company may not be able to identify additional mineral properties for acquisition or option on acceptable terms.

Although the Company has attempted to identify important factors that could cause actual performance to differ materially from that described in forward-looking statements, there may be other factors that cause its performance not to be as anticipated. The Company neither intends nor assumes any obligation to update these forward-looking statements or information to reflect changes in assumptions or circumstances other than as required by applicable law. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those currently anticipated. The information contained in this document is drawn from sources believed to be reliable, but the accuracy and completeness of the information is not guaranteed, nor does the Company assume any liability. The Company disclaims all responsibility and accepts no liability (including negligence) for the consequences for any person acting, or refraining from acting, on such information.

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The information and content of a scientific or technical nature contained in this corporate presentation has been prepared by or under the supervision of John Langton, M.Sc., P.Geo. of JPL GeoServices for the purposes of National Instrument 43-101.

WHAT IS A PEGMATITE?

A pegmatite is an igneous rock showing a very coarse texture, forming as the last part of a magma body in large interlocking crystals.

Many of the world's largest crystals are found within pegmatites. These include crystals of microcline, quartz, mica, spodumene, beryl, and tourmaline.

Spodumene, a brittle crystalline mineral of the pyroxene group that varies in color and is the **most common mineral mined for lithium in pegmatites.**

Pegmatites are found at surface commonly described as outcrops.



THREE REASONS TO BUY

1

Three **100% owned** early-stage exploration projects with **district scale claims** in two of the most highly sought after lithium regions **in the world, Quebec and Brazil**.

2

Located in close proximity to **Patriot Battery Metals (PMET.V – Mkt Cap CDN \$1.4 billion)** and **Rio Tinto** in Quebec and **Sigma Lithium Corp (SGML.V – Mkt Cap CDN \$5 billion)** in Brazil

3

Proposed pre-listing financing at an **attractive valuation** supported by near-term catalysts and one of **Canada's leading** junior resource management & technical teams.

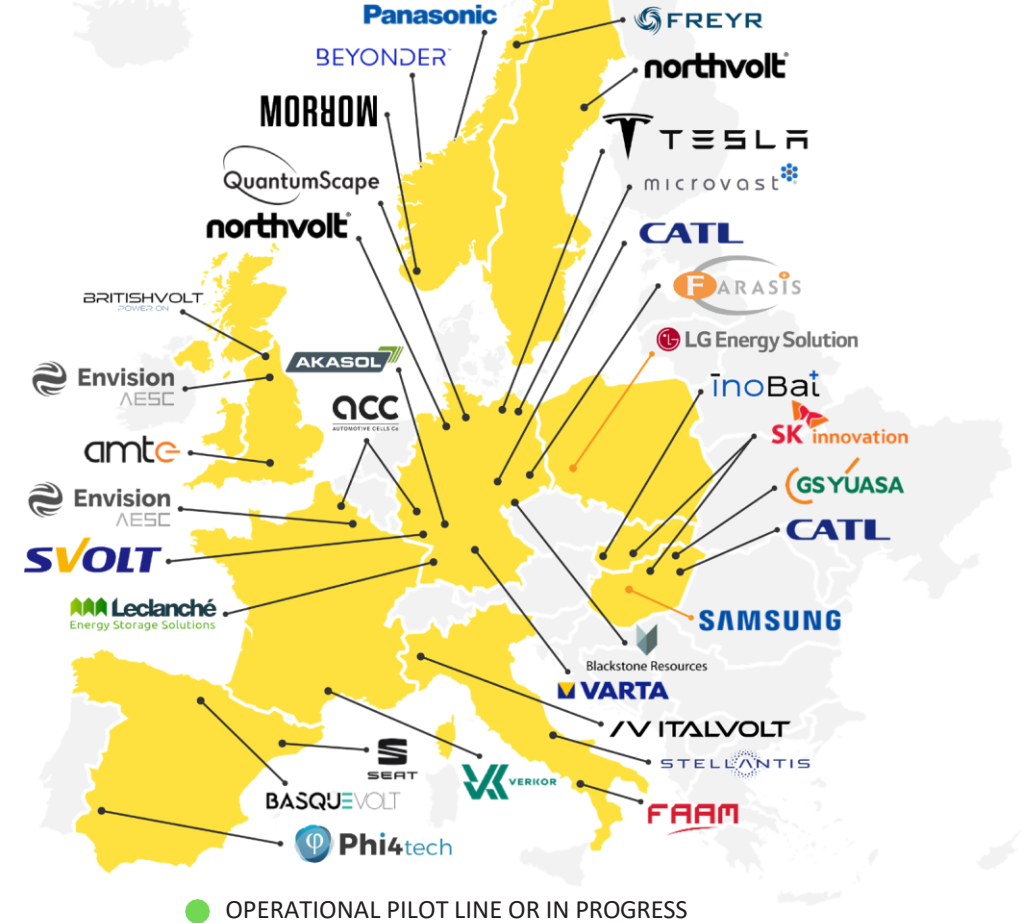


LITHIUM OPPORTUNITY

Battery Plants Expected to Come Online in North America and Europe



Expected Global Lithium Demand of: 2.7 Mt LCE in 2030¹



Expected Global EV Battery Demand of: 3.2 TWh in 2030 (~2.5M – 2.9Mt LCE)²

Source: IEA

1. Based on IEA's "The Role of Critical Minerals in Clean Energy Transitions", May 2021

2. Based on IEA's "Global EV Outlook 2022", May 2022. Assuming 0.8 – 0.9kg LCE/kWh

DEVELOPMENT TIMELINE

Nov 2022 Mar 2023 May 2023 Jun 2023 Jul 2023 Aug 2023 Sep 2023 Oct 2023

488 soil samples collected at **Mazerac**

- **Vieux Comptoir** option agreement with Superior Mining (SUI.V) finalized
- Soil samples results returned confirming numerous single and multi-point lithium geochemical anomalies

Share exchange agreement executed with First Responder and filed listing statement with the CSE

- Completed airborne triaxial magnetic gradiometer survey and remote sensing with hyperspectral fingerprinting at **Vieux Comptoir** confirming 126 pegmatite observations throughout the property

- Completed acquisition of property in Brazil, strategically diversifying the land position for maximum year-round exploration

- Anticipated completion of CSE listing and trading commencement under symbol "QCLI"
- Plan multi-phased work program for Brazil 1 property

- Complete remote sensing with hyperspectral fingerprinting at Mazerac
- Phase 2 field program to be completed on Mazerac and Vieux Comptoir

- Assay results from phase 2 field programs on all properties expected by month end
- Data interpretation of results and plan phase 3 exploration programs
- Commence Phase 1 programs in Brazil

QUEBEC SIGNIFICANCE

The Province of Quebec is recognized as one of the best mining friendly jurisdictions in the world as ranked by Fraser Institute. The key advantages of the James Bay region are the quality of its infrastructure (major road access, clean hydro-electric power grid, airports), the supportive relationship with the Cree First Nation, the excellent geoscientific database, a favorable Archean geological setting with already known lithium deposits, and an early exploration stage.

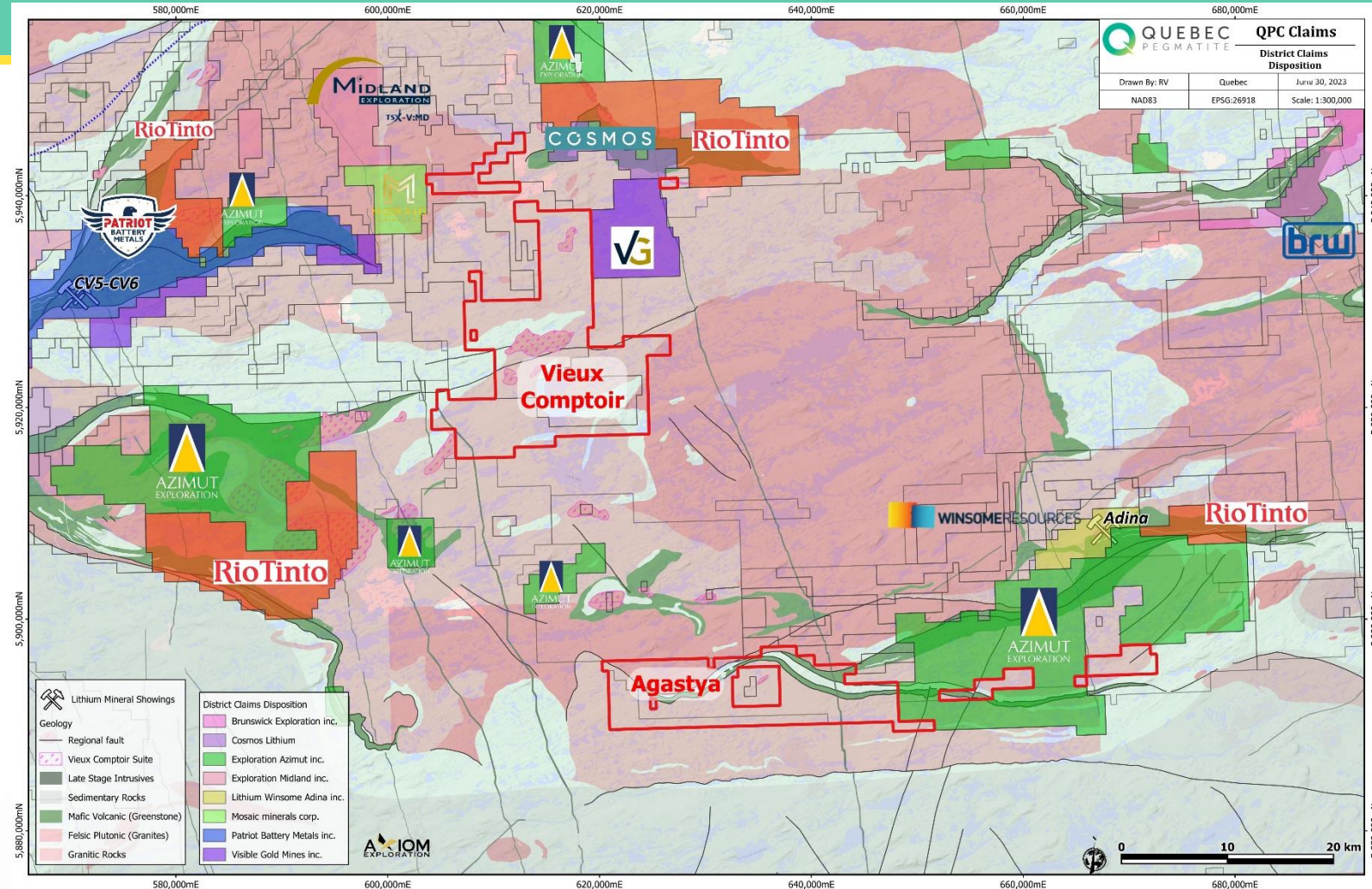
The government's goal is for Québec to become a leader in the production, transformation and recycling of critical minerals, and has developed the Plan Du Nord to expand its infrastructure to support the green energy initiative.

The province is host to prolific hard rock lithium endowments with numerous spodumene showings with defined resources in four deposits such as Whabouchi (Nemaska Lithium), Rose (Critical Element), Cyr (Alkem) and Moblan (Sayona)), as well as more recent discoveries such as Corvette (Patriot Battery Metals).



JAMES BAY REGION

- Patriot Battery Metals has a \$1.5 billion market cap. The company has proven a 109.2 Mt resource at 1.42% Li₂O 45 km due west of QPC with over 50 km of strike length.
- Winsome Resources has a \$270 million AUD market cap with two high-grade lithium discoveries in the region, Cancet and Adina.
- Rio Tinto Exploration Canada has a market cap of \$165 billion and signed an agreement with Midland Exploration on June 14, 2023, announcing their plans to spend \$65 million on 10 properties over the next 5 years.
- Brunswick Exploration Inc. has a market cap of \$155 million and has planned one of the largest lithium exploration initiatives in North America with hundreds of pegmatites across its various properties.

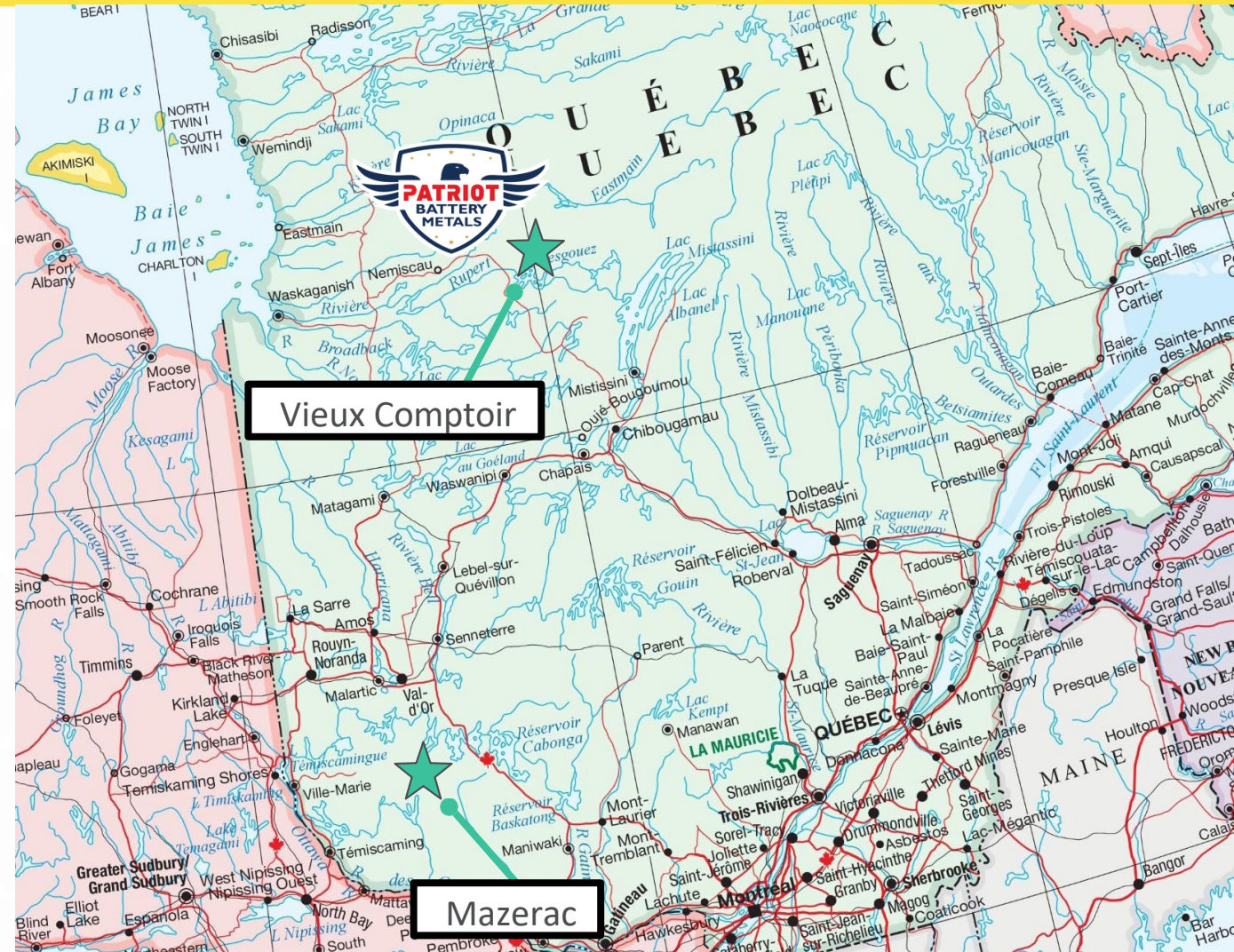


DISTRICT SCALE PORTFOLIO OVERVIEW

Vieux Comptoir lithium property has 542 claims over 278 km²

Mazérac Central lithium property has 108 claims over 63 km²

43-101 conducted on Mazérac Central lithium property as public listing asset



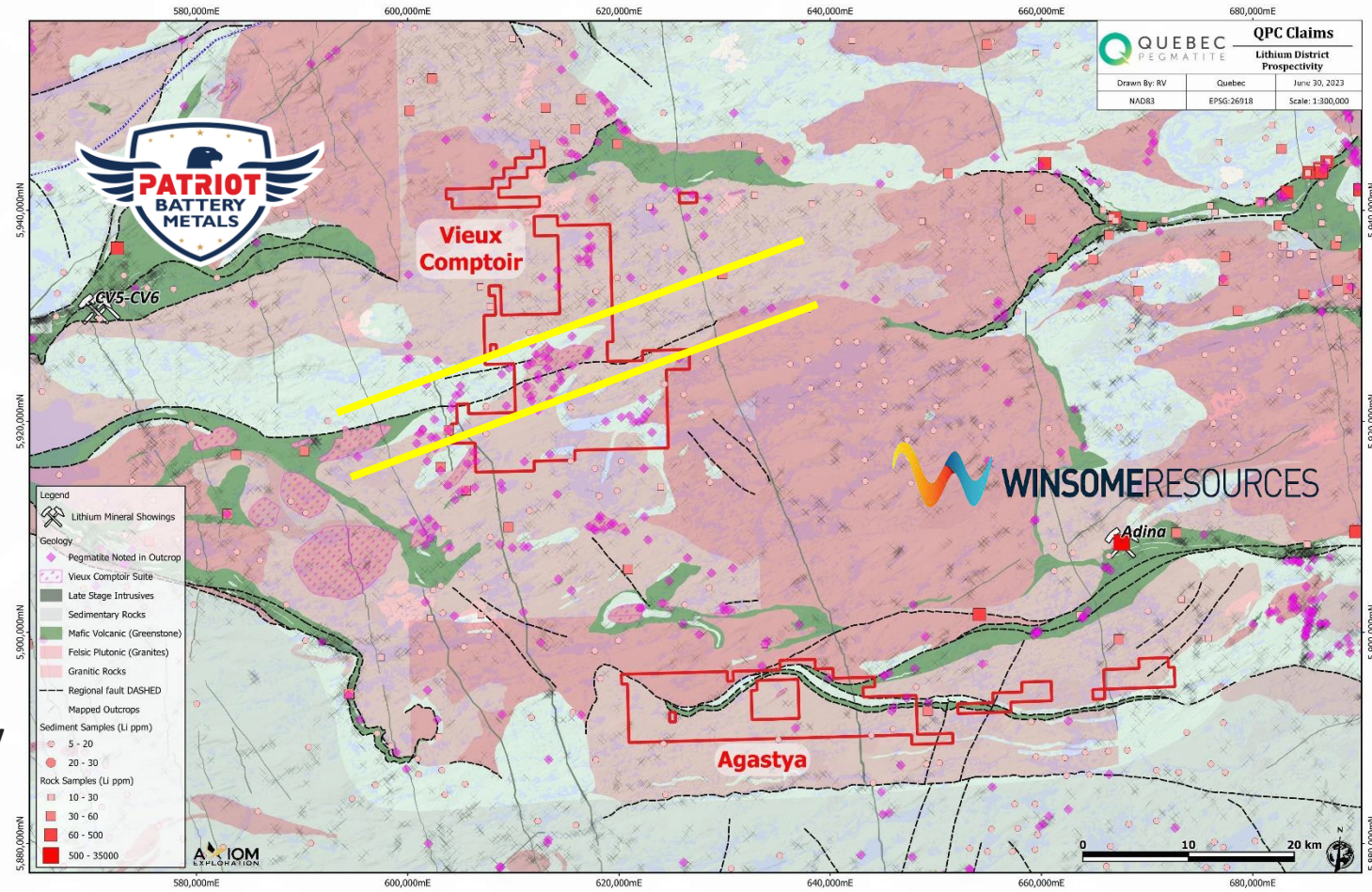
REGIONAL GEOLOGY

Located proximal to **Patriot Battery Metals (V.PMET)** a **CAD\$1.5 billion company**. Their 21,400 ha Corvette property is one of the largest and highest-grade hard rock lithium projects being explored, with over 50km's of strike length over a 214 sq km land package and over 70 lithium bearing pegmatite outcrops identified to date. The CV5 pegmatite, has reached a strike length of at least 3.7 km with assays up to 5.10% Li₂O.

Named after the Vieux Comptoir Granitic Suite, it is known to host **K-feldspar granite phases** in pegmatite form which may host an abundance of spodumene.

The Property is also located along the La Grande Greenstone Belt trend with the **Corvette Shear Zone** passing through the Property creating regional structures known to focus pegmatite emplacement.

Winsome Resources (ASX:WR1) is an **AUD\$300 million company** and located 45km east of Vieux Comptoir. Their rock chip assay results through surface mapping from recent Jamar Discovery at Adina confirm lithium mineralization is much larger than previously thought with assays include 4.89% and 4.61% Li₂O.



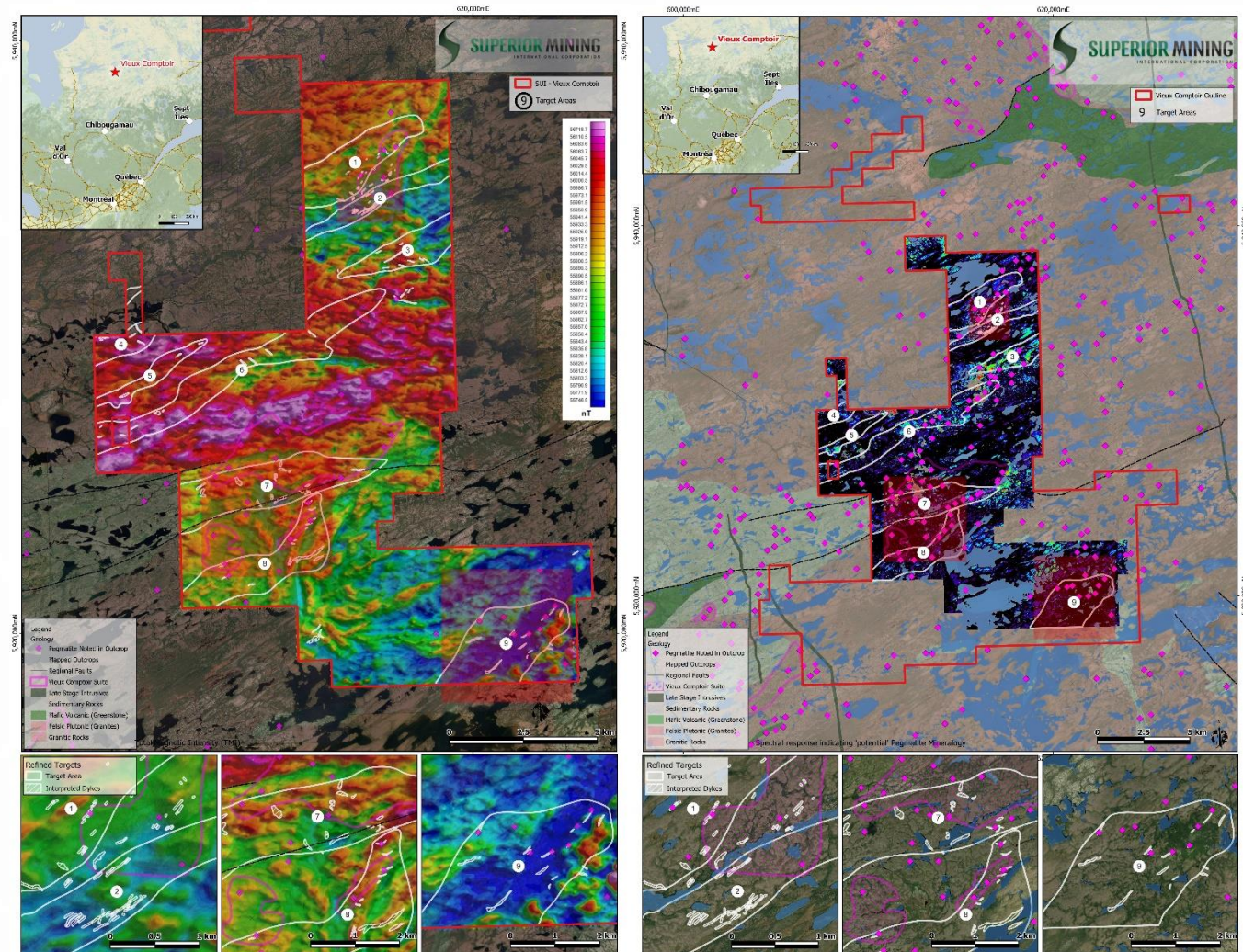
VIEUX COMPTOIR PROPERTY

During phase 1 an airborne triaxial magnetic gradiometer survey was completed.

Numerous structural trends including have been identified including 126 pegmatite observations. Several discrete magnetic low anomalies are visible within and immediately adjacent to mapped **Vieux Comptoir** intrusive rocks.

Additionally, remote sensing data acquisition, processing, and analysis were conducted over the principal project area.

Through machine and deep learning, band math is applied to the 10m resolution satellite and hyperspectral satellite data. This propriety analysis is designed to detect lithium-bearing minerals such as spodumene and lepidolite using a hyperspectral fingerprinting method and has highlighted nine (9) new high priority Lithium targets at the Vieux Comptoir Property.



EQUITY VALUE

Quebec Pegmatite has become a substantial shareholder in **Superior Mining (SUI.V)** through a strategic partnership on the **Vieux Comptoir** property. This provides Quebec Pegmatite shareholders with all the upside and no downside on the cost of exploration.

Terms of the agreement are as follows:

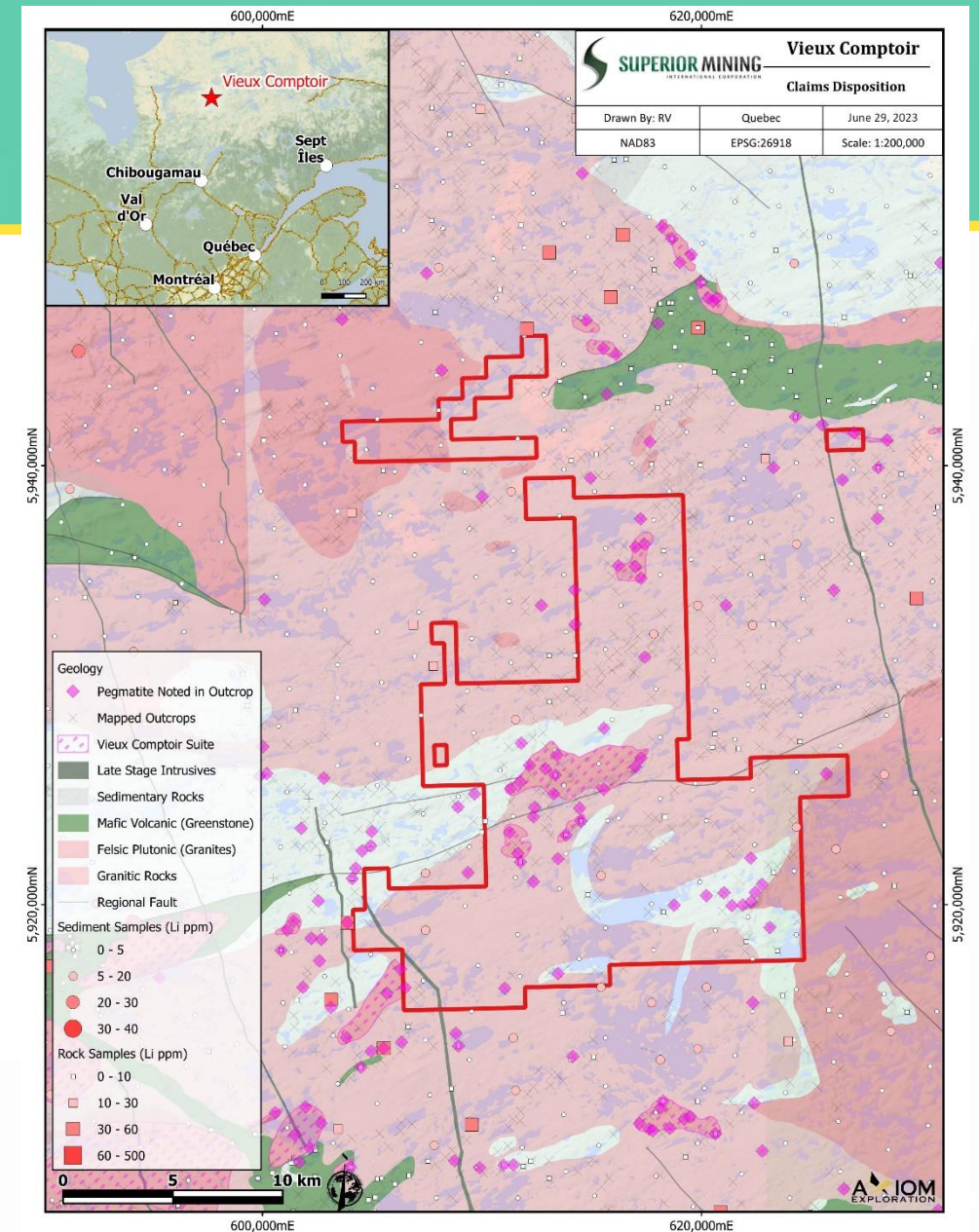
7,000,000 common shares of SUI.V upon receipt of approval by the TSX Venture Exchange (Completed);

3,500,000 Superior Shares payable on the one-year anniversary of the Option Agreement; and

3,500,000 Superior Shares payable on the eighteen-month anniversary of the Option Agreement.

Superior shall grant QPC a 3.0% net smelter return royalty (the “NSR Royalty”) and the NSR Royalty may be reduced to 1.5% upon Superior making a cash payment of \$3,000,000 to QPC.

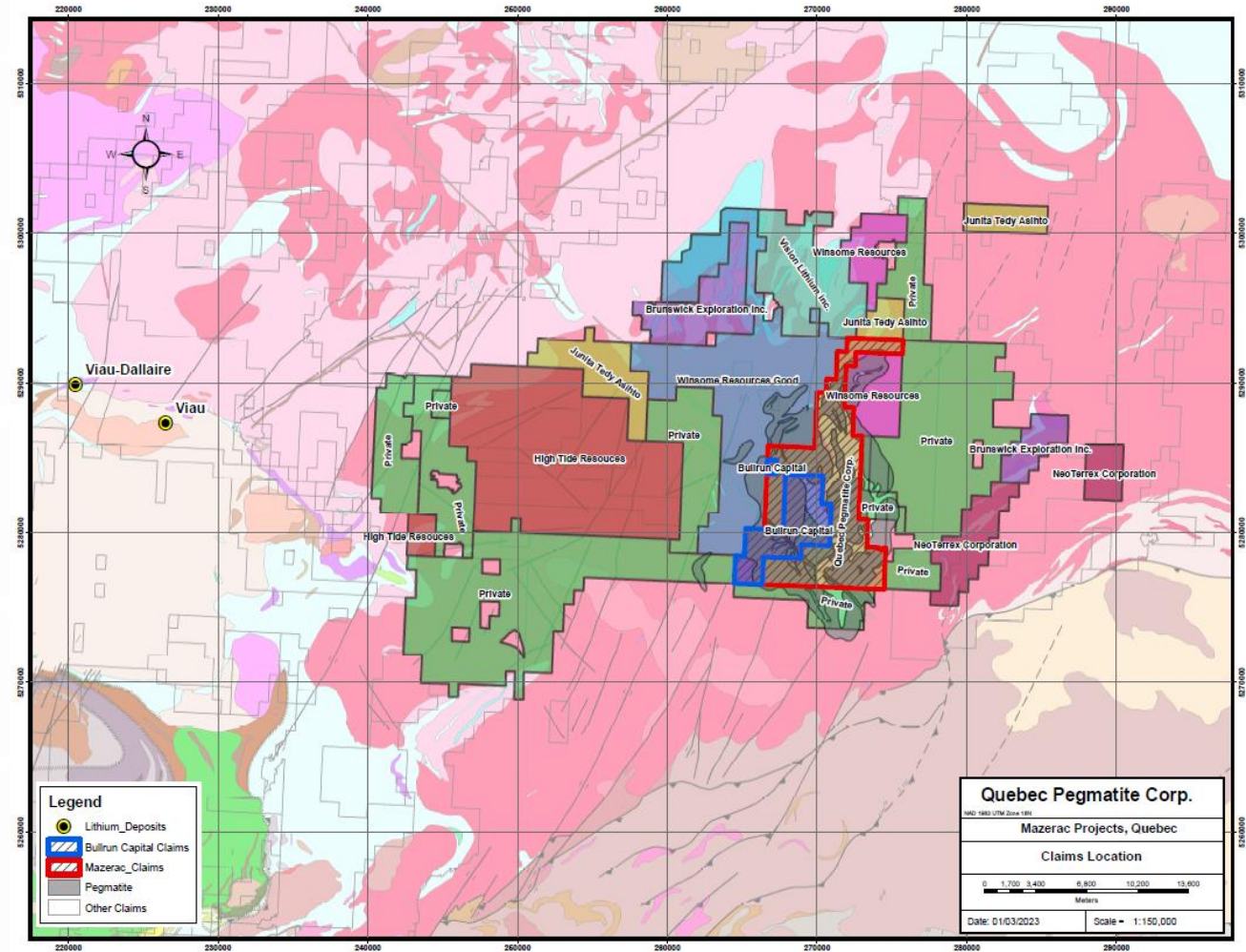
Superior Mining International Corp. trades on the TSX.V under the symbol SUI with a current market cap of \$18.15 million.



MAZÉRAC REGION

THE MAZÉRAC PROJECT CONSISTS OF 108 MINERAL CLAIMS OVER 6,262 HECTARES IN SIZE AND IN MIDST OF SEVERAL OTHER WELL FUNDED PUBLIC COMPANY LITHIUM PROJECTS THAT ARE AGGRESIVELY BEING EXPLORED

- These include Winsome Resources, Vision Lithium, and Brunswick Exploration
- The property is located on the Decelles Reservoir, close to infrastructure, easily accessible by a network of forestry roads and about 50km southwest of Val-d'Or, an historic mining center
- A modest discovery in this region will benefit from the extraction and process facility run by Sayona Mining Ltd., a billion-dollar company that trades on the Australian Stock Exchange.

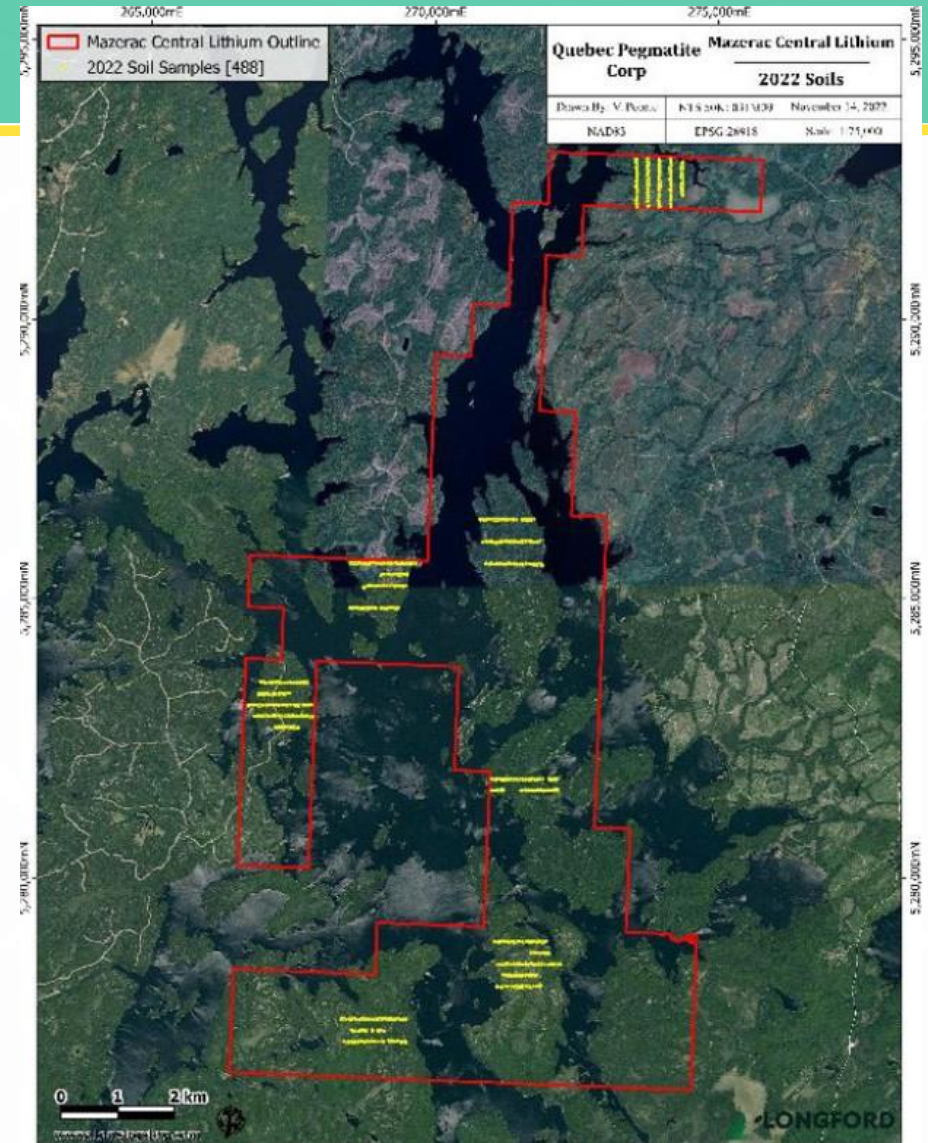


MAZÉRAC WORK HISTORY

As of today, a total of 488 soil samples, including eighteen (18) field duplicates, were collected over seven (7) small grids on the property. The grid areas were selected to provide coverage across the property with sampling lines spaced at 200m and sample collection sites spaced at 50m along the lines.

Samples were collected using soil augers in an attempt to sample the B-horizon below organic layers, which averaged 30-40 cm in thickness. The soil profile was generally well-developed and not water saturated, except where sampling in wetland areas.

Results from sampling were numerous single and multi-point lithium geochemical anomalies throughout the property. Additionally, there are subtle anomalies for Ta, Rb, REE's and various geochemical ratios as indicators to prospectivity and pegmatite fertility in the seven zones explored. The trace element geochem is telling, providing proper guidance for exploration this spring and summer.



BRAZIL SIGNIFICANCE

Lithium Valley Brazil Project

"Lithium Valley Brazil commences with significant relevance in the global lithium industry, anchored by Sigma Lithium, one of the world's top producers, which is trucking to port the most environmentally and socially sustainable lithium in the world. Sigma Lithium materials are expected to enable the production of 610,000 electric vehicles in the first year and 1,6 million electric vehicles in its second year. The growth of Lithium Valley Brazil will be our collective contribution for a greener planet and a more just society. It will be our legacy. Our children and grandchildren will be proud of us in the future," said Ana Cabral-Gardner, Sigma Lithium's CEO and Co-Chairperson



Brazil - A tier one mining jurisdiction:

- Tier 1 Mining Jurisdiction: Accounts for >30% of global iron ore production
- Major Exporter: Leading exporter of Lithium, Tin, and Manganese with substantial reserves of Gold, Nickel, Bauxite, and Niobium
- Rare Earth Mining: Biggest miner of rare earths outside of China
- Pro-Mining Culture: Attracts significant foreign investment in the mining industry
- No Governmental Ownership Mandate: Mining projects not mandated to be government owned
- Honouring Agreements: Strong track record of honouring mining agreements.
- Economic Impact: Mining sector is a top three contributor to the 10th largest economy in the World

BRAZLI 1 LITHIUM PROJECT

The Brazli 1 Lithium Project is a 2,956 hectare (29 square kilometers) mineral claim block in Brazil's Minas Gerais State, a mining-friendly jurisdiction located approximately 45 kms from Sigma Lithium's Grota do Cirilo property, the largest lithium hard rock deposit in the Americas.

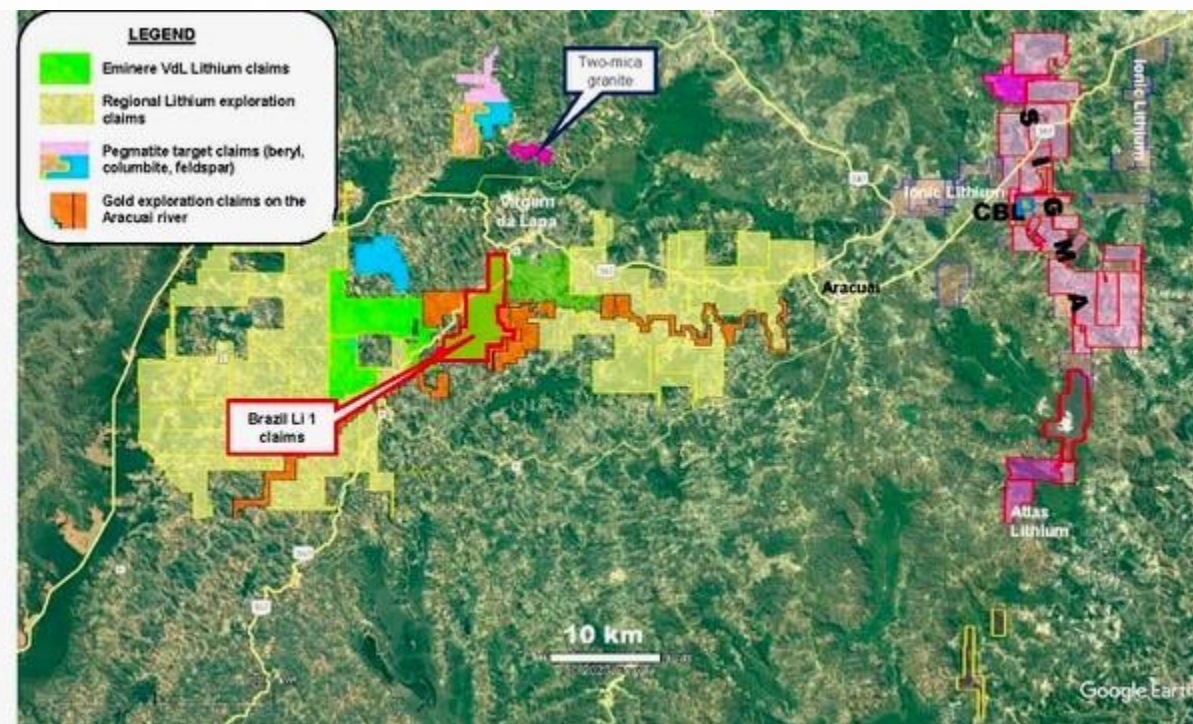
The project was identified and acquired via database research by leading lithium exploration experts Dr. Harrison Cookenboo Ph.D. P.Geo. And Dr. Sergio Melo MSc Ph.D in Geology.

The Project is located 60 kilometres west-southwest of the heart of Brazil's most important lithium district, where Sigma Lithium and CBL are producing lithium from spodumene pegmatites, and Lithium Ionic and Atlas Lithium are developing new lithium projects.

The geology covers the same metasedimentary rock unit that hosts the lithium deposits in the Sigma, CBL, Ionic and Atlas areas. Located 85 kilometres southwest of Latin Resources' large lithium deposit (estimated 30 million tonnes of measured and indicated lithium mineral resource, plus 15 million tonnes of inferred lithium mineral resource).

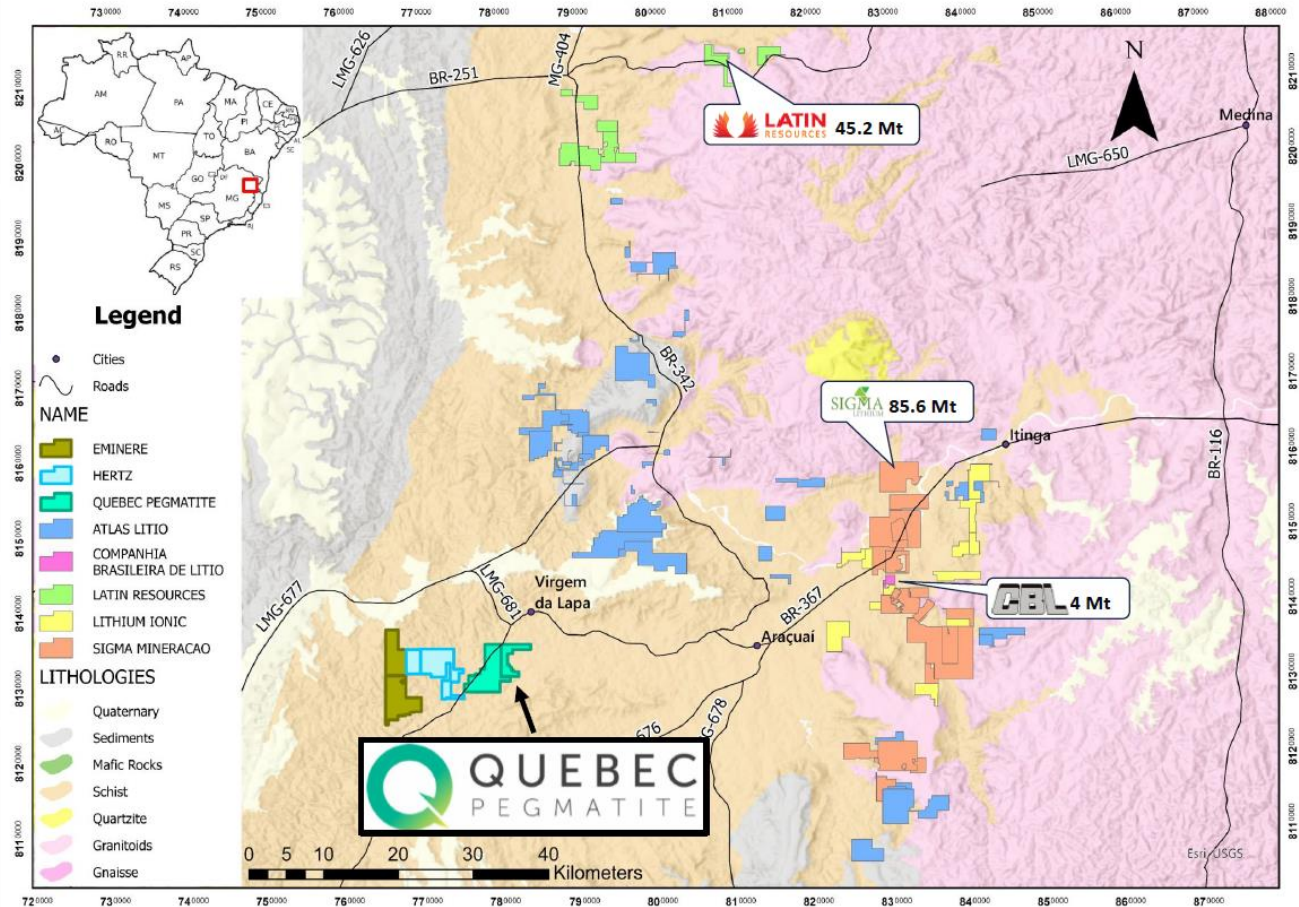
Additionally, it is located in the same district as Sigma Lithium Corp.'s Grota do Cirilo project, the largest lithium hard-rock deposit in the Americas which began producing in April 2023, as well as CBL's Cachoeira mine, which has been producing lithium since 1991. Rio Tinto has also recently acquired early-stage lithium exploration projects in this region.

Brazil's Minas Gerais state boasts excellent infrastructure, including access to highways, hydroelectrical grid power, water, and nearby commercial ports.



BRAZLI 1 PROPERTY DETAILS

- Brazli 1 property is prospective for Lithium (Li), Gold (Au) other pegmatite derived minerals such as tantalite, columbite and beryl.
- Minas Gerais state forms part of the Eastern Brazilian pegmatite province (EBPP), which is home to high-quality lithium-bearing minerals, spodumene and petalite. The EBPP is one of the most significant granitic pegmatite provinces in the world and hosts important industrial minerals, including quartz, feldspar, mica, and beryl.
- The Project is in the Araçuaí Pegmatite District (APD) within the EBPP where the pegmatites are hosted by supracrustal rocks composed of mica schist from the Salina Formation. The rocks are intruded by Neoproterozoic granitic bodies and are a source of volatile mineralizing fluids.
- Lithium mineralization is believed to occur within a halo of pegmatite dikes and apophyses that have formed within the rocks surrounding the Neoproterozoic granitic intrusions. The mineralized pegmatites in the region are dispersed along a complex and crosscutting system of northeast- and northwest-oriented faults that were exploited by the dikes.



REGIONAL PROJECTS IN BRAZIL



Sigma Lithium (NASDAQ: SGML, TSXV: SGML) is a company dedicated to powering the next generation of electric vehicle batteries with environmentally sustainable and high-purity lithium. Phase 1 of the project is expected to produce 270,000 tonnes of Green Lithium annually (36,700 LCE annually). Phase 2 & 3 of the project are expected to increase production to 766,000 tonnes annually (or 104,200 LCE annually). Current market cap ~\$5 billion CDN.



Latin Resources (ASX:LRS) is a company focused on its flagship Salinas Lithium Project in the pro-mining district of Minas Gerais Brazil, where the Company has defined a total Mineral Resource Estimate at its Colina Lithium Deposit of 45.2Mt @ 1.34% Li₂O, reported above a cut-off of 0.5% Li₂O. Current market cap ~\$950 million AUD.



Lithium Ionic (TSX-V: LTH) is a company focused on advancing its flagship Itinga and Salinas projects. Located in Minas Gerais state, Brazil, the Company's properties span 14,182 hectares in this prolific lithium province and mining-friendly state. A 30,000-metre drilling program was initiated in late 2022 at two primary targets within its Itinga Project, Bandeira and Galvani, for which results will culminate in an initial mineral resource estimate, which is expected in Q2 2023. Current market cap ~\$275M CDN.



Companhia Brasileira de Lítio (CBL) operates its underground mine called Mina da Cachoeira with a reserve of 4 million tons and capacity to produce 42,000 tons per year of Spodumene concentrate (5.5% Li₂O) and has been doing so since 1991.

MANAGEMENT TEAM

MICHAEL STIER – CEO & DIRECTOR



Educated in business management & finance, Mr. Stier has spent the past 15 years focused on and building expertise in the capital markets. Experienced in corporate structure, finance, business development, IPO's, M&A, and wealth management, Mr. Stier served as a CIBC IROC licensed Senior Financial Advisor, senior analyst for a private equity company and more recently holds executive and directorship roles with private companies and publicly listed issuers. He has consulted in industries including mining, oil & gas, fintech, VR, eSports, health, life sciences and biotech. Mr. Stier acts for several other entities, including Independent Director of Rektron Group Inc., CEO & Director of New Leaf Ventures Inc. (CSE: NLV) and is a Co-Founder and former CEO & Director of Optimi Health Corp. (CSE: OPTI).

HARRY NIJJAR - CFO



Mr. Nijjar is currently a Managing Director with Malaspina Consultants Inc. and provides CFO and strategic financial advisory services to his clients across many industries. This experience has allowed him to help his clients successfully navigate regulatory and financial environments within which they operate. Mr. Nijjar holds a CPA CMA designation from the Chartered Professional Accountants of British Columbia and a BComm from the University of British Columbia.

KAL MALHI - CHAIRMAN



Mr. Kal Malhi is an experienced entrepreneur and the Founder of Bullrun Capital. He has fundraised \$300M+ in capital for startup companies, and specializes in working with academia to advance impactful technology.

LANA EAGLE - VP INDIGENOUS AFFAIRS



Lana Eagle is an Indigenous relations strategist and a Social Innovator and will advise Quebec Pegmatite Corp. on how to better engage and work with Indigenous communities. Her background is in banking, economic development, wealth management and mineral exploration.

Lana is a pioneer for Aboriginal women in being one of the first to chair a mineral exploration company in Canada. In 2017 she was elected to the Board of the Association for Mineral Exploration (AME) BC, where she was the founder and co-chair of AME's Gathering Place. She is a Program Advisory Committee Member for Mining and Mineral Exploration at the BC Institute of Technology. She is a Director and Vice Chair of the Board of Geoscience BC and also serves as a Director of the Prospectors and Developers Association of Canada.

TECHNICAL TEAM



DAVID R LENTZ P.GEO

David R. Lentz (PGeo) received his B.Sc. (1983) and M.Sc. (1986) degrees in geology from the University of New Brunswick (UNB) in Fredericton. He completed a PhD (1992) at the University of Ottawa and then worked with the Geological Survey of Canada for three years. In 1994, Lentz joined the New Brunswick Geological Survey as their mineral deposits geologist. Since 2000, he has held the Research Chair in Economic Geology at UNB and his research group, with a research focus on ore-forming systems worldwide, including granophile element deposits, like various pegmatite systems, including Lithium-rich systems.



TYLER FIOLEAU P.GEO

Mr. Fiolleau is currently a Senior Geologist with Axiom Group. Tyler received his B.Sc. from the University of Saskatchewan in Geological Sciences and has been actively involved in the mineral exploration industry for over 16 years. Tyler has extensive experience with various commodities including Gold, Uranium and VMS style deposits. He is a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS).

Tyler has managed multifaceted greenfields to advanced brownfields drilling projects in Western Canada at many scales in both private and corporate sectors. He has considerable experience in project management at various stages of exploration, including geotechnical analysis, directional definition drilling, GIS, technical reporting, and compilation.



CAROLINE RICHER P.GEO

Caroline Richer, MSc, PGeo is an exploration geologist and mining technology instructor with a comprehensive field, technical and academic background. She has vast knowledge in data management, GIS and project management. Ms. Richer has led successful geologic mapping, campaigns for government and mineral exploration projects in Quebec, Ontario, Newfoundland, Yukon, and Nunavut. She holds a M.Sc from New Brunswick University focused on the geochemistry of pegmatites in the Pontiac region, Quebec. She is a program coordinator for the Collège Communautaire du Nouveau-Brunswick (CCNB).



RYAN VERSLOOT P.GEO

Ryan brings a broad range of skills to the team gained from 13 years of mineral exploration experience with a more recent focus on the Yukon. His hobby as a drone pilot adds technical and promotional value to all properties he visits. He attended the University of Waterloo and the University of British Columbia and is registered as a Geoscientist In Training in British Columbia & Quebec.



PIETER DU PLESSIS P.GEO

Pieter is a Professional Geoscientist with education and experience in geology, chemistry, soil science, applied mathematics, statistics, terrain evaluation and satellite analysis, business administration, mineral exploration, mining, project management and corporate strategy. He also developed and applied Machine and Deep Learning models for a variety of exploration, agricultural, forestry and environmental rehabilitation applications.

Pieter provides the Axiom Group with critical expertise for enhanced performance and efficiency in mineral exploration, advanced data analytics, data forecasting, project management, strategic operations and planning, financial modelling, probabilistic risk modelling, mining and milling portfolio optimization, mineral resource management and more.

GEOLOGICAL CONSULTANTS

Axiom Exploration Group's team of diverse Geoscientists employs experience gained across 15 countries and 6 continents providing geological expertise. Our Geoscientists are equipped with the latest industry knowledge and tools to provide our clientele with the most reliable and accurate data possible. From the initial design, operation, and management of grass-roots exploration programs to the optimization of advanced projects, Axiom Group can confidently meet all your company's requirements to the highest of standards.

Driving discovery through innovative and professional geoscientific services, Dahrouge Geological Consulting is a North American mineral exploration, consulting, and project management group based in Canada and the United States fit to provide professional geological, logistical, and project management services to the world's mining and mineral resource industry. They are proven lithium project finders, led by principal Jody Dahrouge. The Dahrouge family were one of the vendors of Patriot's Corvette Project in James Bay and remain exploration consultants to Patriot Battery Metals.



CAPITAL STRUCTURE

		COMMON SHARES
QUEBEC PEGMATITE CORPORATION		11,000,000
TARGET RTO ENTITY		10,139,366
PROPOSED \$0.25 PRE-LISTING FINANCING*		4,000,000
	DILUTED	25,139,366
WARRANTS**		9,439,366
	FULLY DILUTED	34,578,732

*Proposed \$0.25 unit offering with half warrant at \$0.35 for 24 months

**Proposed warrants at time of listing (7.4M at \$0.11 and 2M at \$0.35)

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THANK YOU

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APPENDIX II - WORK PROGRAM

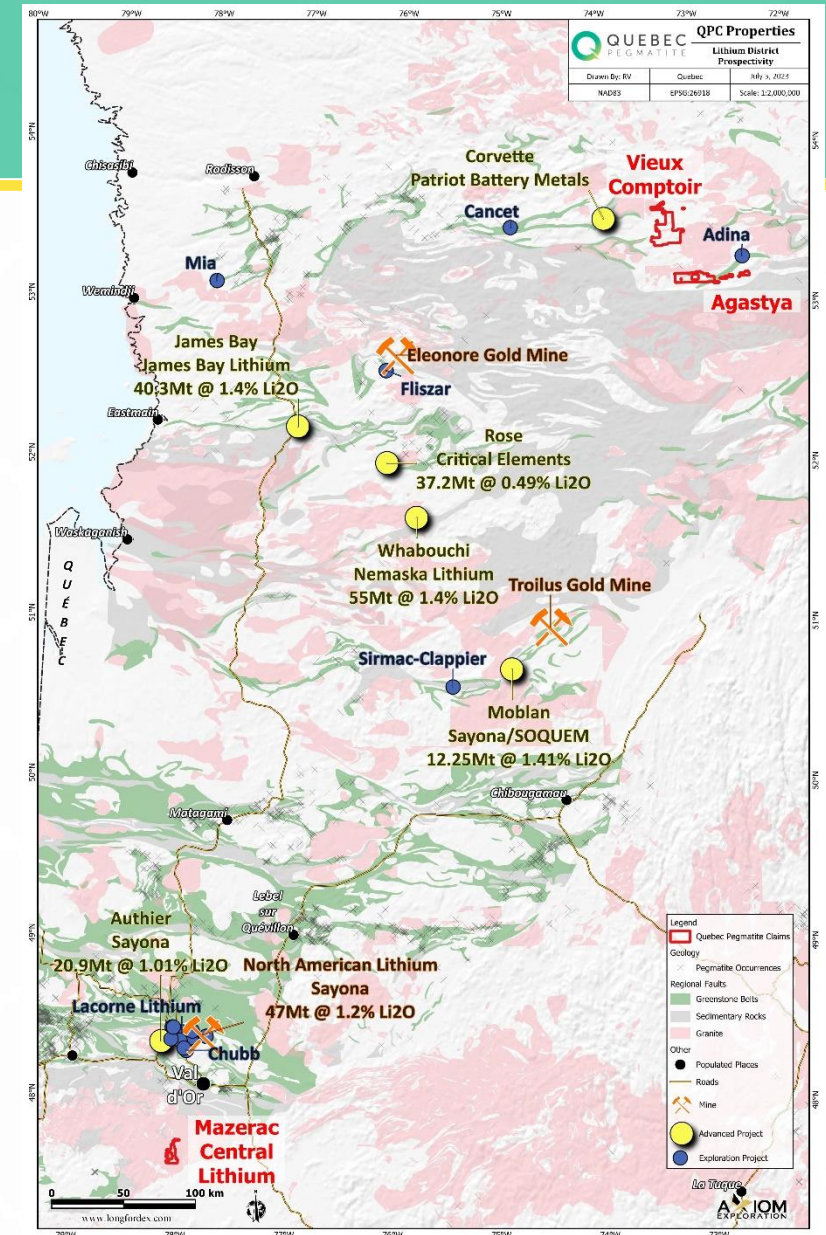
Phase 2:

Two-to-four-week prospecting, mapping and sampling program including a 4-man crew to complete the systematically driven ground exploration targets generated from phase 1.

Work to be complimented with real time XRF, Radiometrics, and Libs analysis to quickly analyse and promote favourable targets for follow up channel sampling with detailed mapping.

Potential winkie (lightweight/compact) drill testing on identified pegmatites Phase 2 lab results with data interpretation and targeting

Contingent upon the field exploration success in Phase 2, the Company is holding contingency to follow up high priority targets with preliminary diamond drilling in 2024.



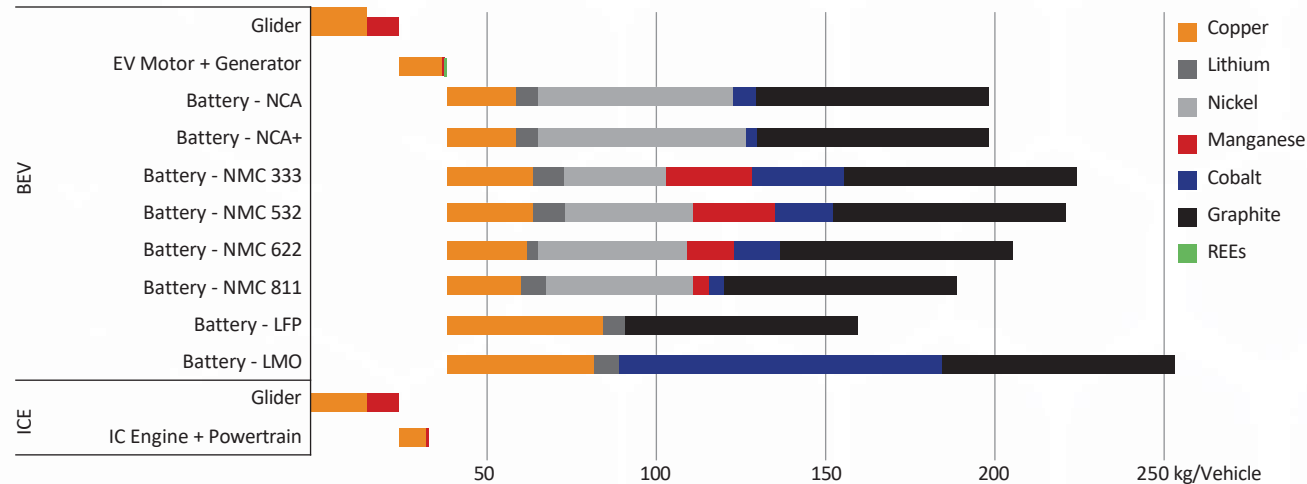
APPENDIX III - LITHIUM VALLEY INITIATIVE



- The government of Minas Gerais has launched the **Lithium Valley Brazil initiative (Vale do Lítio)** with the aim of developing cities in the Northeast and North regions of the state around the lithium production chain. The launch took place at an event held at the **Nasdaq stock exchange**
- The cities included in the Lithium Valley are **Araçuaí, Capelinha, Coronel Murta, Itaobim, Itinga, Malacacheta, Medina, Minas Novas, Pedra Azul, Virgem da Lapa, Teófilo Otoni, Turmalina, Rubelita, and Salinas**. According to the government of Minas Gerais, these municipalities host the **largest national lithium reserve**, a mineral used in various applications, with the most important being the manufacturing of long-lasting batteries for electric vehicles. **Announced in New York City on May 9, 2023.**

APPENDIX IV - LITHIUM OPPORTUNITY

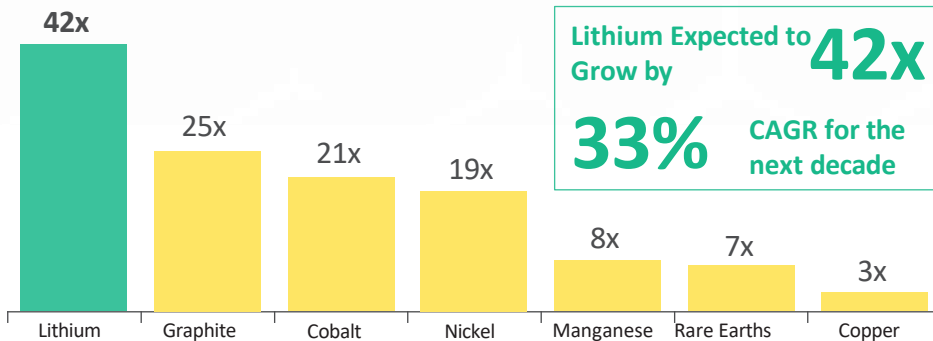
EVs use ~6x more minerals than conventional vehicles¹



Growth of selected minerals, 2040 relative to 2020²

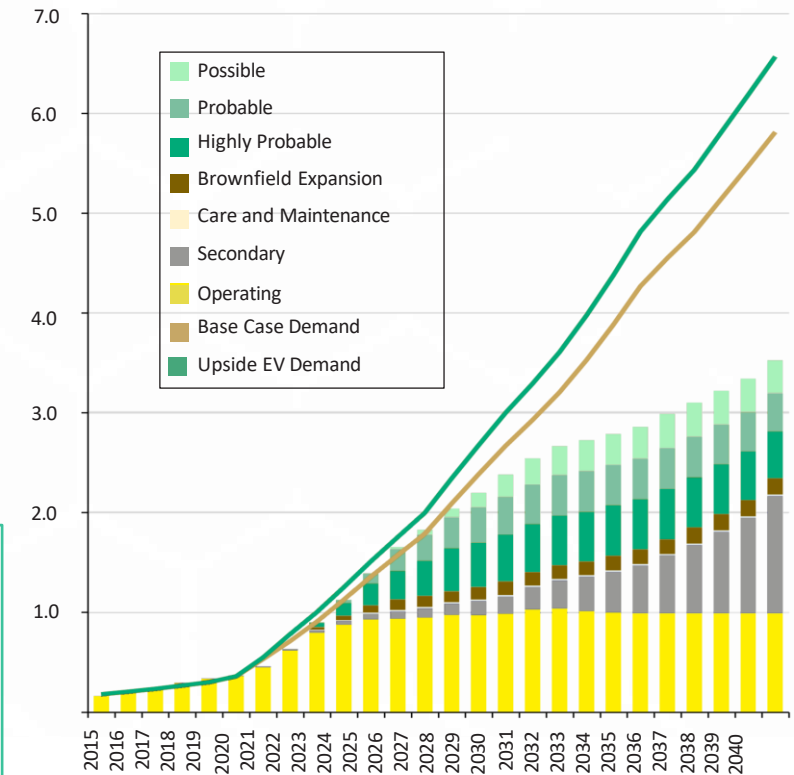
Sustainable Development Scenario (SDS)

Index (2020=1)



The demands for a competitive and sustainable battery manufacturing industry have limited substitutes for lithium, a critical gap in the supply chain resulting in a lithium supply deficit of 20% to 55% by 2030^{4,5}

Lithium Market Supply / Demand Balance³ (Mt LCE)



Sources:

1. IEA, "The Role of Critical Minerals in Clean Energy Transitions", May 2021
2. Based on data provided by IEA, "The Role of Critical Minerals in Clean Energy Transitions", May 2021; if governments are to achieve emissions reductions targeted under the Paris Agreement, the IEA estimates that the increase in demand for lithium will be 41.8 times the demand from 2020
3. Benchmark Mineral Intelligence, Lithium Forecast, Q4 2022
4. McKinsey & Company, "Resilient, sustainable, and circular", January 16, 2023
5. Based on Albemarle's investor presentation, "2023 Strategic Update", January 23, 2023

APPENDIX V - LITHIUM AND ITS USES

Lithium is an element, a soft, silvery-white alkali metal, found within minerals and hosted in igneous rock.

Lithium is on the Critical Materials list created by government administrations throughout the world. It plays a crucial role in the industrial supply chain with western countries striving to secure significant resources and reduce its reliance on China.

The hard-rock method extracts lithium directly from pegmatites, with common surface mining techniques. Mineralized pegmatites are crushed, milled, and separated according to ore mineral identification which can then be processed into lithium carbonate or lithium hydroxide, the compound preferred by EV battery manufacturers.

Lithium is primarily used for Lithium-ion and Lithium Iron Phosphate (LFP) Batteries for the electric vehicle and energy storage markets.

Additional applications include:

- Ceramics
- Glasses
- Lubricating Greases
- Medicine
- Air Purification
- Lithium Alloys
- Military Applications

