

CriticalElements
Corporation



Lithium Charged

TSX-V:CRE

WWW.CECORP.CA

April 2016

Forward-Looking Information: This presentation contains "forward-looking information" within the meaning of Canadian securities legislation. All information contained herein that is not clearly historical in nature may constitute forward-looking information. Forward-looking information includes, without limitation, statements regarding the results of the Preliminary Economic Assessment including statements about the projected IRR, NPV, payback period and future capital and operating costs, the availability and access to hydroelectric power, projected annual rate of lithium and tantalum production, the estimation of mineral resources, the market and future price of lithium and tantalum, permitting and the ability to finance the project. Generally, such forward-looking information can be identified by the use of forward-looking terminology such as "plans", "expects" or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "does not anticipate", or "believes", or variations of such words and phrases or state that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved". Forward-looking information is based on certain factors and assumptions management believes to be reasonable at the time such statements are made, including but not limited to, continued exploration activities, lithium, tantalum and other commodity prices, the estimation of initial and sustaining capital requirements, the estimation of labour and operating costs, the estimation of mineral resources, the assumption with respect to currency fluctuations, the timing and amount of future exploration and development expenditures, receipt of required regulatory approvals, the availability of necessary financing for the project, the completion of the environment assessment process, permitting and such other assumptions and factors as set out herein. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Company to be materially different from those expressed or implied by such forward-looking information, including but not limited to: volatile stock price; risks related to changes in lithium and tantalum prices; sources and cost of power facilities; the estimation of initial and sustaining capital requirements; the estimation of labour and operating costs; the general global markets and economic conditions; the risk associated with exploration, development and operations of mineral deposits; the estimation of mineral resources; the risks associated with uninsurable risks arising during the course of exploration, development and production; risks associated with currency fluctuations; environmental risks; competition faced in securing experienced personnel; access to adequate infrastructure to support mining, processing, development and exploration activities; the risks associated with changes in the mining regulatory regime governing the Company; completion of the environmental assessment process; risks related to regulatory and permitting delays; risks related to potential conflicts of interest; the reliance on key personnel; financing, capitalization and liquidity risks including the risk that the financing necessary to fund continued exploration and development activities at the Rose Lithium-Tantalum Project may not be available on satisfactory terms, or at all; the risk of potential dilution through the issue of common shares; the risk of litigation. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in the forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such forward-looking information. Accordingly, readers should not place undue reliance on forward-looking information. Forward-looking information is made as of the date of this presentation, and the Company does not undertake to update such forward-looking information except in accordance with applicable securities laws.

Currency Presentation: Unless indicated otherwise, all dollar figures are in Canadian dollars.

Cautionary Statements Regarding Mineral Resource Estimates: Mineral resources, which are not mineral reserves, do not have demonstrated economic viability. Environmental, permitting, legal, title, taxation, sociopolitical, marketing, or other relevant issues may materially affect the estimate of Mineral Resources. In addition, there can be no assurance that Mineral Resources in a lower category may be converted to a higher category, or that Mineral Resources may be converted to Mineral Reserves.

Quality Control and Assurance: The scientific and technical content of this presentation was reviewed and approved by the Company's President, CEO and shareholder, Jean-Sébastien Lavallée, P.Ge., who is a Qualified Person within the meaning of National Instrument 43-101.

Sources of Information: Information and data such as market prices, volumes and information on comparable development companies' projects were obtained from public sources such as press releases, technical reports and different industry publications.

Trading Symbol:

TSX-V: CRE

Frankfurt: F12

OTCQX: CRECF

Share Structure: 125,9 MM (\$0.325)

Warrants: 2,5 M at \$0.35

Fully diluted: 134.9 MM

Market Cap: \$40,9 M

Management & Directors ownership: ≈20%

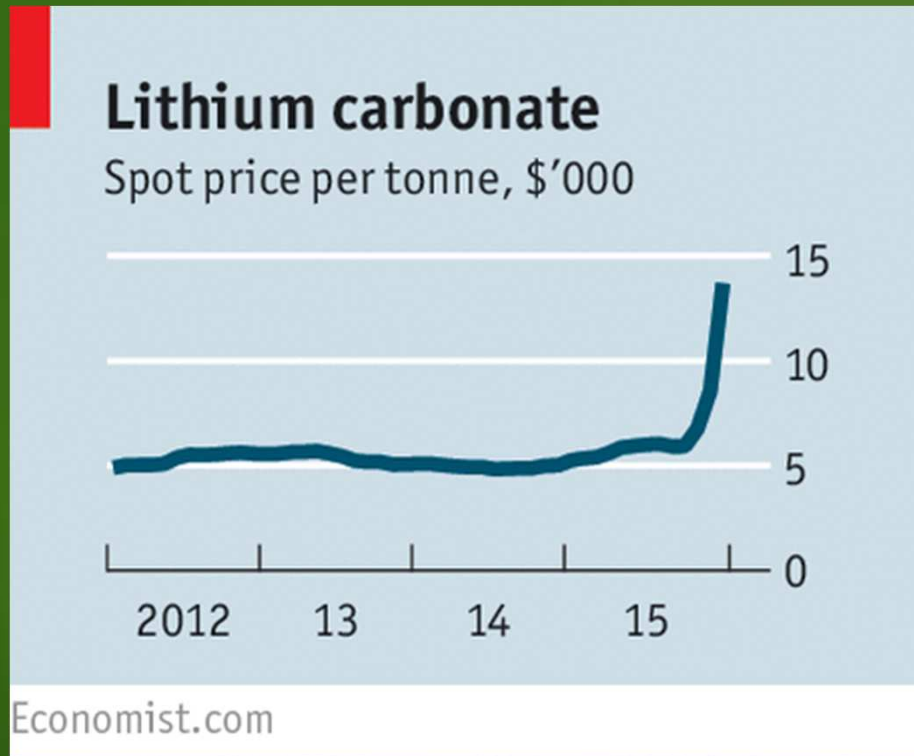


Board and Management:

- Jean-Sébastien Lavallée, P.Geo, President & CEO
- Jean-François Meilleur, Vice-President
- Jean-Raymond Lavallée, director
- Richard Saint-Jean, director
- Matthew Lauriston Starnes, director
- Marc Simpson, director
- Nathalie Laurin, CFO & Secretary

Lithium The Only commodity in demand

- **High growth for battery grade lithium**
- **Limited scalability from current producers**
- **Double digit growth factor for the next 5 years**
- **Not all deposit can deliver high purity at low cost**



Jean-Sébastien Lavallée, President & CEO / Mr. Lavallée has been active in mining exploration since 1994. He is the vice president of Consul-Teck Exploration Inc., a consulting firm of Val-d'Or founded in 2003 that specializes in mining exploration in northern areas. Most of the firm's mandates involve the generation and execution of projects in remote areas. Mr. Lavallée has acted as a geologist for many companies, including Eloro Resources Ltd., Uracon Resources Ltd., Agnico-Eagle Mines Ltd., Noranda Minerals Inc., Champion Minerals Inc., Matamec Explorations Inc. and Argex Mining Inc. Having been responsible for the planning and execution of many exploration programs in recent years, Mr. Lavallée has acquired a solid experience in exploration project development.

Jean-François Meilleur, Vice-President / Mr. Meilleur is presently President and co-owner of Paradox Public Relations. His many accomplishments include playing a key role in raising funds for many projects. Mr. Meilleur holds a Bachelor's Degree from the HEC business school (Hautes Études Commerciales) in Montreal, with a specialization in marketing and finance. Mr. Meilleur previously worked as a trader at Swiftrade, and has extensive knowledge of the financial markets.

Jean-Raymond Lavallée, Director / Mr. Lavallée has more than 30 years of experience in mining exploration, as contractor, consultant and manager for several mining companies, such as Louvem, Soquem, James-Bay Development Corporation, Sullivan Consolidated, Cache Explorations Inc., Parquet Resources, Dumont Nickel Corporation, Westminer Canada Ltd, Baribec Management Inc., Exploration Ojibway Inc. and others. He was also controller for Mines Expert Inc., during the construction of the Doyon Mine. Mr. Lavallee is currently president of Consul-Teck Exploration, a consulting firm of Val-d'Or founded in 2003 that specializes in mining exploration in northern areas.

Richard Saint-Jean, Director / Mr. Richard Saint-Jean is a metallurgist technician with over 20 years of mining experience. He is currently the General Director for BlackRock Metals Inc., a private iron ore mining company. Previously, he was Mill Manager for the Troilus open pit gold/copper mine in Chibougamau, where he worked for over 14 years. He has worked on four mill start-ups: Meston Resources, Graphicor mine, Cambior mine and Troilus mine. At Troilus, he participated in the two mill expansions as well as the Closure plan. He has worked closely with the First Nation including the Cree communities for over 15 years.

Marc Simpson, Director / Mr. Marc Simpson is President and Chief Executive Officer of Uracon Resources. Mr. Simpson has worked in the mining and exploration industry for over 23 years. He has worked for Junior, Mid-tier and Senior mining companies on projects both in Canada and worldwide, including Bema Gold (sold to Kinross for CDN\$3.5 billion in 2007), B2Gold, and Echo Bay Mines. Mr. Simpson has been involved in exploration and mining projects from grass roots exploration through to mine development and production. Mr. Simpson obtained his B.Sc. in Geology from the University of Manitoba and is a member of Association of Professional Engineers and Geoscientists of British Columbia and Association of Professional Engineers and Geoscientists of the Province of Manitoba.

Matthew Lauriston Starnes, Director | Mr. Lauriston Starnes is a lawyer with over 17 years of experience and the capacity to work in all areas of law, including civil law, common law, contract negotiation and drafting, arbitration, taxes and permits and government relations. Mr. Starnes is currently legal counsel for Sumitomo Corporation's Mineral Resources Division in Tokyo, Japan. Among other things, he was responsible for negotiating the joint venture agreement with a Canadian partner, the financing agreement with Japanese lenders and offtake and distribution agreements with Japanese and other worldwide buyers for the Sierra Gorda project in Chile. He was also responsible for negotiating power, railway, port and transportation infrastructure agreements and helping the proponents establish good governance procedures for the project. He is also part of the team for the Ambatovy project in Madagascar, where he participated in preparing for completion, settlement negotiation with Korean contractors and sits on a number of committees. Prior to joining Sumitomo, he also was the General Counsel and Deputy CEO for the Ambatovy project. Mr. Starnes has also practiced as a corporate lawyer with major law firms in Montreal.

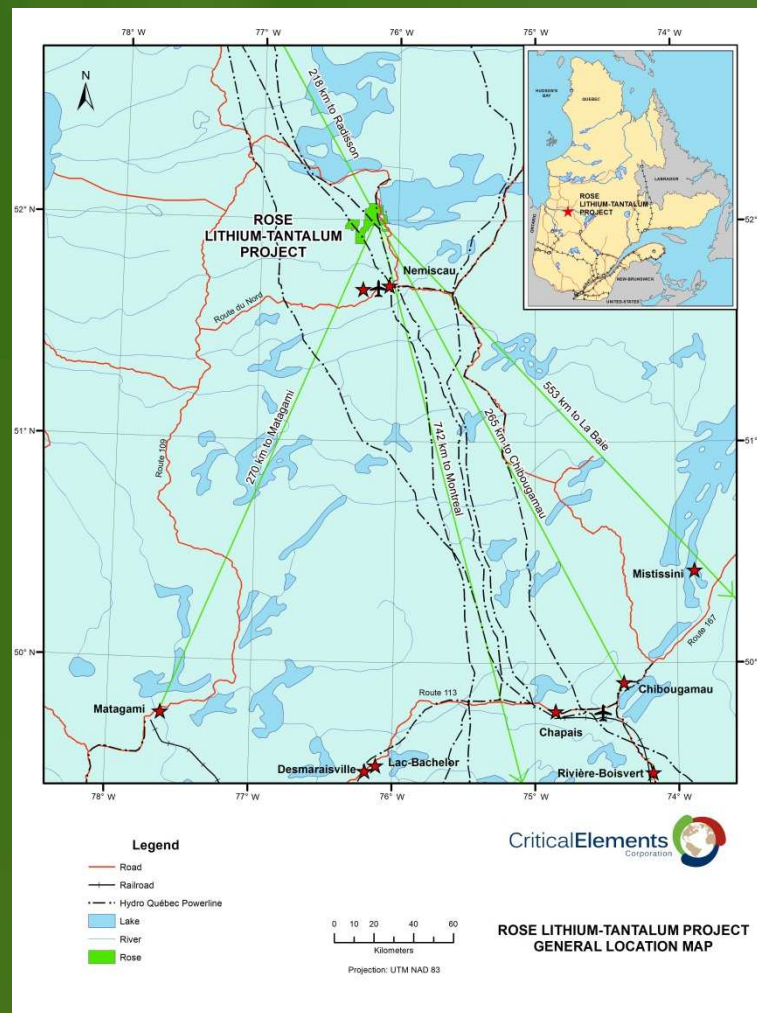
David J. Buckley, Chief Processing Operator | Mr. David J. Buckley graduated from Virginia Polytechnic Institute in 1976 with a B.S. in Chemical Engineering. He was the Corporate Process Engineer working to support inorganic, brine-based chemical production processes for finished products, including lithium carbonate, lithium hydroxide and lithium chloride, for Rockwood Lithium Inc. from 2006 to 2015. He acted as Lead Process Engineer on a design team for a battery-grade lithium expansion in Chile and he provided process design for a new lithium hydroxide plant for Rockwood Lithium utilizing the traditional carbonate and lime method. Subsequently, he acted as a contractor for Southern Design Services and PenPower from 2004 to 2006. He was also Engineer Associate and Senior Process Engineer for FMC Lithium from 1992 to 2004 where he was acting as the primary engineering resource for inorganic lithium salts production at the main chemical plant. He developed and executed the design for control of the waste stream from the lithium hydroxide of this plant.

PROJECT INFRASTRUCTURE

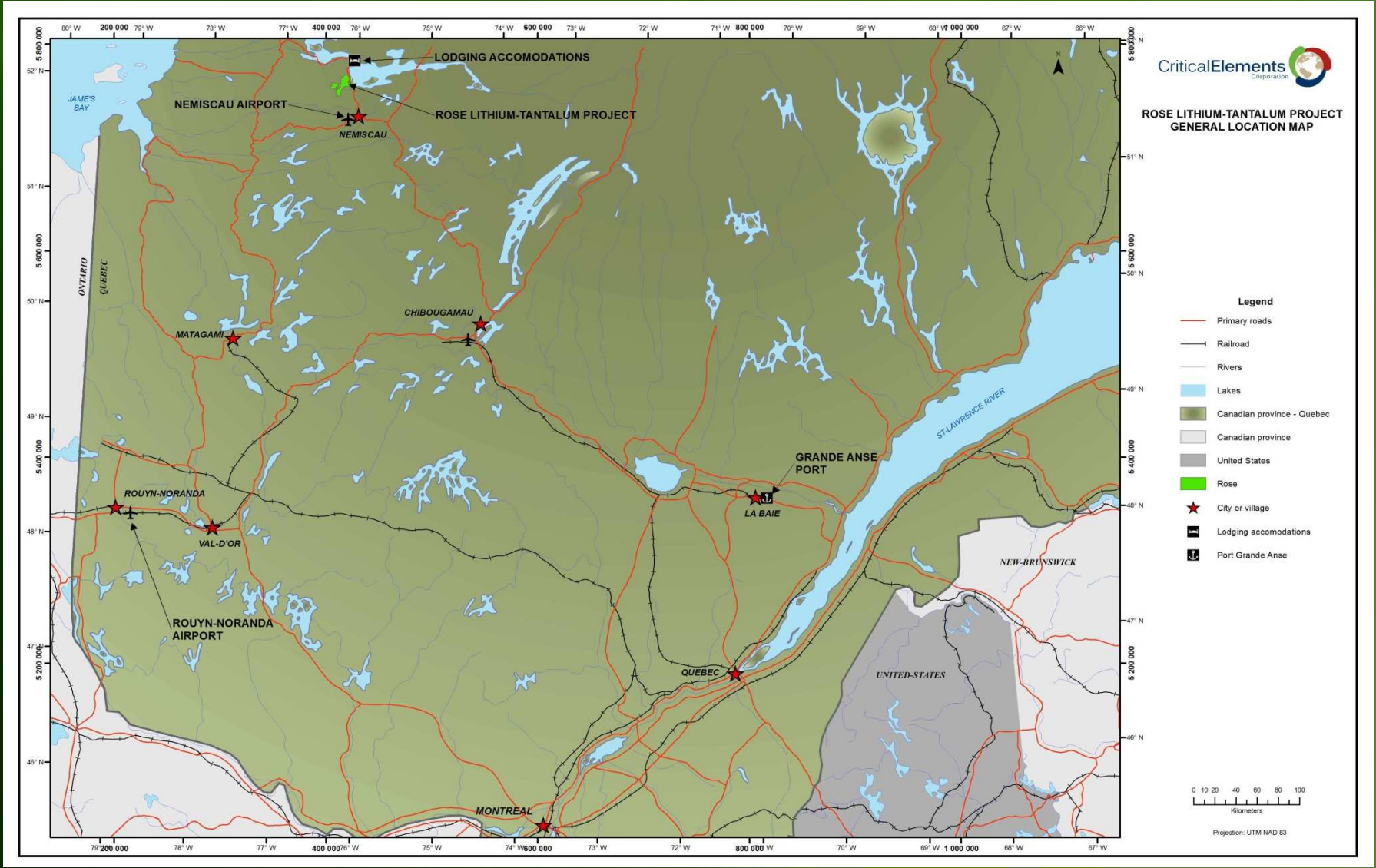
- PROJECT LOCATION: Quebec, 75 km due south of Goldcorp's Eleonore Gold Deposit
- 35 km north of Nemiscau, road access, airport
- Power line directly on the project
- 100 Ton capacity road 100 m from site
- Mining Camp available 30 km from site
- Quebec is ranked 6th in the world for mining investments*
- \$300MM Government tax credit for 2nd-3rd mineral transformation
- PDA signed with Eastmain Cree Community

FEASIBILITY STUDY CONTRACTORS

ENGINEERING FIRM	DEPARTMENT
AMBUCK	Mining
GENIVAR	Environmental/Infrastructure
BUMIGENE / SGS Lakeland	Metallurgical process/ Flow-Sheet/ Transformation process
SECOR	Plant location strategy
AMEC	Tailings



*Source: <http://www.marketwired.com/press-release/fraser-institute-quebecs-mining-reputation-rebounds-international-mining-survey-1994262.htm>



HIGHLIGHTS OF THE PRELIMINARY ECONOMIC ASSESSMENT STUDY :

Highlights of the Preliminary Economic Assessment Study Include:

The financial analysis of the Rose Project was based of price forecasts of US\$260/kg (\$118/lb) for Ta₂O₅ contained in a tantalite concentrate and US\$6,000/t for lithium carbonate (Li₂CO₃).

The pre-tax Internal Rate of Return (IRR) of the Rose Project is estimated at 33%, with a Net Present Value (NPV) of CA\$488 million at an 8% discount rate. The payback period is estimated at 4.1 years. The after-tax Internal Rate of Return (IRR) of the Rose Project is estimated at 25%, with a Net Present Value (NPV) of CA\$279 million at an 8% discount rate.

Project IRR	
Pre-tax	33%
After-tax	25%

Discount Rate	NPV (before taxes)	NPV (after taxes)
0%	1 078 611 885 CA\$	665 122 755 CA\$
5%	651 789 479 CA\$	387 145 131 CA\$
8%	488 360 406 CA\$	279 358 227 CA\$
10%	403 744 658 CA\$	223 097 949 CA\$
12%	333 626 451 CA\$	176 175 210 CA\$

The economic analysis is based on a mine life of 17 years, estimated capital costs of CA \$268.6 million and operating costs of CA \$67.65/tonne of ore milled. Ongoing capital investment was estimated at CA \$36.8 million. Calculations include contingencies of 10% and assumed parity between the Canadian and the American dollars.

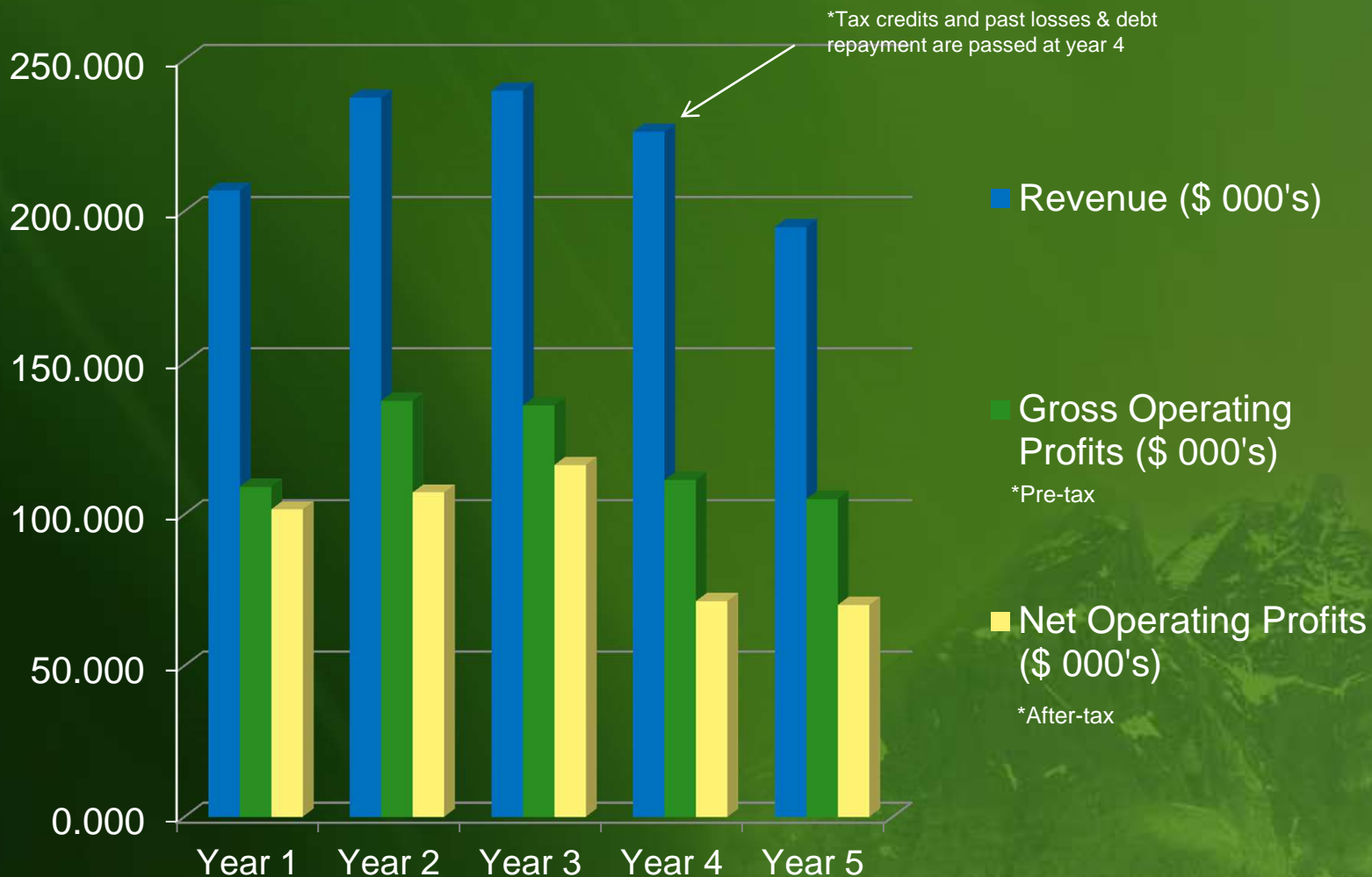
ROSE – NPV & IRR commodity price sensitivity

NPV*		Lithium carbonate price per tone				
		(US\$MM)	\$4,500	\$6,000	\$8,500	\$10,000
Tantalum price per pound	\$100	\$95.3	\$453	\$1,051	\$1,409	
	\$118	\$129	\$488	\$1,085	\$1,444	
	\$135	\$163	\$522	\$1,119	\$1,477	
	\$155	\$202	\$561	\$1,158	\$1,517	

IRR		Lithium carbonate price per tone				
		(US\$MM)	\$4,500	\$6,000	\$8,500	\$10,000
Tantalum price per pound	\$100	14.4%	31.5%	52.1%	62.5%	
	\$118	16.5%	33.0%	53.3%	63.6%	
	\$135	18.4%	34.3%	54.4%	64.7%	
	\$155	20.5%	35.9%	55.7%	65.8%	

* From an 8% discount rate.

PEA Revenue and Net Operating Profit Projections (first 5 years)



ROSE –NI 43-101 PEA Metrics (continued)

1- Mine / processing / transformation	Open-pit / Flotation / Magnetic / Kiln, leaching, carbonate
2- Open-Pit ore mining rate Average ore processing rate	4,600 t/d 1.5 MM t/y
3- Cash cost per tonne of lithium carbonate (net of tantalum credit)	\$2,900 / t Li ₂ CO ₃
4- Resources (diluted grade at the mill)	24.3 MM t @ 0.89% Li ₂ O, 132 ppm Ta ₂ O ₅
5- Total contained materials	452,306 t Li ₂ CO ₃ 3.5 MM lbs Ta ₂ O ₅
6- Average annual production	26,606 t Li ₂ CO ₃ 206,670 lbs Ta ₂ O ₅
7- Initial mine life	17 years
8- Avg. commodity price	\$6,000 / t Li ₂ CO ₃ \$118 / lb Ta ₂ O ₅
9- Initial capital (CAPEX)	\$268.6 MM
10- Sustaining capital	\$36.8 MM
11- Payback period	4.1 years
12- Operating cost (avg. LOM)	\$67.65/t
13- Royalty	2%
14- Tax rate (On operation profits over LOM)	30%
15- Net Recovery rates	84.8% Li ₂ CO ₃ 50% Ta ₂ O ₅

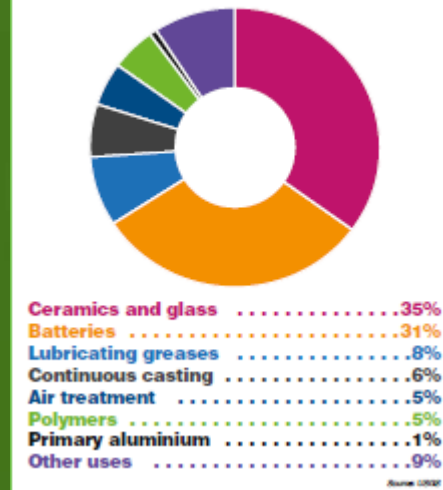
Rose Project Metallurgy Highlights

- Metallurgy work carried by Bumigeme and SGS Lakefield.
- Over 300 composites over the deposit have been tested
- Metallurgical testing based on representative composite sample for the first 8 years of production (selected Holes between Holes LR-09-02 to LR-10-123)
- Lithium concentrate batch flotation reached up to 91.9% recovery with a concentration grade of 6.43% Li₂O. While the average recovery stands at 90.88% with a concentration grade of 6.20% Li₂O
- Low iron content at 0.13% Fe₂O₃ as a solid solution in its crystal structure
- Achieved 99.98% lithium carbonate electric vehicle battery grade
- Bi-Carbonatation transformation recovered up to 96% (based on CRM process) of the Li₂O concentrate. The overall recovery from initial input to finished lithium carbonate stands at 88.2%
- Testing on going to optimize Li₂CO₃ purity and recovery by bi-carbonatation
- Recently improved Ta₂O₅ magnetic recoveries with an average of 77.6% from 50% in PEA
- No Uranium and Thorium in the deposit

Product diversification advantage from the Rose Deposit

- Low-iron spodumene concentrate for the Glass & Ceramic market
- Battery Grade material, with 99.98% purity lithium carbonate
- The battery grade and the glass & ceramic market represents 66% of the lithium demand
- The glass & ceramics and the battery grade products are in high demand with a high value compared to low purity products
- Enables Critical Elements to generate earlier cash flow than other lithium deposits by producing a high value concentrate (for the glass & ceramic) before the chemical transformation to produce battery material.

Global lithium end-use markets 2014 (%)



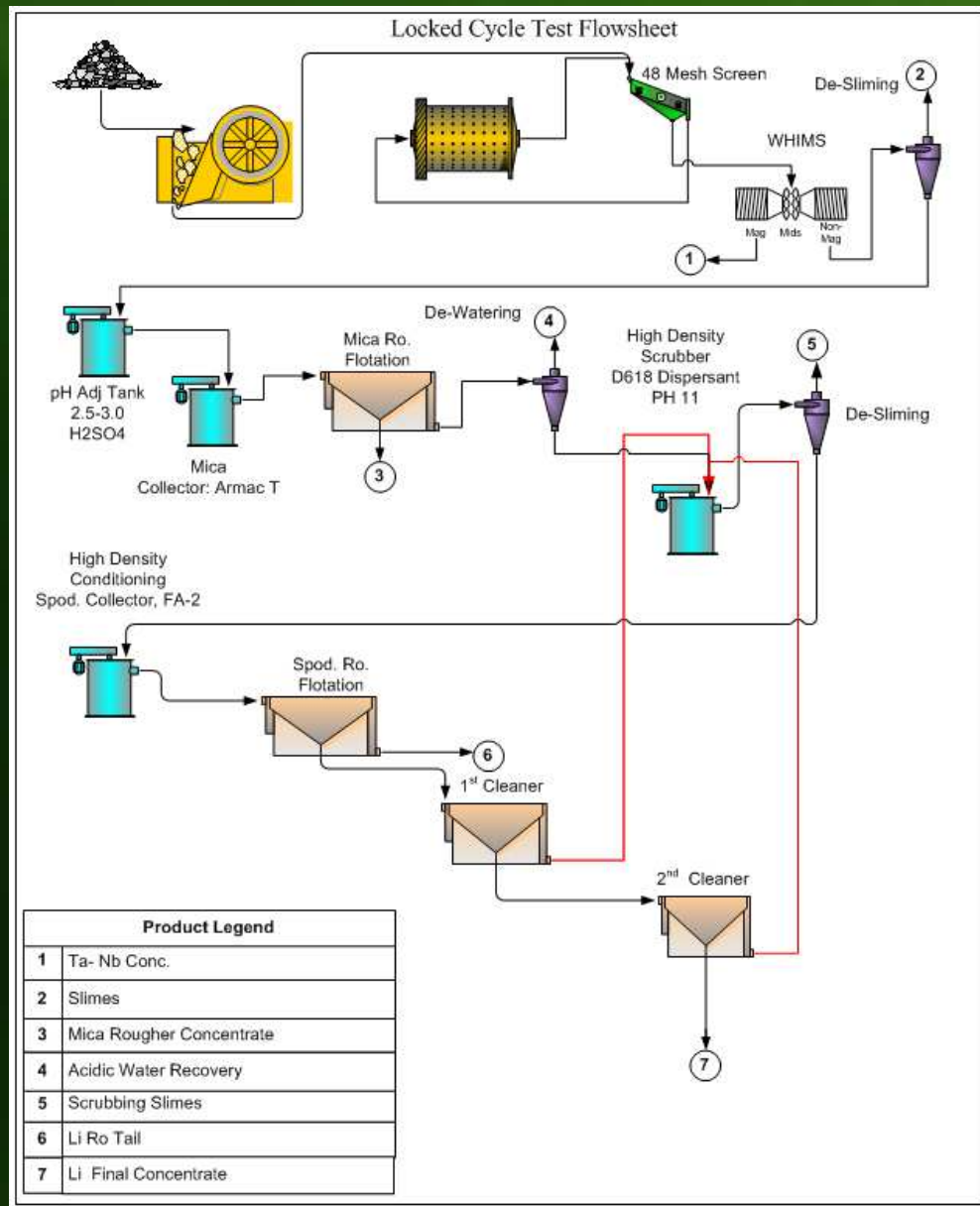
- **High entry Barriers** : The Ceramic & Glass market requires less than 0.2% iron in the spodumene concentrate. The Rose Deposit contain an average of 0.13% Fe_2O_3 as solid solution in its crystal structure and makes the only new source of glass & ceramic material
- Only one current producer for the glass & ceramic market. Most lithium deposits contains more than 1% Fe_2O_3
- Recent mine closure in Canada leaves the Greenbushes deposit in Australia as the only source of low-iron spodumene (**purchased for \$848MM by Tianqi**)

Roasted Lithium spodumene concentrate from Rose



Roasted Lithium spodumene concentrate from other lithium deposits





The early cash flow advantage

1- After crushing and grinding we run the material in a magnetic separator and extract the Tantalum for a first product

3- We make a mica flotation (potential for an additional revenue)

7- We make the low-iron spodumene concentrate for the glass & ceramic market (we intend to sell about 25% of our concentrate at this stage)

With the remaining concentrate we process the chemical transformation to produce battery grade lithium carbonate

Our Partner:

- Representing more than 50 years of history in the chemical industry
- A solid balance sheet
- Aims to be a dominant player in the lithium industry and market

The Agreement includes:

- Take or Pay* off-take for all products produced from the Rose Lithium-Tantalum Deposit, to be executed by the parties
- The partner will provide technical & commercial skills from the feasibility to production
- An option for the partner to acquire up to 25% interest in the project. This reflects the fact that the partner has demonstrated an interest to participate in the mine

The Advantage:

- A Take or Pay off-take is fully bankable
- Supplier & buyer sharing the same goal; maximizing products value (unlike end-users looking to reduce raw material cost)
- World wide freight and distribution power
- Chemical expertise (where all Junior companies production failure was at the chemical plant level)

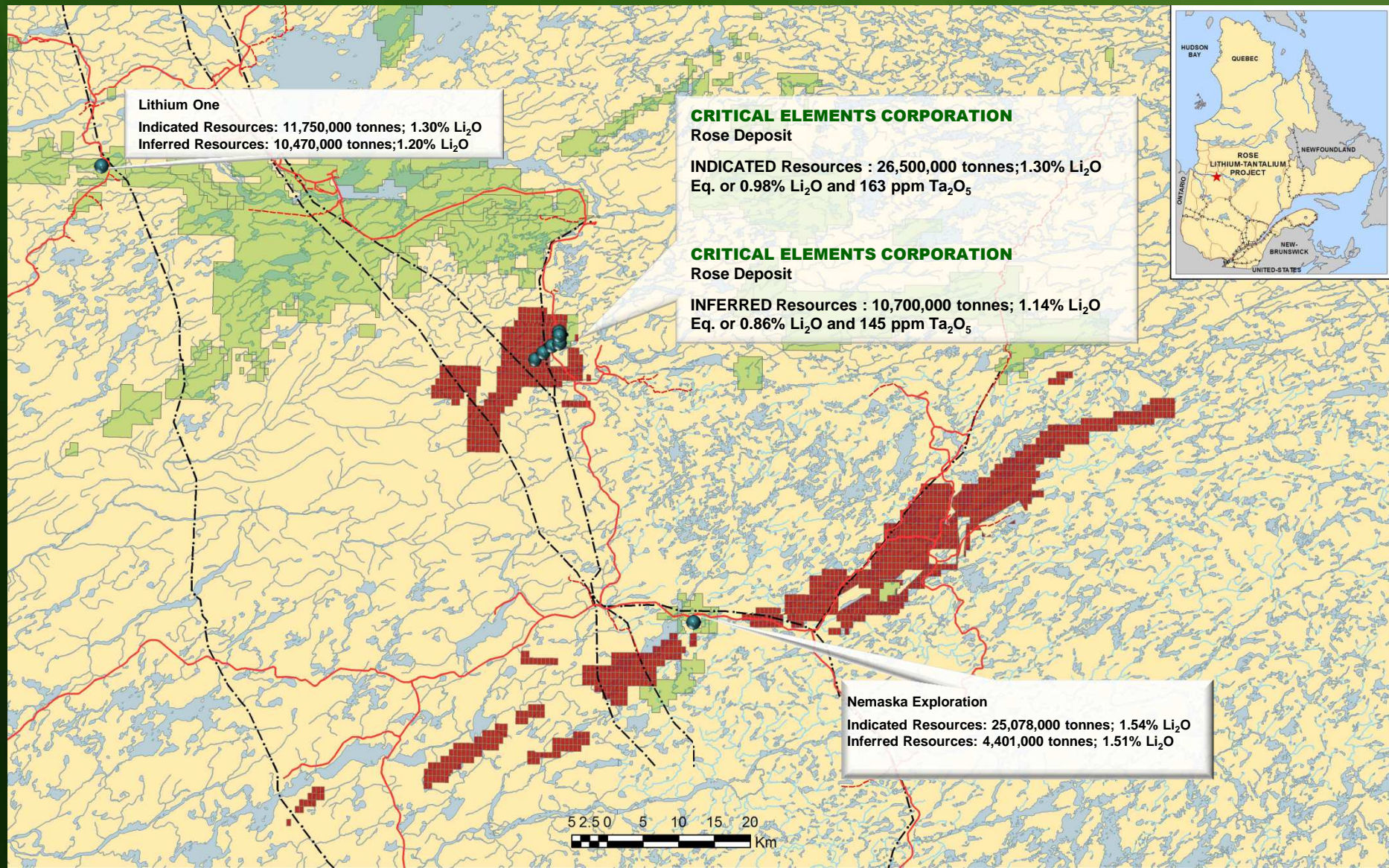
*A **take-or-pay contract** is a rule structuring [negotiations](https://en.wikipedia.org/wiki/negotiations) between companies and their [suppliers](https://en.wikipedia.org/wiki/suppliers). With this kind of contract, the Company either takes the product from the supplier or pays the supplier a [penalty](https://en.wikipedia.org/wiki/penalty). Source: https://en.wikipedia.org/wiki/Take-or-pay_contract

	Tonnes (X 1,000)	Li ₂ O (%) (equivalent)	Li ₂ O (%)	Li ₂ CO ₃ (%) (equivalent)	Ta ₂ O ₅ ppm (g/t)	Ga ppm (g/t)	Be ppm (g/t)	Rb ppm (g/t)
Indicated Resources	26,500	1.30%	0.98%	2.42%	163	66	128	2,343
Total			259,700 t	642,238 t (1,412 M lbs)	4,3 M kg (9,5 M lbs)	1,7 M kg (3,8 M lbs)	3,4 M kg (7,4 M lbs)	62,1 M kg (136,7 M lbs)
Inferred Resources	10,700	1.14%	0.86%	2.13%	145	61	121	1,418
Total			92,020 t	227,565 t (500,6 M lbs)	1,5 M kg (3,4 M lbs)	653,484 kg (1,4 M lbs)	1,3 M kg (2,9 M lbs)	15,2 M kg (33,4 M lbs)

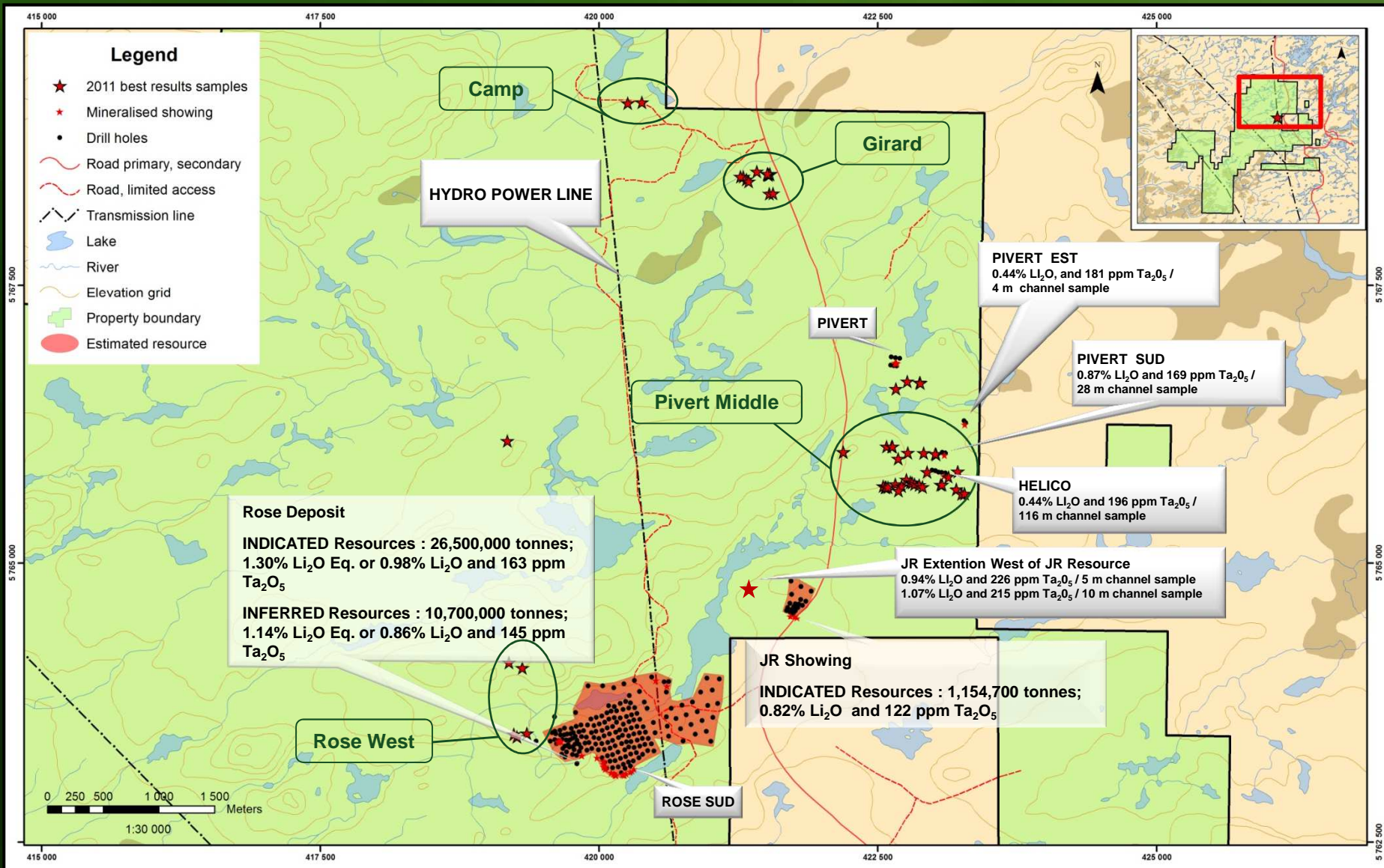
The resource was compiled using a cut-off grade of 41\$/t for the open pit model and 66\$/t for the underground model (taking Li and Ta recovery into consideration) based on the current estimation of the resource and market conditions.

This new indicated resource represents an increase of 131% in tonnage, 129% in Ta₂O₅ and 69% increase in Li₂O. The new inferred resources represent an increase of 393% in tonnage, 418% in Ta₂O₅ and 234 % in Li₂O.

- \$6,000 / tonne of Li₂CO₃ (Source: Canada Lithium Corp. Website)
- \$317 / kg of Ta or \$260 / kg Ta₂O₅ (Source: Commerce Resources Corp. Website)



ROSE DEPOSIT & GROWTH POTENTIAL



Current World Producers:

- SQM: Brine for 47,949 tpy Lithium Carbonate Equivalent
- FMC: Brine for 22,919 tpy LCE
- Albemarle: Brine/Hard rock for 39,204 tpy LCE
- Tianqi: Hard rock for 110,072 tpy LCE
- China Miners (collectively): 15,078 tpy LCE

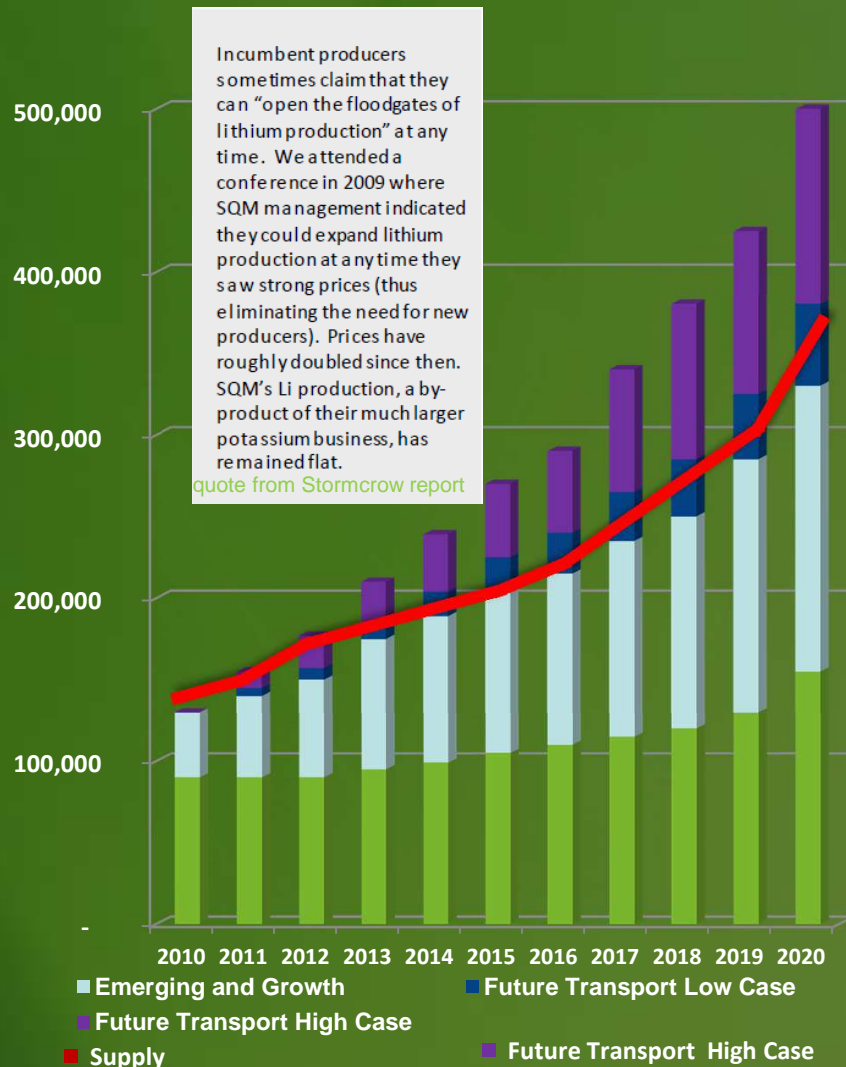
Current World Capacity ≈ 235 000T LCE*

- World capacity is affected by low potash price down 68% (see Rockwood & FMC 2013 Q4)
- Chile Postponed lithium expansion for all producer beyond 2015
- 20% increase in battery grade lithium in 2013 (Rockwood 2013 Q4)
- Battery grade Lithium supply shortfall by 2016

New Potential Battery Grade Suppliers

- Orocobre
- Critical Elements Corp.
- Nemaska Lithium
- Western Lithium
- Bacanora Lithium

Supply / Demand Conditions Tightening



Source: www.talison.com
 Rockwood Q4 2013
 Stormcrow Capital

Albemarle & Rockwood Lithium to merge

Chemicals maker **Albemarle Corp.**'s (**ALB**) proposed acquisition of **Rockwood Holdings, Inc. (ROC)** for **\$6.2 billion** has been cleared by shareholders of both companies at their respective special meetings. Albemarle agreed to acquire Rockwood in Jul 2014 in a cash and stock deal. Under the deal terms, the company agreed to pay \$50.65 in cash and 0.4803 of a share of its stock for each outstanding Rockwood share.

RB Energy Receives Initial Order Under CCAA

VANCOUVER, CANADA--(Marketwired - Oct. 15, 2014) - RB Energy Inc. (the "Company" or "RBI") (TSX:RBI)(OTCQX:RBEIF) announces that the Quebec Superior Court has issued an Amended and Restated Initial Order in respect of the Company and certain of its subsidiaries under the **Companies' Creditors Arrangement Act (the "CCAA")**. The Company is now under the protection of the Court.

FMC Corporation Announces Lithium Carbonate and Lithium Salts Price Increase

PHILADELPHIA, Nov. 4, 2014 /PRNewswire/ -- FMC Corporation (NYSE: FMC) announced today that effective December 1, 2014, or as contracts permit, **it will increase global pricing for all grades of lithium carbonate and lithium salts including lithium hydroxide, pharmaceutical carbonate and specialty salts by 10 percent. The increases apply to all standard and non-standard pricing.**

FMC Lithium

First-quarter segment revenue for FMC Lithium was \$56.0 million, a decrease of 12 percent from the prior-year quarter, driven by lower volumes for butyl lithium. Segment earnings for the first quarter were \$5.5 million, a decline of 17 percent versus the prior-year quarter. Improved operations were offset by the increasing cost environment in Argentina.

Demand for lithium is expected to remain strong in 2015, particularly for lithium hydroxide. **However, the challenges of operating in Argentina are expected to continue to act as a drag on reported segment earnings. As a result, full-year reported segment earnings are expected to be within the range of \$15 to \$25 million.** <http://www.prnewswire.com/news-releases/fmc-corporation-announces-first-quarter-results-and-long-term-growth-plan-at-investor-day-300080698.html>

SQM

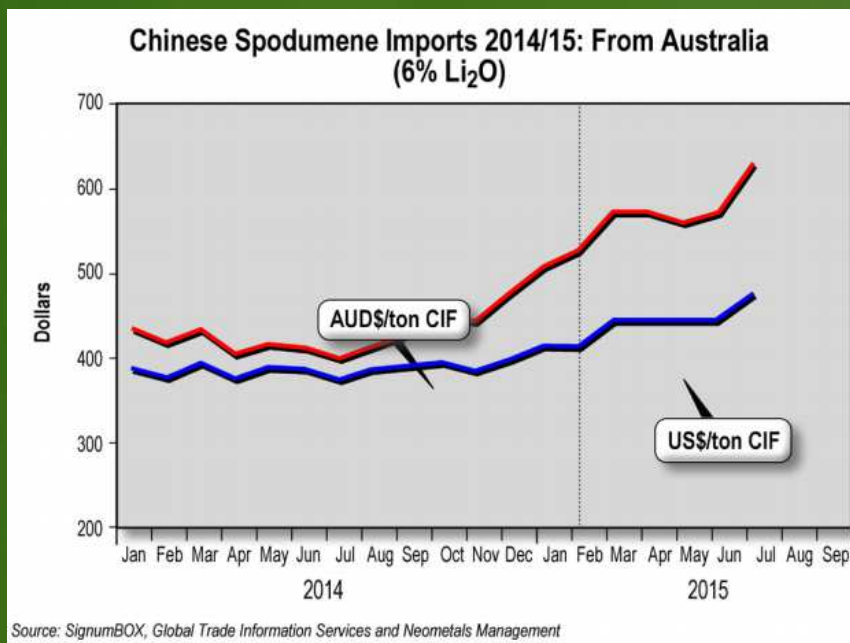
"As anticipated, prices in the iodine market fell during the first quarter of 2015, just over 15% when compared to the fourth quarter of 2014, and average prices today are hovering around US\$30. Our sales volumes were strong during the first quarter, and we expect to finish the year with volumes slightly higher than volumes seen in 2014. **The lithium business continues to see strong market growth, and average prices during the first quarter were close to 10% higher than prices seen during the fourth quarter of 2014.**" <http://www.prnewswire.com/news-releases/sqm-reports-earnings-for-the-first-quarter-2015-300086255.html>

ALBEMARLE

Performance Chemicals reported net sales of \$388.4 million in the first quarter of 2015, a decrease of 1% from pro forma net sales in the first quarter of 2014 of \$391.7 million. The decrease is primarily due to unfavorable impacts from currency exchange, the stub period, and unfavorable Bromine pricing, **partially offset by favorable Lithium and PCS volumes and favorable Lithium pricing. Adjusted EBITDA for Performance Chemicals was \$130.5 million, an increase of 13% from first quarter 2014 pro forma results of \$115.2 million. The increase was primarily driven by higher overall sales volumes, favorable Lithium pricing and the addition of our Talison joint venture, partially offset by unfavorable Bromine pricing and unfavorable impacts from currency exchange.** <http://investors.albemarle.com/phoenix.zhtml?c=117031&p=irol-newsArticle&ID=2045057>

Historical lithium price

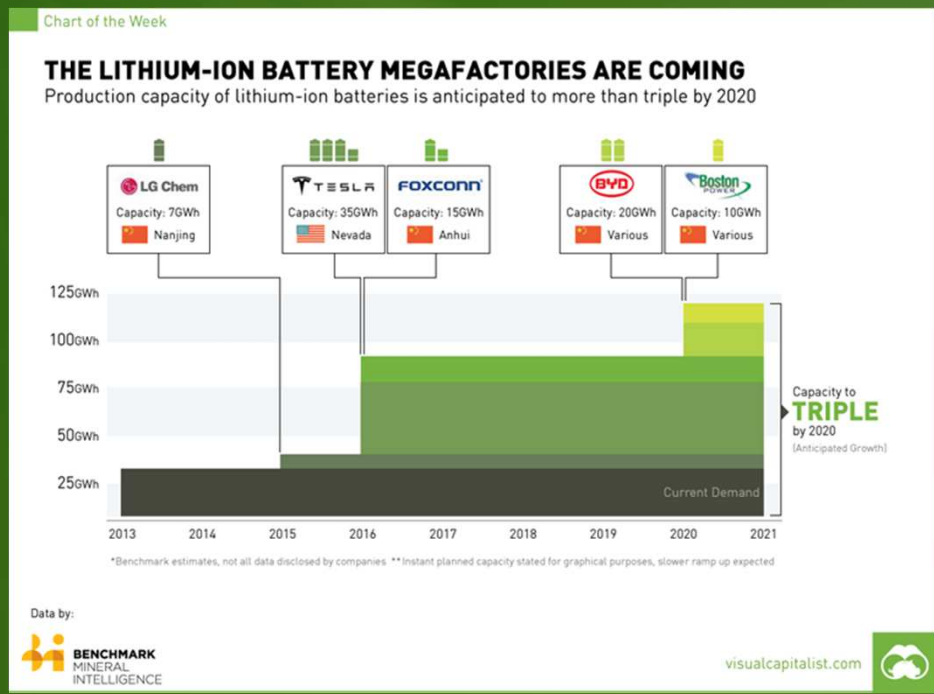
Year	99% LCE	99.5% LCE	56.5% LiOH H2O
2008	\$ 6.98	-	-
2009	\$ 5.33	-	-
2010	\$ 5.16	-	-
2011	\$ 5.08	\$ 5.86	-
2012	\$ 6.24	\$ 6.57	\$ 6.48
2013	\$ 6.29	\$ 6.88	\$ 6.99
2014	\$ 5.80	\$ 6.57	\$ 6.54



Lithium price Forecast

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Price (USD/kg 99% Li ₂ CO ₃)	\$5.89	\$6.23	\$6.29	\$6.14	\$5.60	\$5.88	\$6.44	\$6.92	\$7.54	\$6.99	\$7.56
Price (USD/kg 99.5% Li ₂ CO ₃)	\$7.08	\$7.39	\$7.69	\$7.97	\$8.20	\$8.43	\$8.64	\$8.83	\$9.02	\$9.20	\$9.39
Price (USD/kg 56.5% LiOH·H ₂ O)	\$7.08	\$7.39	\$7.68	\$7.96	\$8.19	\$8.42	\$8.63	\$8.83	\$9.02	\$9.20	\$9.38

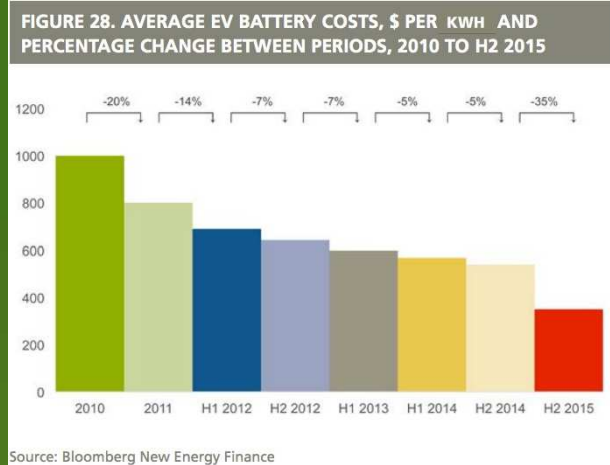
- Battery manufacturing to triple by 2020
- LG Chem mega lithium battery factory in operation since 2015
- 2 other Mega-factories to commence lithium battery production in 2016 in China and North America (Tesla & FOXCONN)
- Lithium demand from 2000 to 2008 grew by 10% per year and forecast up to 2017 is more than 11% per year*
- Battery grade lithium forecast demand to grow by 134% from 2012 to 2017*



Mega factories impact:

Lithium Ion Battery manufacturing cost since 2010 dropped by 60%

Sources: <http://www.visualcapitalist.com/the-lithium-ion-megafactories-are-coming-chart/>
 Signumbox
 Roskill



EV Charging infrastructure in place

- Industry consensus to develop High-Performance Li-ion vehicles
- Major World cities are rapidly implementing infrastructures
- In North America, over 12,000 charging stations have been put in place by the end of 2012. In Europe, Norway has 3,200 charging points. Japan already above 800
- Li-ion battery technology for electric vehicle is adopted by major car makers like; Toyota, Ford, GM, Mitsubishi, Nissan, Renault, Honda, Mercedes-Smart, BMW, Volvo, Mazda, Hyundai and more
- Significant reduction of the acquisition cost Toyota Prius C sales from \$20,950
- EV performance to increase in future



Source: <http://www.plugshare.com/>
<http://www.westcoastgreenhighway.com/>
http://www.greencarreports.com/news/1076380_fueling-stations-electric-cars-trump-all-other-alt-fuel-types

Potential new lithium suppliers and valuation

Company	Projected output (ton/year) LCE	Lithium Source	Project stage	Off-Take/ Partner	≈ Project CAPEX	Project NPV	Project IRR	≈ Market Cap
RB Energy	≈20,000	Hard rock	In receivership/bankruptcy	Marubeni/Tewoo	Spend	\$318 MM	32%	0
Orocobre	≈17,000	Brine	Second year in production ramp up and now at 2/3 of capacity	Toyota Tsusho	Funded	\$415 MM (7,5%)	26%	\$597 MM
Lithium Americas /Western Lithium	≈20,000	Brine	Announced a 40,000 LCE scenario	50/50 JV with SQM	N/A	N/A	N/A	\$138 MM
	≈13,000	Clay	Pre-Feasibility completed/ Pilot plan	No off-take	\$248 MM	\$552 MM	24%	
Critical Elements	≈26,500	Hard rock	Completing Bankable Feasibility	Take or Pay off take with large chemical company	\$268 MM	\$488 MM	33%	\$28 MM
Nemaska Lithium	≈30,000	Hard rock	Feasibility Completed/ Pilot	Tianqi	\$521 MM	\$924 MM	25%	\$150 MM
Bacanora	NA	Clay for 70% interest	Drilling stage	Tesla	N/A	N/A	N/A	\$160 MM
Pure Energy	NA	Brine	Historical resource/ drilling stage	Tesla	N/A	N/A	N/A	\$46 MM
Houston Lake Mining	N/A	Hard rock	Resource development stage/drilling	In discussions	N/A	N/A	N/A	\$32 MM
Lithium X	≈15,000	Brine	Pre-Feasibility/ never achieved battery grade lithium	In discussions	\$144 MM	\$561MM	34%	\$55 MM
International lithium	N/A	Brine/Hard rock	Resource development stage	Jiangxi Ganfeng	N/A	N/A	N/A	\$8,5 MM

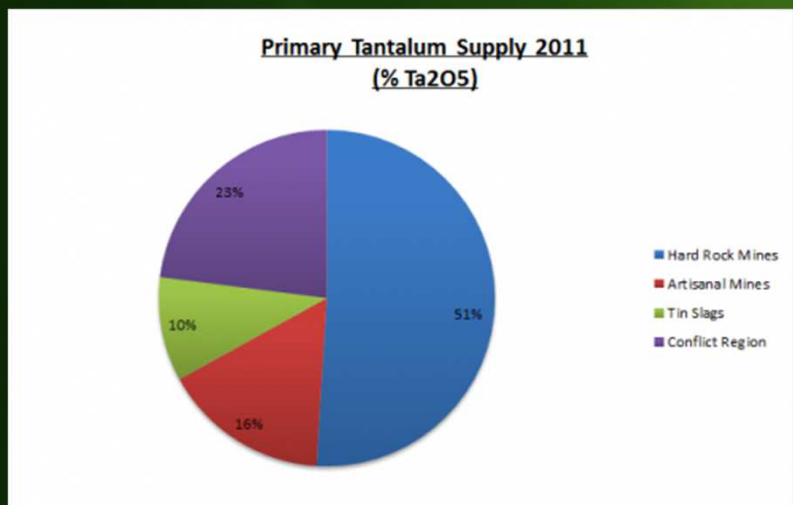
Tantalum is an element used in many applications in our everyday lives, to improve technology and material performance. These include uses in electronics, medicine, engineering and energy generation.

Tantalum ores are found primarily in Australia, Canada, Brazil, and central Africa. The average yearly growth in demand as been about 8% to 12% per year since about 1995. Metals traders predict high tantalum prices for the next 5 years.

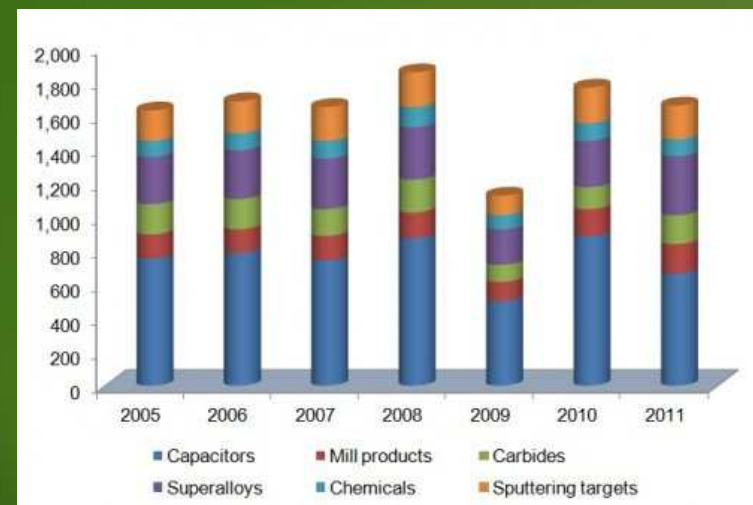
Tantalum Price



Tantalum Supply Source



Tantalum Demand



About half of the tantalum consumed each year is used in the electronics industry:

- Laptops, PDA'S, iPods, MP3, etc.
- Electrical appliances
- Ticket Machines, ATM's
- Radar Antenna
- In car electronics such as anti-lock braking systems (ABS), navigation systems, wheel traction control, airbag inflation, engine management and fuel economy.

Tantalum is also used in medical devices:

- Heart pacemakers, implanted auto-defibrillators and hearing aids.

