



INVESTOR PRESENTATION

JULY 2016



CAUTIONARY NOTES

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This presentation contains "forward-looking information" within the meaning of applicable securities legislation. Forward-looking information is often characterized by words such as "plan", "expect", "budget", "target", "project", "intend", "believe", "anticipate", "estimate" and other similar words or statements that certain events or conditions "may" or "will" occur. Forward-looking information may include, but is not limited to, the successful ramp-up of the Olaroz Project, and the timing thereof, the design production rate for lithium carbonate at the Olaroz Project, the expected brine grade at the Olaroz Project, the Olaroz project's future financial and operating performance including production, rates of return, operating costs, capital costs and cash flows, the comparison of such expected costs to expected global operating costs, the ongoing working relationship between Orocobre and the Provinces of Jujuy and Salta, the on-going working relationship between Orocobre and Olaroz project financiers Mizuho Bank and JOGMEC and the satisfaction of any lending covenants, the future financial and operating performance of the Company, its affiliates and subsidiaries including Borax Argentina, the estimation and realization of

mineral resources at the Company's projects, the viability, recoverability and processing of such resources, timing of future exploration at the Company's projects, timing and receipt of approvals, consents and permits under applicable legislation, trends in Argentina relating to the role of government in the economy (and particularly its role and participation in mining projects), adequacy of financial resources, forecasts relating to the lithium, boron and potash markets, potential operating synergies between the Salinas Grandes and Cauchari projects and the Olaroz project, the potential processing of brines from the Cauchari Project and the incremental capital cost of such processing, expansion, growth and optimisation of Borax Argentina's operations, the integration of Borax Argentina's operations with those of Orocobre and any synergies relating thereto and other matters related to the development of the Company's projects and the timing of the foregoing matters.

Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause actual results to be materially different from those expressed or implied by such forward-looking information, including but not limited to the risk of further changes in government regulations, policies or legislation; that further funding may be required, but unavailable, for the ongoing development of the Company's projects; fluctuations or decreases in commodity prices; uncertainty in the estimation, economic viability, recoverability and processing of mineral resources; risks associated with development of the Olaroz Project; unexpected capital or operating cost increases; uncertainty of meeting anticipated program milestones at the Olaroz Project or the Company's other projects; general risks associated with the feasibility and development of the Olaroz Project and the Company's other projects; risks associated with investments in publicly listed companies, such as the Company; risks associated with general economic conditions; the risk that the historical estimates for Borax Argentina's properties that were prepared by Rio Tinto, Borax Argentina and/or their

consultants (including the size and grade of such resources) are incorrect in any material respect; the inability to efficiently integrate the operations of Borax Argentina with those of Orocobre; as well as those factors disclosed in the Company's Annual Report for the year ended June 30, 2015 filed at www.sedar.com.

Forward-looking information is based on a number of assumptions and estimates that, while considered reasonable by the Company, may prove to be incorrect. Assumptions have been made regarding, among other things: the Company's ability to carry on its exploration and development activities at its projects and to continue production at Borax Argentina's properties, the timely receipt of required approvals, the prices of lithium, potash and boron, the ability of the Company to operate in a safe, efficient and effective manner and the ability of the Company to obtain financing as and when required and on reasonable terms. Readers are cautioned that the foregoing list is not exhaustive of all factors and assumptions which may have been used. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in 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 information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. The Company does not undertake to update any forward-looking information, except in accordance with applicable securities laws.

INVESTMENT THESIS

PRODUCTION VOLUME GROWTH

On track to reach nameplate production run rate of 17.5KT p.a. lithium carbonate production at Olaroz by November 2016

MARKET DEMAND

Tightening market, accelerating battery market growth and strong baseline demand from traditional markets

STRONG PRICE GUIDANCE

Consistent quarter-on-quarter contract price growth (~US\$7,500/tonne to >US\$10,000/tonne Q2 to Q3)

OPERATIONAL IMPROVEMENT

Forecast operating costs of <US\$2,500/tonne to be achieved through increased production rates, improved reagent consumption & optimised process controls

EXPANSION

Large Resource. Scoping study to duplicate Stage 1 at Olaroz (an additional 17.5KT - 25KT) and leveraging knowledge, experience and supplier relationships to execute better, faster and cheaper (less CAPEX). Scoping study to be completed by the end of September, Feasibility Studies to commence in October

CAPITAL MARKETS SNAPSHOT (ASX:ORE, TSX:ORL)

CAPITAL STRUCTURE (AS AT 15th JULY 2016)

Shares outstanding **209M**

Performance Rights and
Options Outstanding 2.68m

Cash Balance
(Corporate 31/03/16) A\$49.8m

Share price ASX/TSX **A\$4.85/C\$4.77**

Market capitalisation **A\$1016M**

52 week share price range (close):

ASX A\$1.33–A\$5.05

TSX C\$1.25–C\$4.84

SHARE PRICE CHART



SHAREHOLDERS

Executives and Directors ~8.2%

Henderson Global Investors 5.4%

Institutions, Banks and Brokers ~67.3%

INVESTOR RELATIONS CONTACTS

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ARGENTINA – REFORMS

THIRD LARGEST ECONOMY IN LATIN AMERICA, MEMBER OF G20

Pro-business President Macri is delivering changes that will allow the Argentinian economy to grow

FLOAT OF CURRENCY

Ends the artificially high exchange rate, Argentinian peso (ARS) has devalued by ~50% against the USD since 18 December 2015

CAPITAL TRANSFER RESTRICTIONS REMOVED

Allows free flow of capital in and out of the country

REMOVAL OF EXPORT DUTY

On most agricultural and industrial products including lithium carbonate and refined boron products

REMOVAL OF IMPORT CONTROLS

Allows easier and quicker international sourcing of materials and equipment

Delivers on-going operating and capital cost reductions for Orocobre

OLAROZ

THE JOURNEY



March 2008:
Exploration
begins.

March 2009:
Initial
Resource and
Scoping Study.

May 2011:
Olaroz DFS
Completed.

Jun 2012:
Government
Approval
obtained.

Aug 2013:
First Brine
pumping.



Nov 2012:
Construction
begins.

April 2015:
First Commercial
Dispatch.



Jan 2010:
JV with Toyota
announced.



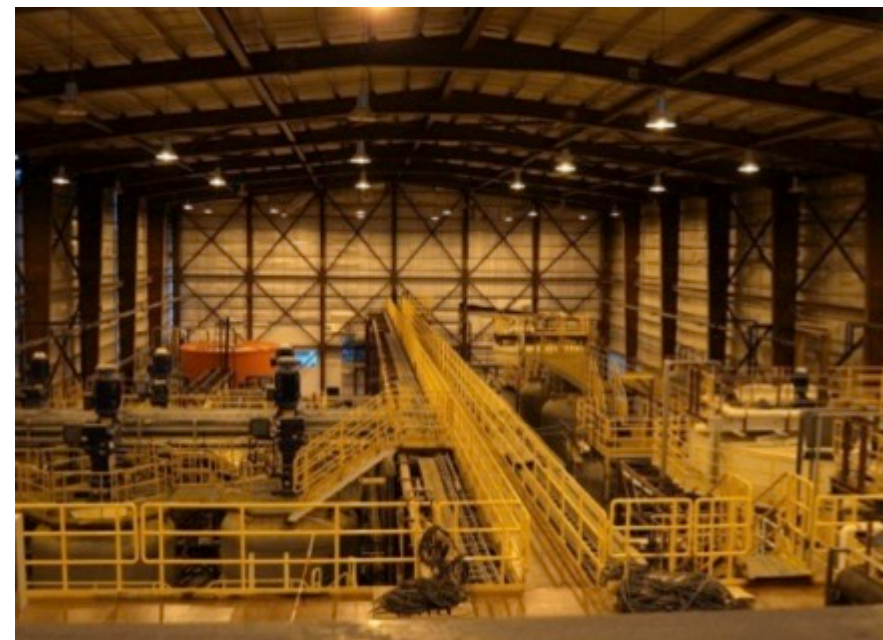
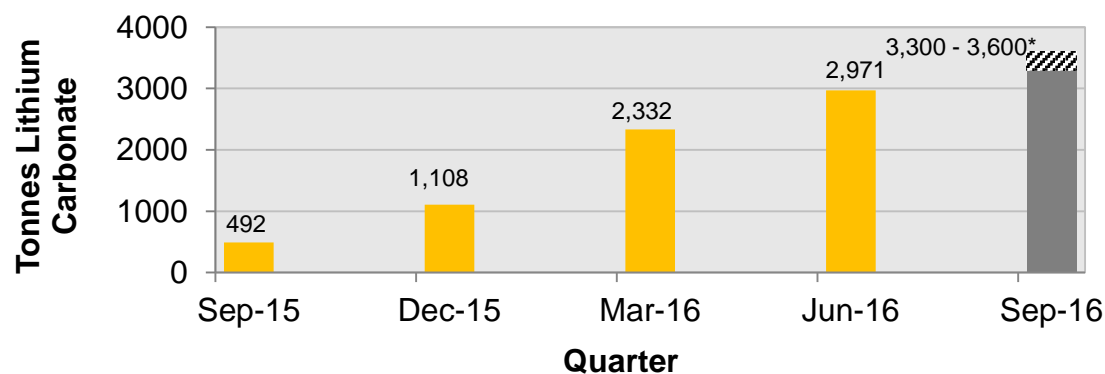
OROCOBRE PERFORMANCE & FORECAST

KEY INDICATORS

Lithium carbonate production is on track to meet nameplate production run rate by Nov 2016.

September quarter production is forecast to be 3,300 - 3,600 tonnes.

OLAROZ PRODUCTION

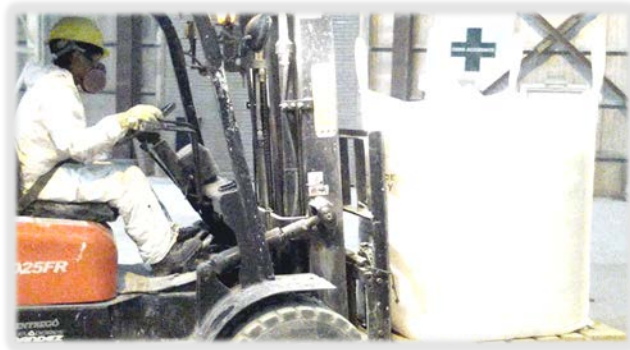
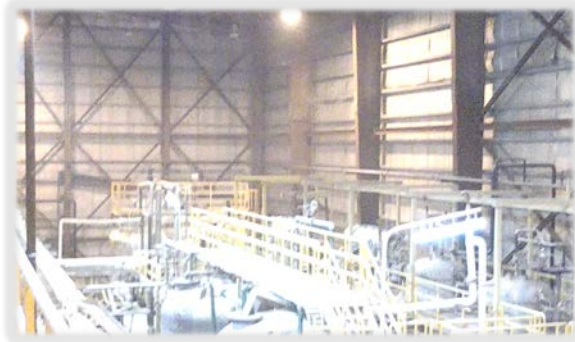


Forecast operating costs to be achieved through increased production rates, improved reagent consumption & optimised process controls.

Measure	Guidance
Current Operating Cash Costs	~US\$3,500/tonne
Forecast Operating Cash Costs (FY18)	<US\$2,500/tonne
Anticipated price level for Q3 2016 FOB basis net of logistics and commissions	>US\$10,000/tonne

OLAROZ

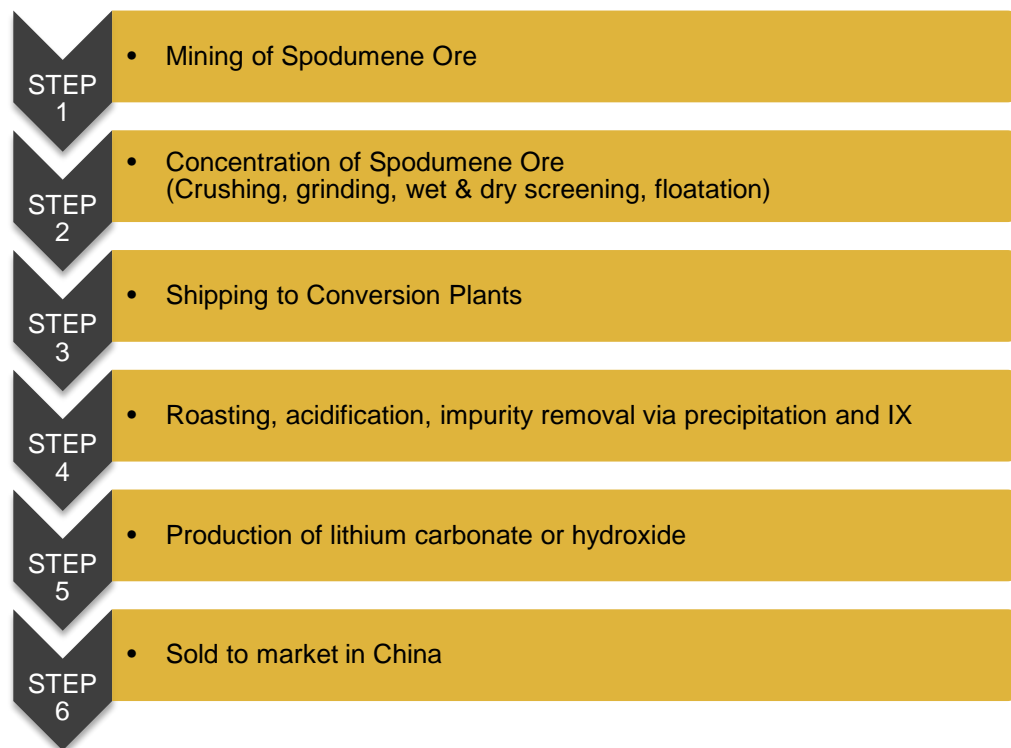
A TOUR OF OUR PRODUCTION PLANT



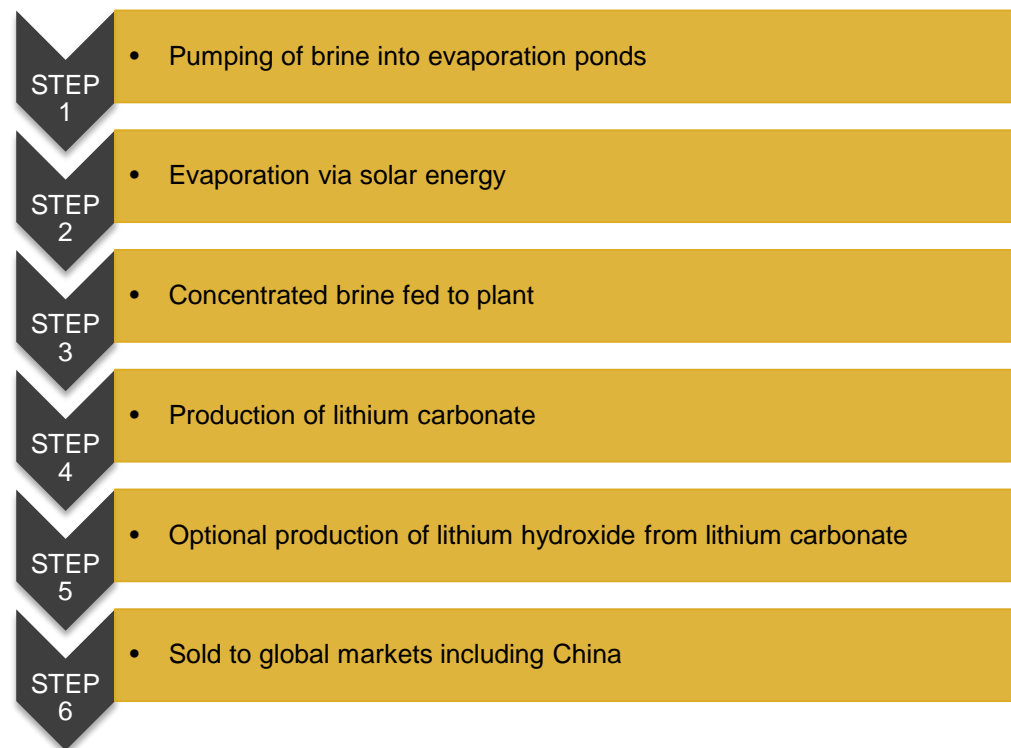
LITHIUM: HARD ROCK & BRINE

A COMPARISON

THE HARD ROCK JOURNEY TO THE CHINESE MARKET



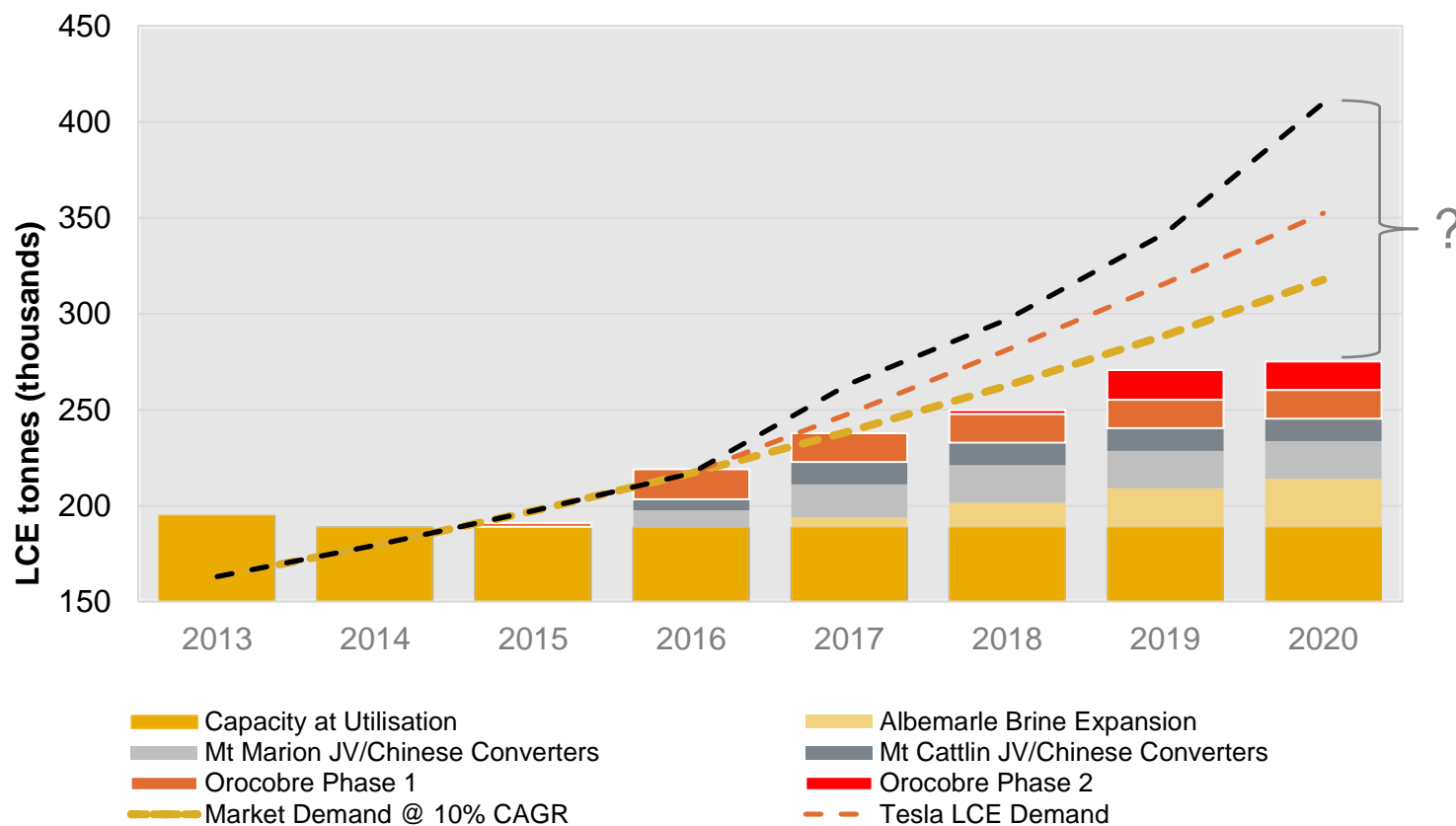
THE BRINE JOURNEY TO GLOBAL MARKETS



Recently announced spodumene concentrate prices support a Chinese price excluding taxes of >US\$8500/t

OROCOBRE MARKET VIEW

TIGHT MARKET CONDITIONS



Strong market fundamentals, driven by growth in both the high growth battery market and other traditional markets.

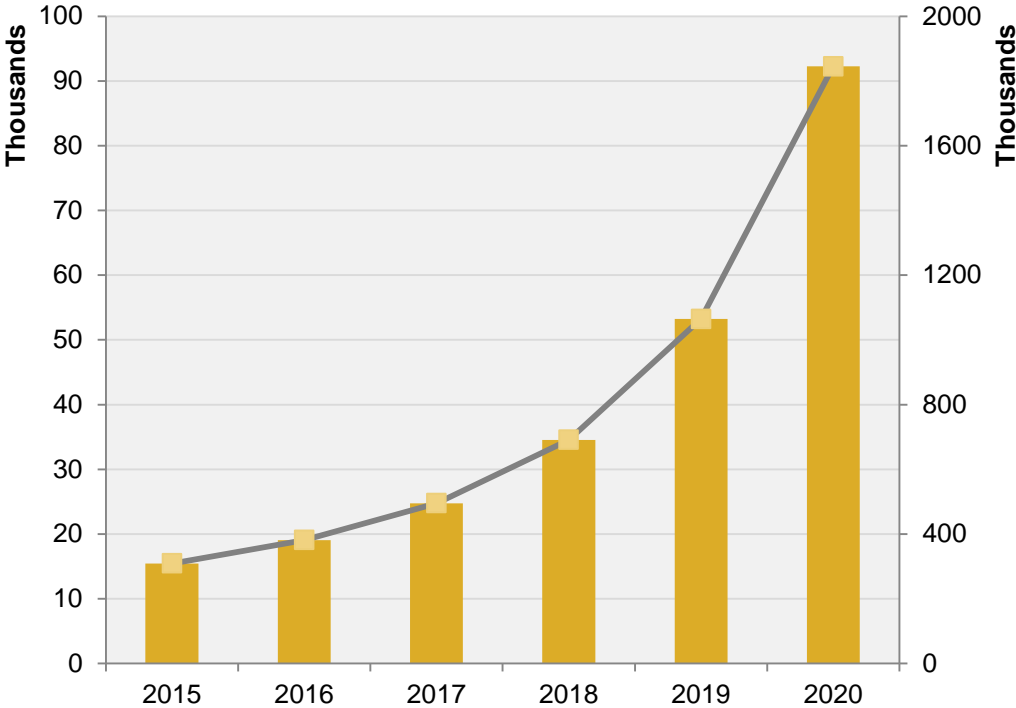
Olaroz production can expand in line with market growth

Supply Notes: Rest of the world 85% utilisation, China 60% utilisation, Talison's capacity considered in line with Chinese converter plant limitations and Europe industrial market, reducing supply to third party converters and impact of new entrants.
 Source: Company websites and Orocobre estimates.
 Demand Notes: LCE Demand forecast assumes 1kg per kWh; 50 kWh per PEV unit sold
 Source: PEV Sales Forecasts (optimistic view) – Lux Research July 2015

OROCOBRE MARKET VIEW

DRIVEN BY STRONG DEMAND

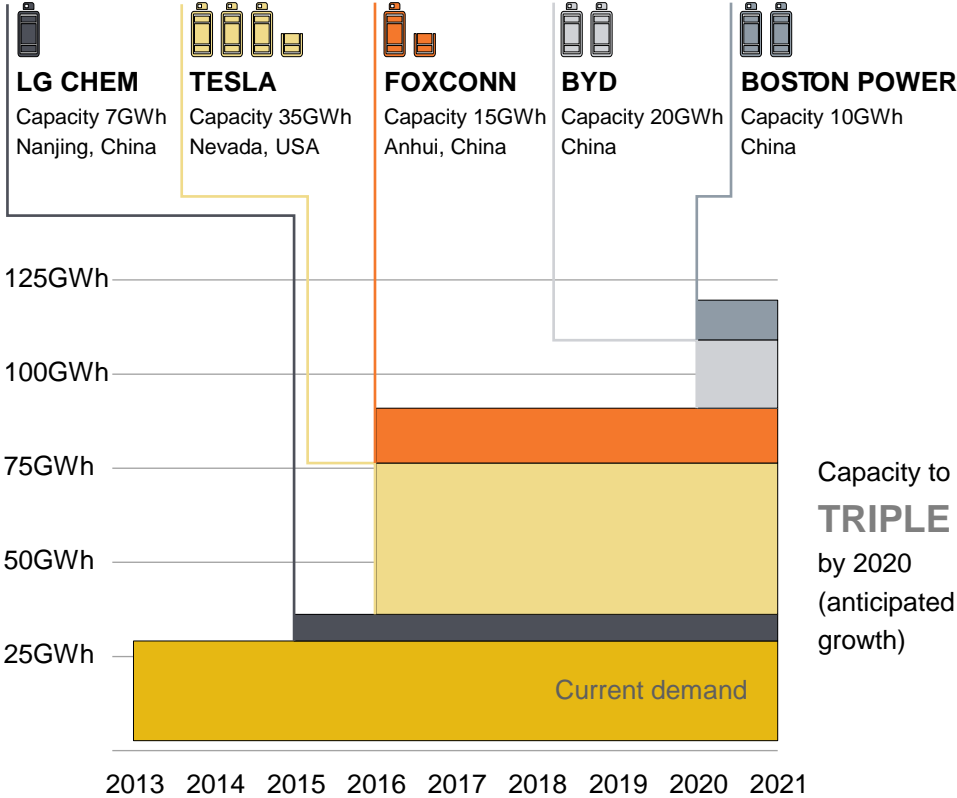
PLUG-IN VEHICLE (PEV) LITHIUM DEMAND



■ PEV LCE Demand (t) LHS — PEV sales in optimistic scenario (units) RHS

Notes: LCE Demand forecast assumes 1kg per kWh; 50 kWh per PEV unit sold
 Source: PEV Sales Forecasts – Lux Research July 2015

BATTERY FACTORY CAPACITY

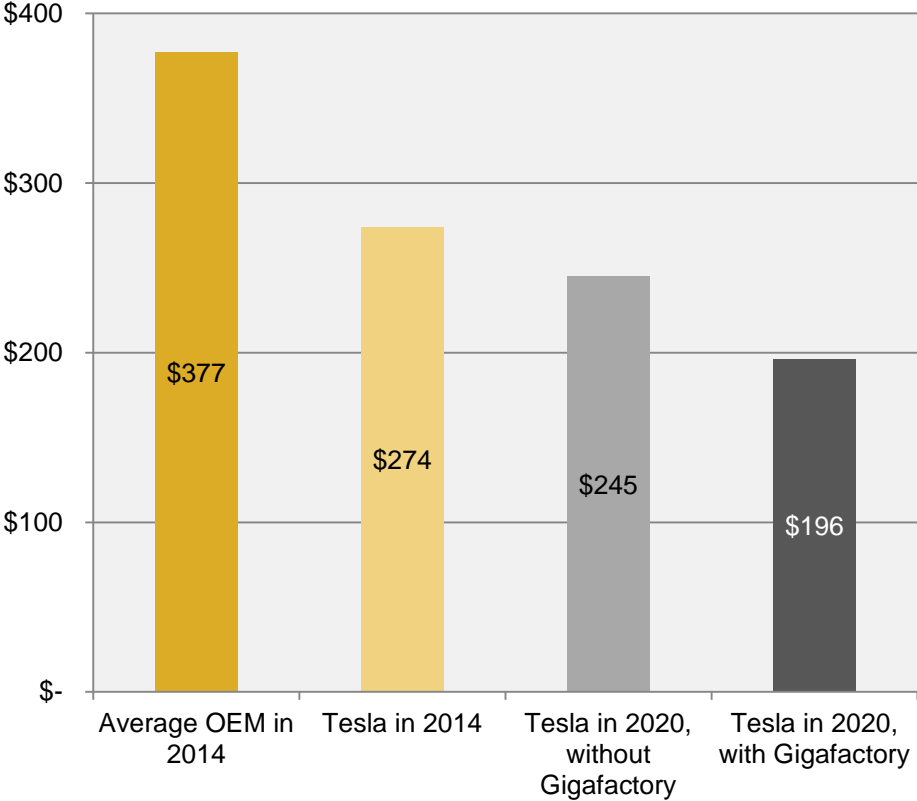


Notes: Benchmark estimates, not all data disclosed by companies.
 Instant planned capacity stated for graphical purposes, slower ramp up expected
 Source: visualcapitalist.com. Data by Benchmark Mineral Intelligence

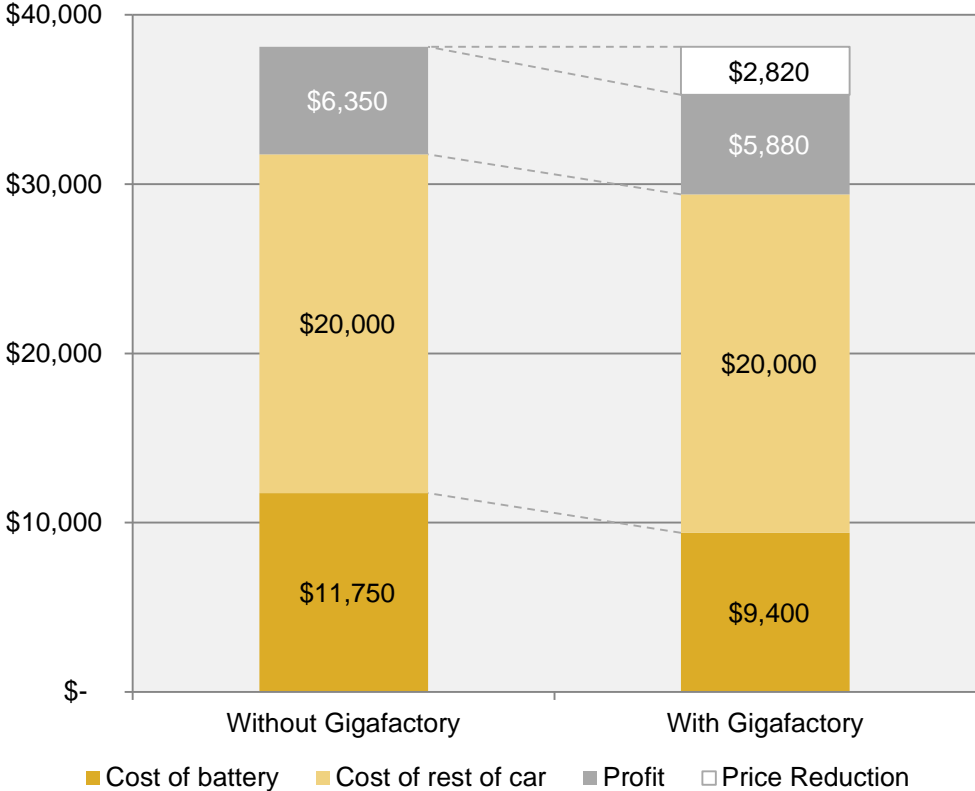
OROCOBRE MARKET VIEW

ENCOURAGES BATTERY COST REDUCTIONS

COST OF LI-ION BATTERY PACKS



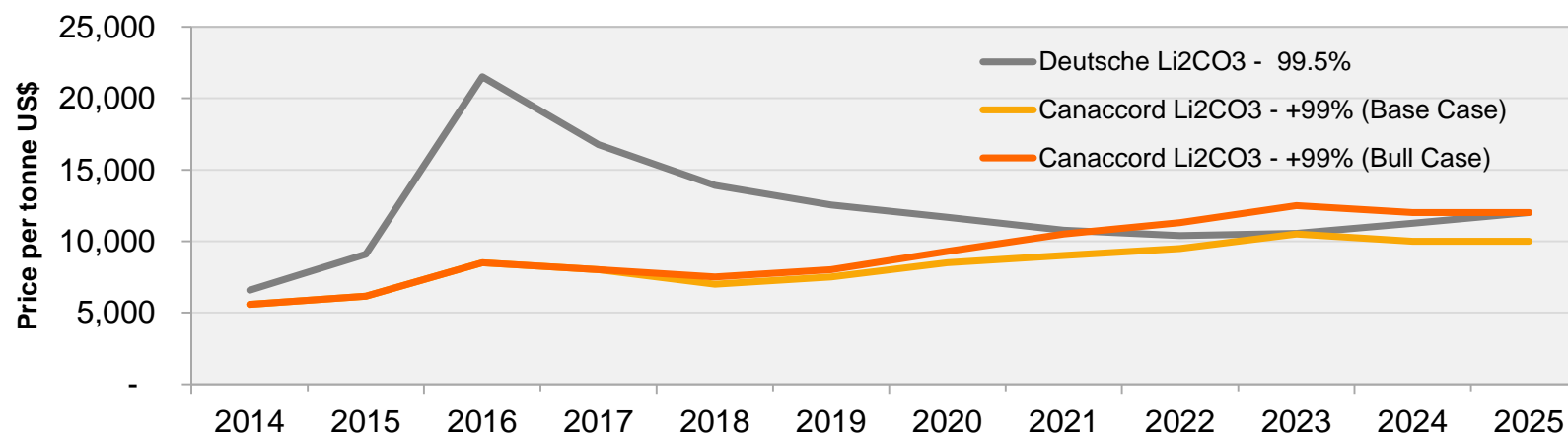
PRICE OF TESLA'S MODEL 3 EV IN 2020 (\$/CAR)



OROCOBRE MARKET VIEW

AND LEADS TO STRONG PRICING

Average Q3 pricing is expected to be >US\$10,000 per tonne FOB net of commissions and logistics cost, an increase on the Q2 price of ~US\$7,500.

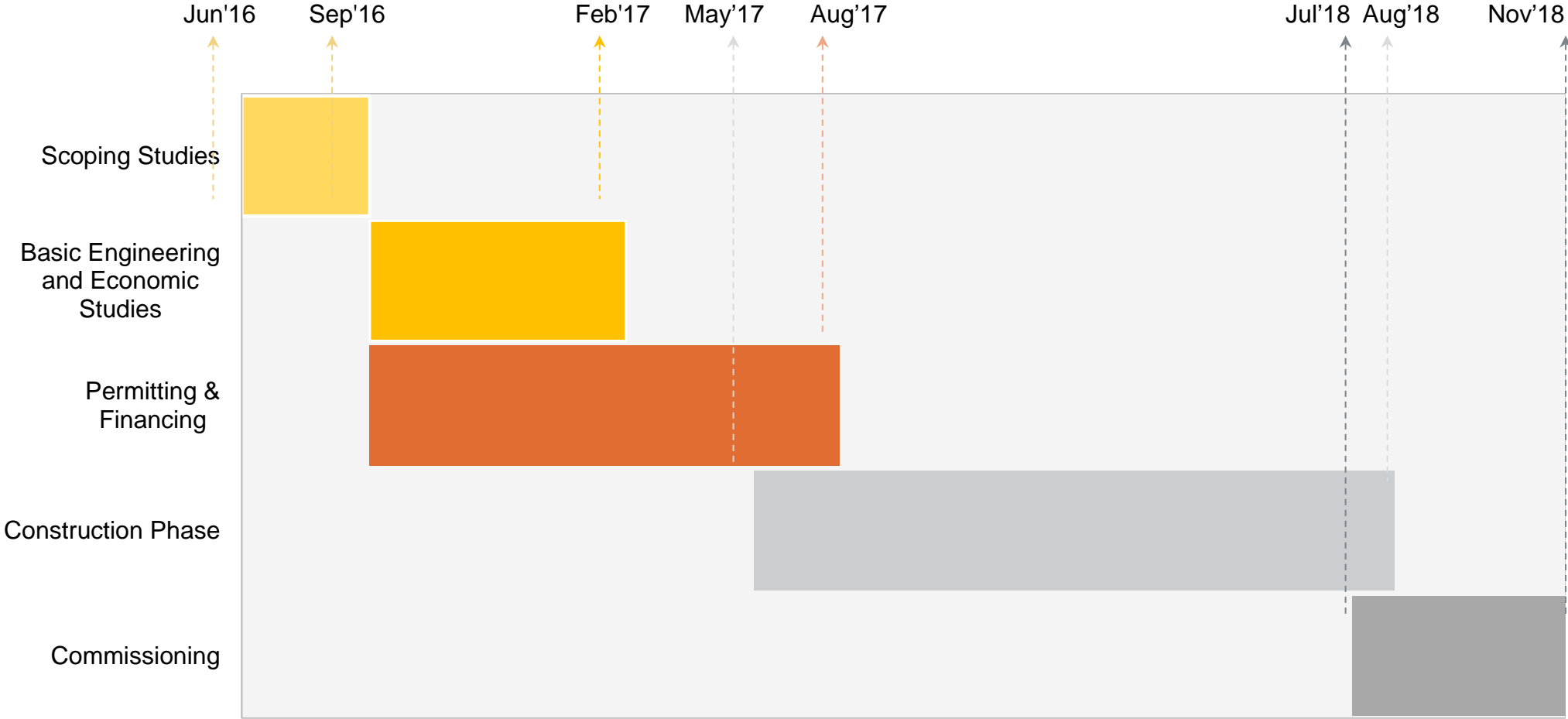


Price (US\$)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Deutsche Li2CO3 - 99.5%	6,577	9,081	21,509	16,748	13,908	12,548	11,675	10,773	10,388	10,544	11,265	12,000
Canaccord Li2CO3 - +99% (Base Case)	5,569	6,160	8,500	8,000	7,000	7,500	8,500	9,000	9,500	10,500	10,000	10,000
Canaccord Li2CO3 - +99% (Bull Case)	5,569	6,160	8,500	8,000	7,500	8,000	9,300	10,500	11,300	12,500	12,000	12,000

OLAROZ

EXPANSION STAGE 2 OF 17,500 – 25,000 TONNES PER ANNUM

OLAROZ PROJECT EXPANSION TIMELINE



SUMMARY

Long life resource

Significantly improved economic and fiscal conditions in Argentina

Operational improvements

Production volume growth

Low cost/high margin

Market demand continues to grow

Strong price growth

Expansion study underway

