

INFINITY LITHUM Investor Presentation

November 2019



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Competent Persons Statement

- The information in this report that relates to Exploration Targets and Mineral Resources is based on the information compiled by Mr Patrick Adams, of Cube Consulting Pty Ltd (Perth). Mr Adams has sufficient relevant professional experience with open pit and underground mining, exploration and development of mineral deposits similar to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of JORC Code He has visited the project area and observed drilling, logging and sampling techniques used by Infinity Lithium in collection of data used in the preparation of this report. Mr Adams is an employee of Cube Consulting Pty Ltd and consents to be named in this release and the report as it is presented.
- The information in this report that relates to Exploration Results is based on the information compiled or reviewed by Mr Adrian Byass, B.Sc Hons (Geol), B.Econ, FSEG, MAIG and an employee of Infinity Lithium. Mr Byass has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the JORC Code. Mr Byass consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.



INFINITY LITHIUM LITHIUM HYDROXIDE PROJECT



Europe to be the 2nd largest market for battery grade lithium after China



Producing 15Kt¹ of
Lithium Hydroxide per
year, able to power
>10M Electric Vehicles



Lithium production supported by the EU and targeted by the EIB



Pre-tax NPV at US\$860M, a Pre-tax IRR at 42% and a payback period of 2.5 years



Infinity is a fully
integrated project with a
low carbon footprint
and sustainable operation



OPEX before by-product credit of \$5,434/t¹ LiOH at the bottom of the global cost curve



30-year production, with total revenues expected to reach **US\$6 Billion**



Creating a new industry for Europe, **generating employment** and supporting the community

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 - 3. A Uniquely Fully Integrated Lithium Project
 - 4. A Lithium Project Supported by Strong Economics
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The European Lithium-ion Battery Supply Chain



Battery Metals

Battery Manufacturing Chain





Lithium



Cathodes



Battery Cells & Packs



Electric Vehicles

Mining

Chemical Conversion





Infinity Lithium's Integrated Project

























ARASÎS











































Multitude Of New Lithium-ion Factories Planned In Europe

Today <10GWh Capacity

Tomorrow >300GWh



Started 2010, 2.5GWh



16GWh to start and ramp up to 30GWh



To build Gigafactory starting in 2021



Start 2022, up to 10GWh



Start 2022, up to 100GWh



Start 2023, up to 24GWh



Start 2020,

announced



Infinity Lithium Corporation



Start 2021, up to 40GWh



Start 2023, up to 32GWh



Started 2018 6GWh later up to 70GWh



9GWh by 2020, to invest >\$800M in a 2nd plant



Started 2018 3GWh, later 15GWh



Potential plant



Potential plant in Europe



Potential plant in Germany



Potential plant in France



To invest \$230M in Germany

A Number Of Cathode Plants Planned In Europe In The Early 2020s

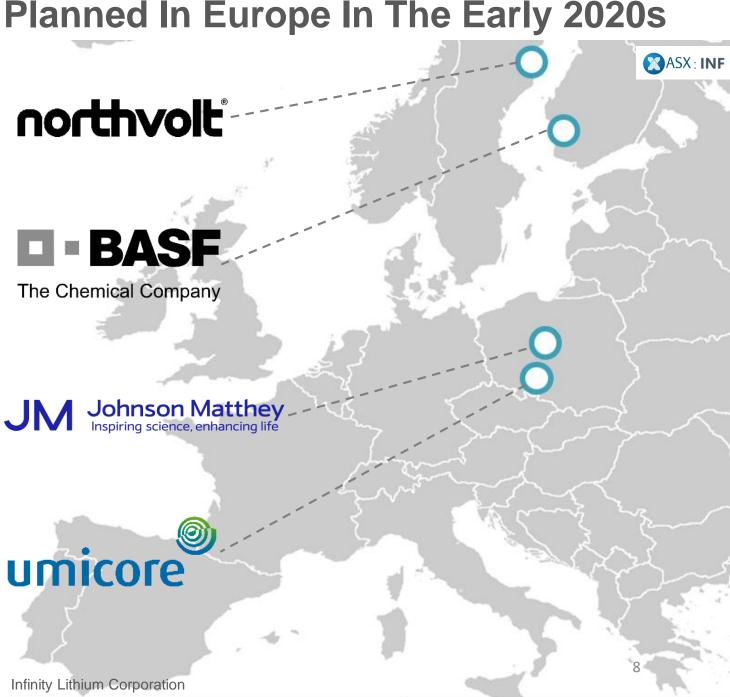
Northvolt is also planning to build its cathodes inhouse after they start their battery factory in Sweden

BASF and Norilsk Nickel to cooperate on raw material supply for battery materials production in Europe. BASF intends to invest up to €400M in a first step to build production plants for cathode materials in Europe

Johnson Matthey expects to start production in 2021-22 in Poland of a battery material it has developed with improved performance and reduced cobalt content to contain costs

Umicore is planning to build a cathode plant in Poland. The first phase of this investment is included in the €660M programme. Umicore is due to start deliveries in late 2020





Europe Lithium Import Dependency: 100%







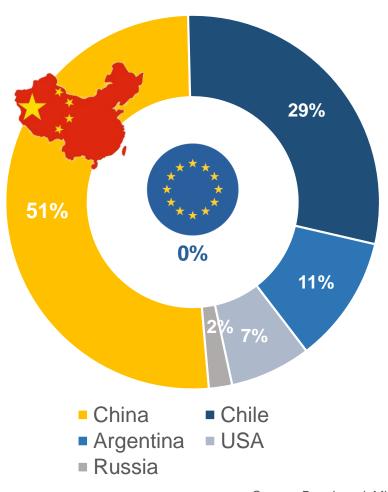
- European Automakers want to **de-risk** their supply chain
- With a looming trade war between the US and China, the world is approaching a new era of protectionist trade policies
- Concerns over limited availability of critical battery metals and concentration in a small number of countries
- Europe will be the **2nd largest lithium chemical consumer** in the world, but **no lithium** plants have been built yet

EU's Critical Raw Materials



- CRM strategic classification of raw materials allows for subsidies and support
- **Lithium** not currently on the CRM, ongoing review, results in 2020
- Infinity invited as expert to review the EC's methodology

Lithium Chemical Supply in 2018



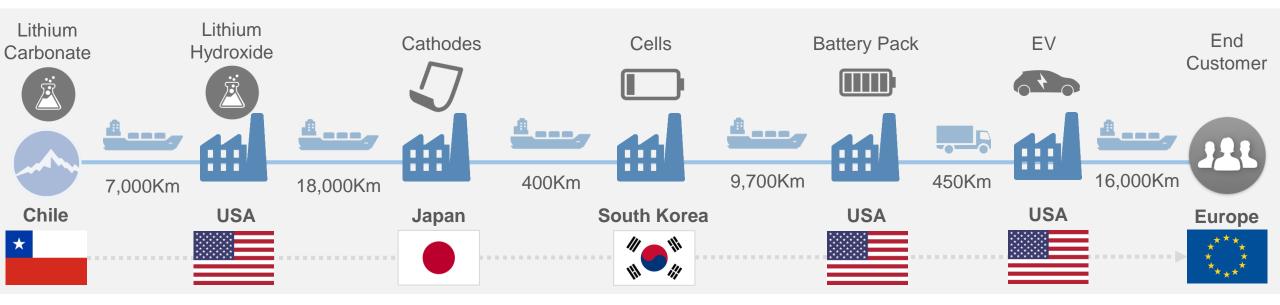
Source: Benchmark Mineral Intelligence

Carbon Footprint - Lithium

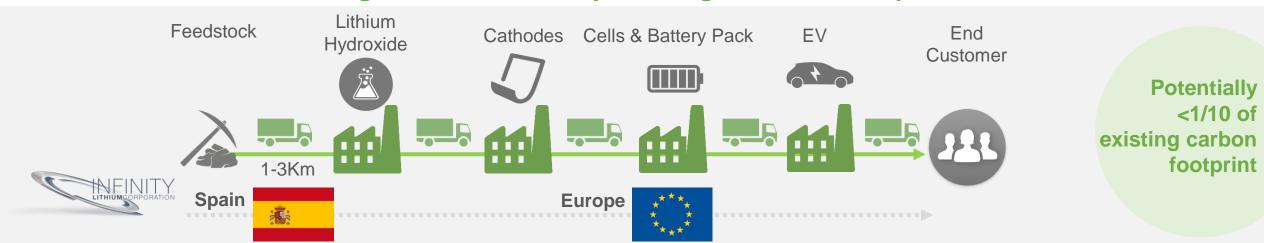


What is likely to happen when you buy a luxury EV in Europe

The lithium inside you car travels more than **50,000km** before you even start driving*



Integration – dramatically reducing the carbon footprint

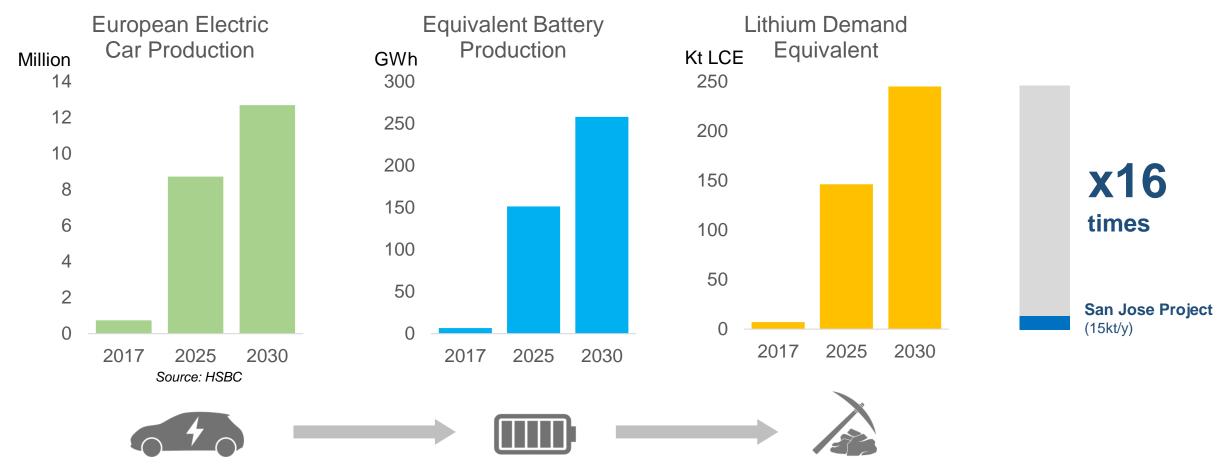


A Fully Integrated European Lithium-ion Battery Supply Chain





The EU is pushing to have a fully integrated domestic supply chain, from producing EVs all the way back to producing raw materials. What would it mean for domestic lithium demand?





EU New Focus On Strategic Battery Raw Materials



The **EU** and the **European Commission** have publicly stated that they are willing to support and provide capital to develop lithium production in Europe



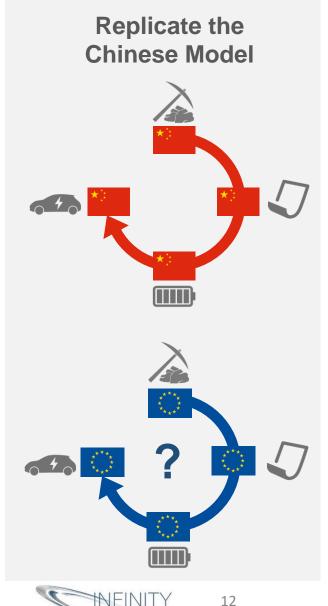
Maros Sefcovic - Vice President of the European **Commission**: "Unless we develop our own [mining & refining] capacity, the EU will continue to be in great part dependent on foreign supplies [...] We need our EIB to become more fully engaged in raw material projects"



"Develop a **strategic value chain** for manufacturing EV LIBs inside Europe" - "Secure access to raw materials"



- The European Investment Bank is committed to provide capital
- The EIB identified the significant gap in the market, reinforcing their focus on "raw materials and refining facilities"



EU New Focus On Strategic Battery Raw Materials









June 2019 – Speech to the European Investment Bank:

"Without undertaking its own exploration, the EU will have no mining projects

This, in turn, means no refineries and, without refining capacity, the EU will continue to be in great part dependent on foreign supplies of high quality materials

Unless we develop our own capacity

We have identified with the Member States that there are 10 potential mining projects for lithium that, if developed, could allow the EU to move from 1 to 30% of the world production by 2030

We therefore need our European Investment Bank to become more fully engaged in raw material projects in exploration, mining and refining

The European Bank for Reconstruction and Development (EBRD) is preparing a EUR 60 million Exploration Investment Facility."



European Commission Vice President States its Support to Infinity Lithium



During the closing speech of the European Battery Alliance Stakeholders Meeting, European Commission Vice President Maros Šefčovič stated "Infinity Lithium is planning on producing 15,000t of lithium hydroxide in Spain and is in negotiations with 4 European industrial players. Automakers should be very interested in this project"





Infinity Lithium participated in the official launch of the Business Investment Platform (BIP) for batteries organized by the European Battery Alliance. Infinity was used as a key example of a candidate for investment from EU bodies and presented its project to the EBA and the Vice President of Energy at the European Comission – Maros Sefcovic

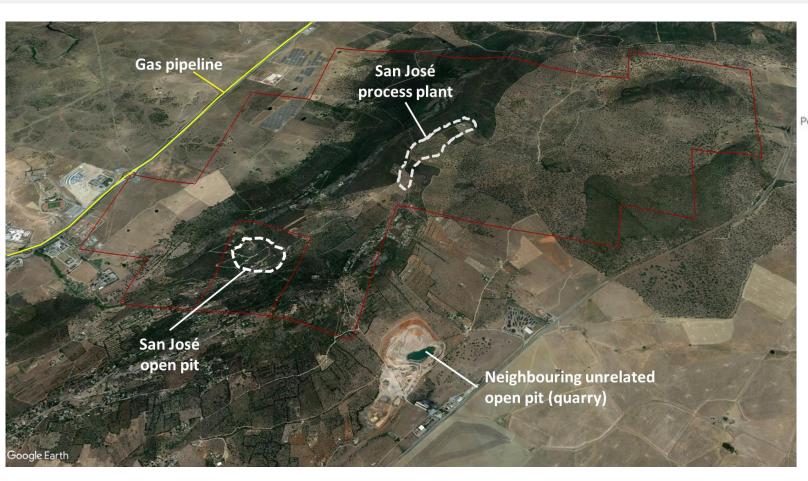


II. Developing lithium production in Europe to power a renewable future

1. Strategically Located in Extremadura, Spain



The San Jose Lithium Project is located approximately 280km west-southwest of Madrid in the region of Extremadura. The Project open pit development is in a narrow valley (Valhondo Valley) directly to the east of the town of Caceres.







2. A Large And Long-Term Asset Supporting EV Growth



Second largest lithium resource in the European Union & Largest open pit based project

JORC Resource 111.2Mt (Ind. 59Mt, Inf. 52.2Mt), Probable Reserves 37.2Mt







To operate for **30 years**, including 19 years of mining but only depleting **<50%** of **JORC resource**



To produce around **15,000t**¹ of lithium hydroxide battery grade per year

Enough to power
10 Million
Full Electric Vehicles
over the life of the project



2. A Large And Long-Term Asset Supporting EV Growth



San Jose Mineral Resource, Reported Above 0.1% Li Cut-off

Parameter	Amount Mt	Li%	Li2O (%)	Sn ppm
Resource:				
Indicated	59.0	0.29%	0.63	217
Inferred	52.2	0.27%	0.59	193
TOTAL	111.3	0.28%	0.61	206

Estimated using Ordinary Kriging methodology. Note: Small discrepancies may occur due to rounding. Further details ASX release 23 May 2018

Lithium (Li) mineralisation is commonly expressed as either lithium oxide (Li2O) or lithium carbonate (Li2CO3) or Lithium Carbonate Equivalent (LCE). Lithium Conversion:

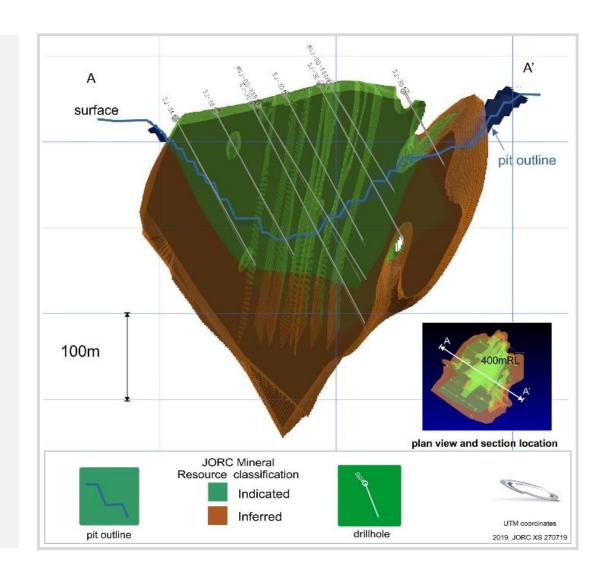
1.0% Li = 2.153% Li2O

1.0%Li = 5.32% Li2CO3

1.0% Li2CO3 = 0.880% LiOH.H20

X2 – Potential to double

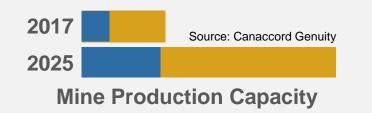
PFS based 100% on Indicated Resources







Hard-rock to dominate lithium production in the future: easier to operate, lower risk jurisdiction, cheaper to produce lithium hydroxide



Today, majority of lithium hard rock production is **exported to China** for conversion into lithium chemicals



Integration is the way forward for Australian miners in order to improve efficiency and margins

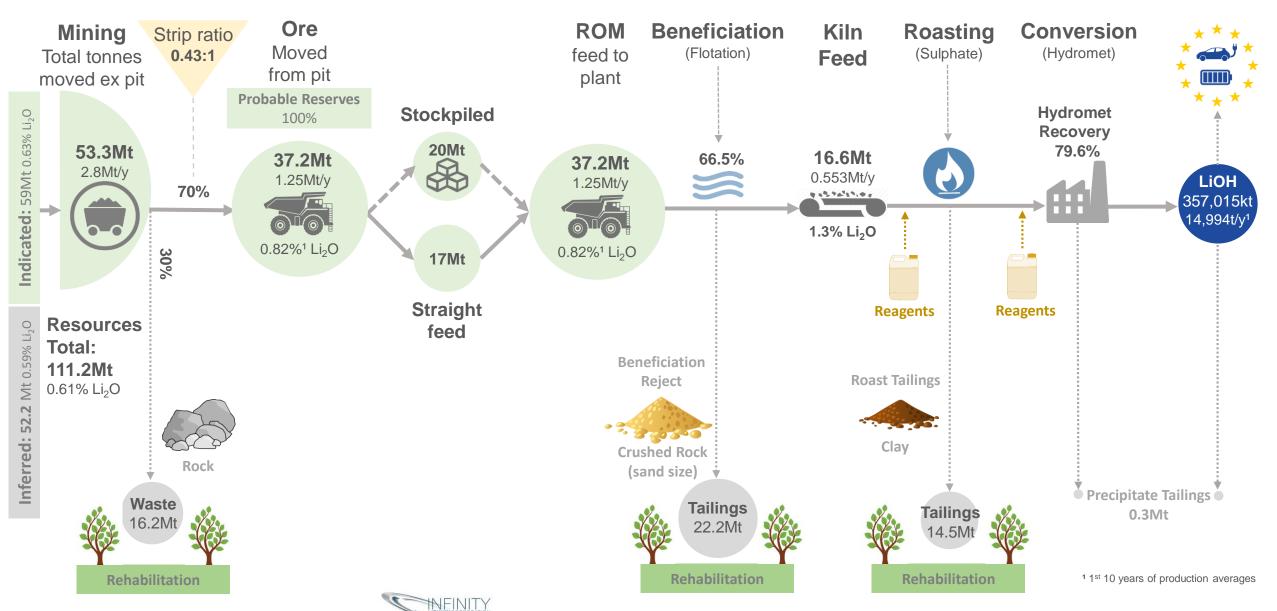


San Jose is an **industrial project** where the mine and the chemical operation are adjacent:

- No shipping
- No import duties on feedstock
- No third-party converters





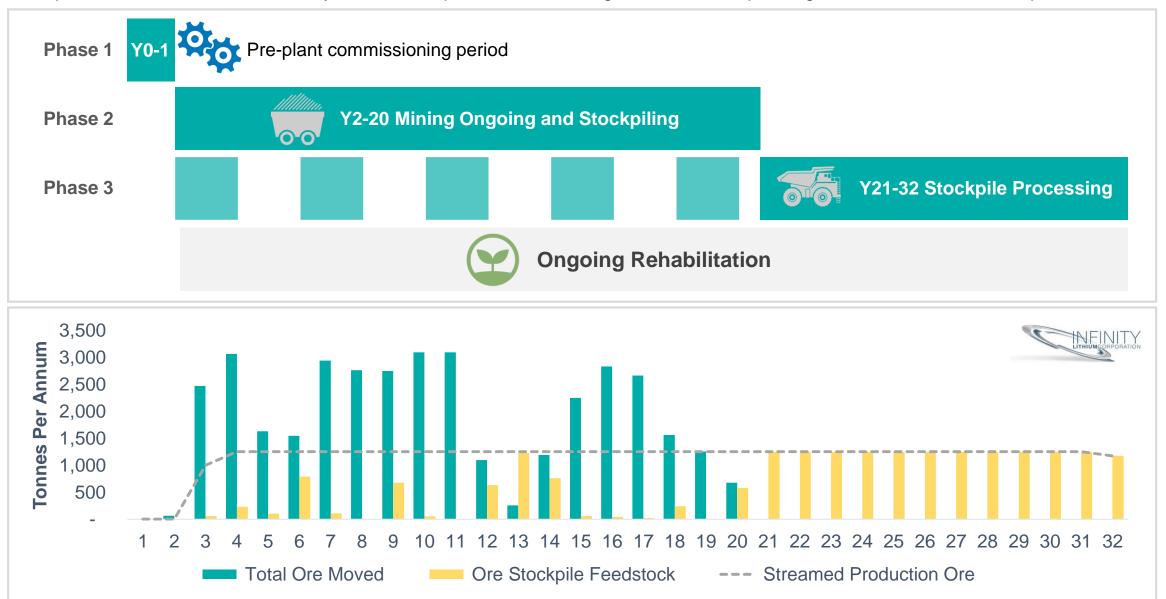






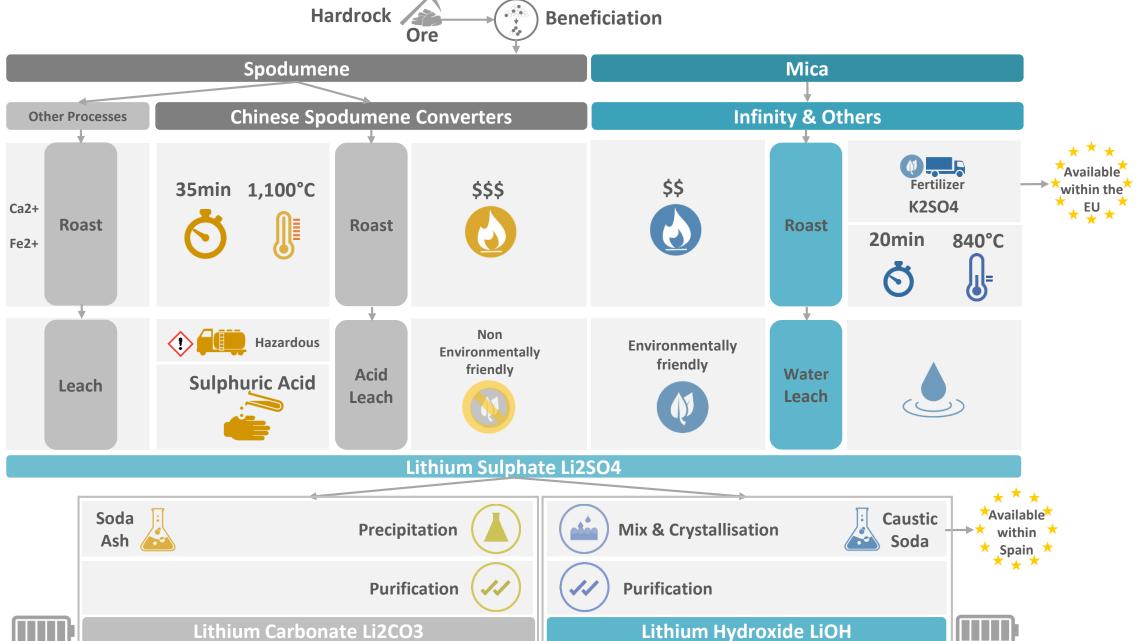


The operation has an overall life of 32 years with the plant commissioning in Year 1. The operating life is broken down into 3 periods:









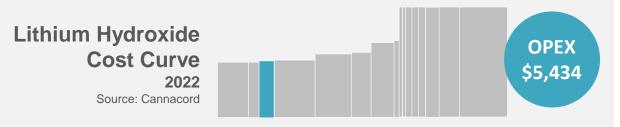








OPEX at the bottom of the cost curve for lithium hydroxide at around \$5,434/t¹



Starting **CAPEX** at US\$268M² with a **low capital intensity** of \$16,200/t

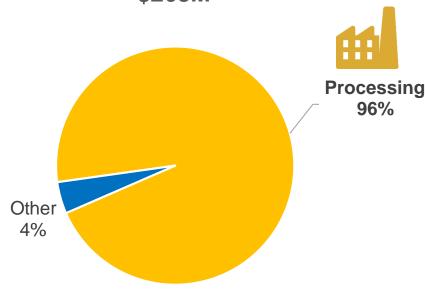




PFS Published in August 2019 – Working towards DFS





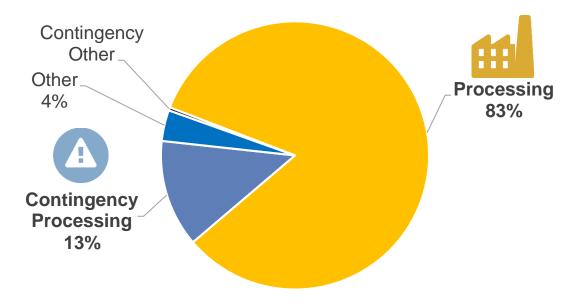


TOTAL	US\$267.9m
Other	US\$11.5m
Process Plant	US\$256.4m





Pre-Production Capital Expenditure Including Contingency \$309M

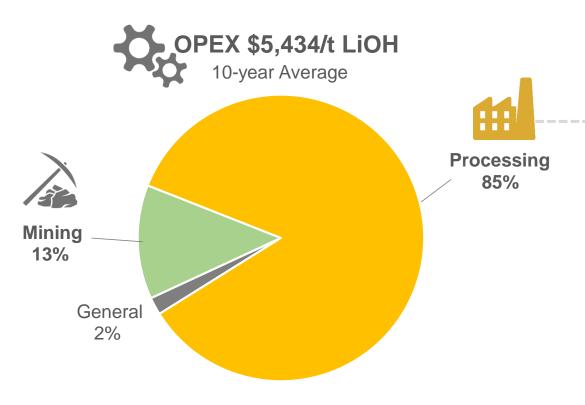


Process Plant	US\$256.4m
Contingency Processing (15.6%)	US\$39.9m
Other	US\$11.5m
Contingency Other (10%)	US\$1.2m
TOTAL	US\$309.0m



4. Lithium Project Supported by Strong

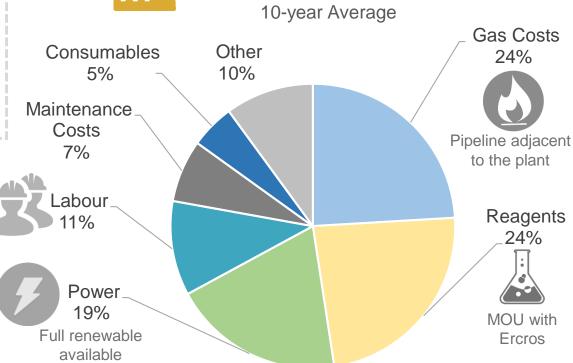
Economics



General US\$108/t
Mining US\$700/t
Processing US\$4,626/t
TOTAL US\$5,434/t



Processing \$4,626/t LiOH

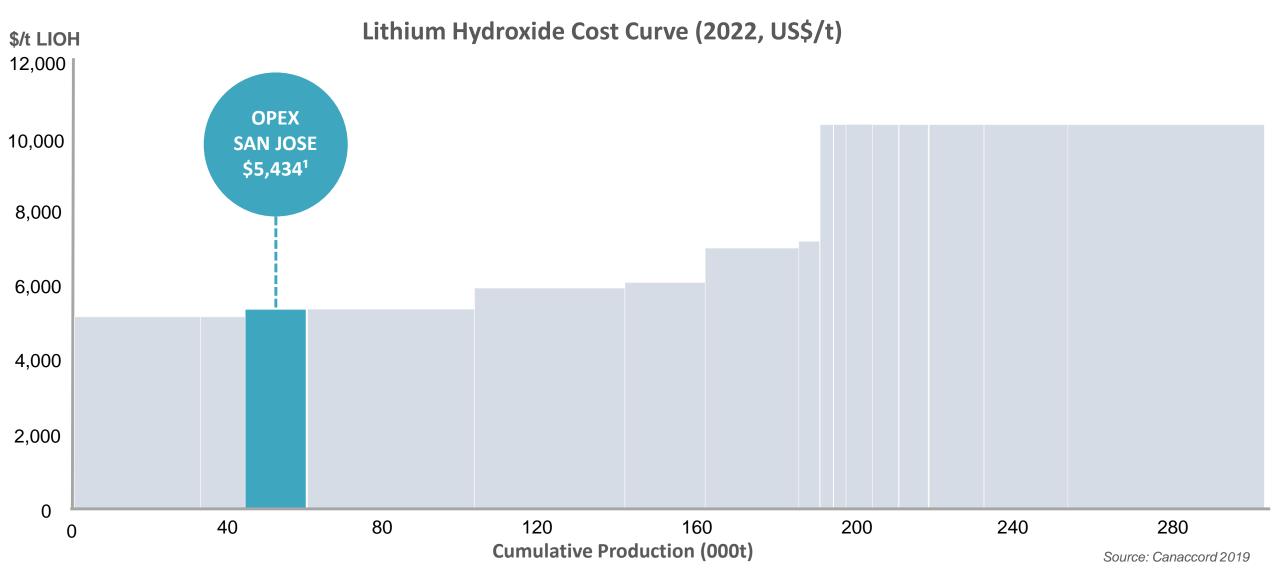


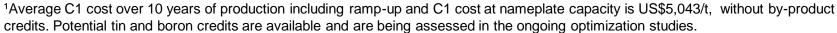
TOTAL	US\$4,626/t
Other	US\$465
Maintenance	US\$328
Gas	US\$1,113
Power	US\$903
Labour	US\$497
Consumables	US\$233
Reagents	US\$1,088



ASX: INF



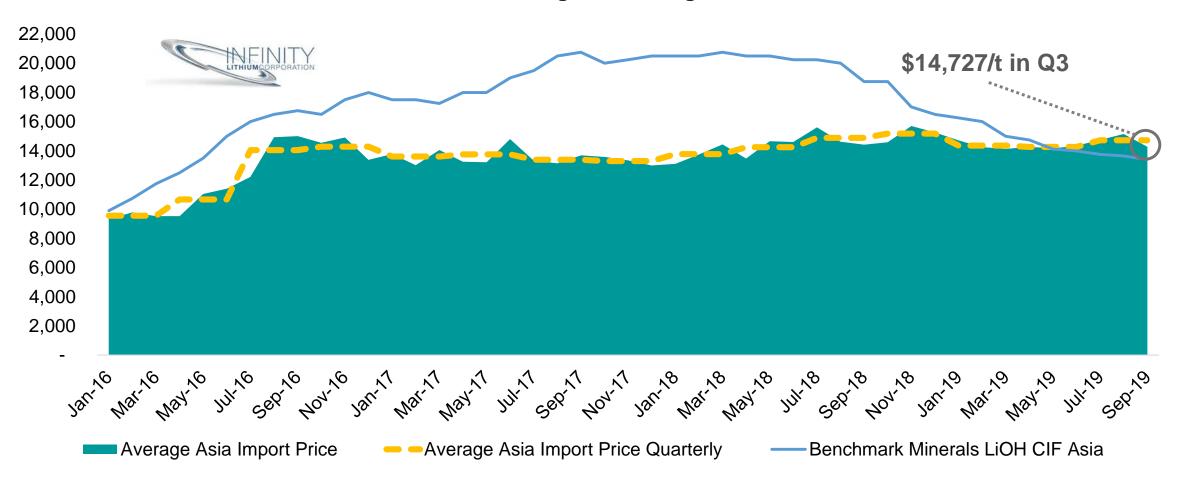








LiOH Asia Weighted Average Price



Weighed prices average for lithium hydroxide imports into Japan and South Korea from Chile, China, and the US. This represents 75% of the global LiOH trade and is mostly used in cathodes



INFINITY LITHIUM PROJECT LITHIUM HYDROXIDE PRE-FEASIBILITY STUDY

NPV ₁₀ Pre-tax \$	US\$860M	IRR Pre-tax	42.3%
Total Revenue From Lithium Hydroxide	US\$6Bn	CAPEX ² (Pre-production)	US\$268M
OPEX1·3	US\$5,434/t	Capital Intensity	\$US16K/t
Annual Production ³ of lithium hydroxide	15,000t/y	Project Life Mine Life	30 years 19 years
Resource (2 nd largest in EU, largest open pit based project)	1.6Mt LCE	Strip Ratio	0.43:1

100% Project Ownership Basis

- (1) Average C1 cost over 10 years of production including ramp-up and C1 cost at nameplate capacity is US\$5,043/t, without by-product credits. Potential tin and boron credits are available and are being assessed in the ongoing optimization studies.
- (2) Excludes contingency. Total pre-production CAPEX including contingencies US\$309m
- (3) First 10 years of production



5. A Sustainable, Low Carbon Footprint Operation



Integrated plant and proximity to end-markets lead to **very low transport footprint**, **reducing CO2 emissions** to a minimum





Using fertilizer or safe reagents for processing





Low water consumption, significantly less than in brine production, most of the water is recycled

Hard Rock
Spain
Water Consumption



All reagents necessary for lithium processing available domestically as opposed to importing them from thousands of kilometers away





5. A Sustainable, Low Carbon Footprint Operation





San Jose is

a unique

integrated

lithium

project,

fully

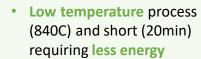
 Very small water requirement and most of the water is recycled All reagents available domestically

Chemical plant <3km away from the mine

- Roasting process uses safe reagents such as potassium sulphate
- Leaching process uses water which is almost entirely recycled

Very low strip ratio 0.43:1

Minimum waste



Able to supply end-users regionally, only a few hundred kilometers away

• Light footprint











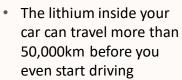
Spodumene mines have strip ratio over 4-10:1

More waste

Spodumene roasting is energy intensive (1,100C) and longer (35min)

Roasting in China involves large volumes of sulfuric acid, a hazardous and polluting chemical

Leaching also involves sulfuric acid



Heavy footprint

 Chemical plant <8,000km away in China

> Future chemical plants in Australia will still be 200-400km away from mine

> > Brine operations in South America require very large amounts of water in extremely dry locations

Water rights and environmental issues

Reagents often need to be imported from thousands of kilometers away



European lithium-ion battery industry in Europe a long term, large, and sustainable source of supply.

5. A Sustainable, Low Carbon Footprint Operation



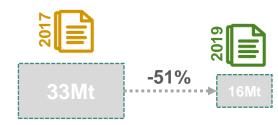


Our initial Mining License Application for lithium carbonate utilized a very simple and plain tailings and waste storage procedure. This resulted in a very large surface area being covered. It also impacted on our ability to capture more contained water within the tailing's material



We have reduced our total waste stored (~50%)

Total waste stored









Tailings Slurry

Our tailings are not a mud or slurry material, they are **dry stack tailings**. As opposed to slurry, our tailings contains little water and are safe to store without a need for a pond

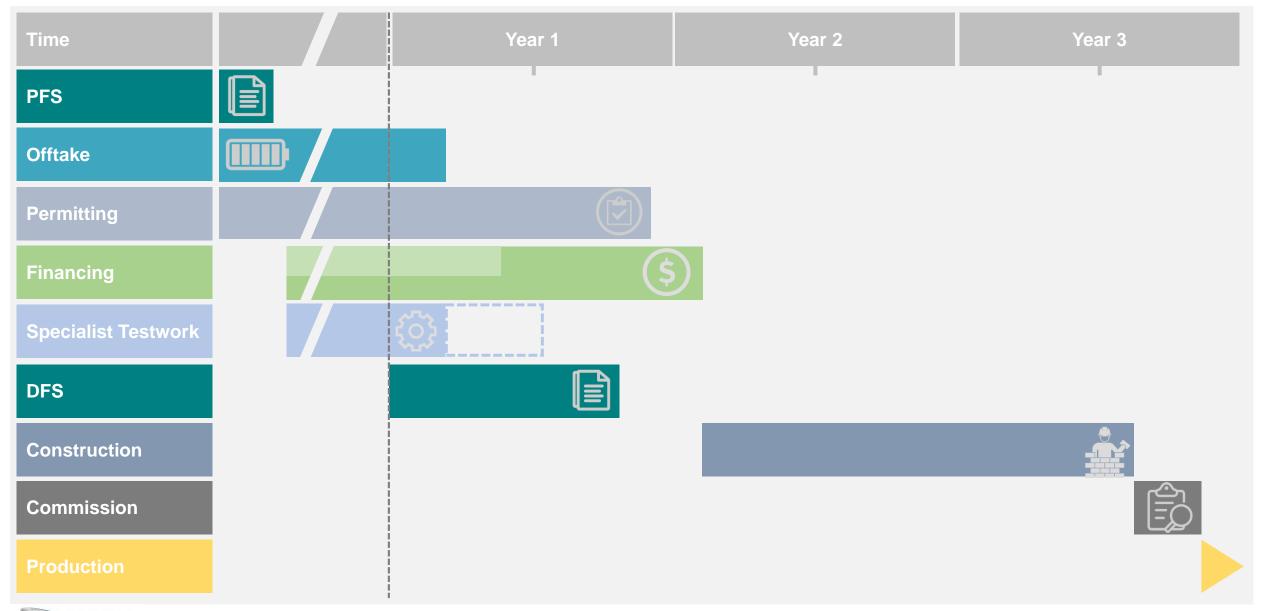
Dry stacked tailings process results contain initially 15-20% water in tailings which is then further utilized through a **recirculation** design

Drainage channels a large amount of this contained water where it is then **captured and reused**



6. San Jose Project Timeline







Summary





1- Infinity is Strategically Located to Support Strong Demand Outlook For Lithium In Europe



2- A Large And Long-Term Asset Supporting EV Growth



3-A Uniquely Fully Integrated Lithium Project



4- San Jose Lithium Project Supported by Strong Economics



5- Sustainable, Low Carbon Footprint Operation



6- A Unique But Time Constrained Opportunity For Spain & Extremadura

Board of Directors & Management



Adrian Byass
Non-Executive Chairman
(Interim Basis)



BSc Geol Hons, B. Econ

+20 years in the mining industry both in listed and unlisted entities globally, Non-Executive Executive Director of and listed and unlisted various entities, which have mining successfully transitioned to production in bulk, precious and specialty metals around the world

Currently on Boards of ASX phosphate, zinc and nickel companies.

ASX and AIM Board experience

Ryan Parkin Managing Director/CEO



CA ANZ BComm Accounting & Finance

+15 years experience in corporate development, accounting and finance in both listed and unlisted companies

Currently on Board of nonlisted mining industry entity Vincent Ledoux
Pedailles
Executive Director



MA Business

Background in consulting and research in the petrochemical industry, specialty chemicals, industrial minerals, base and minor metals

Led the Lithium & Battery Metals team at IHS Markit and involved in the lithium industry since the early 2010's starting with Talison Lithium

Appointed by the European Commission as a lithium expert to review the Critical Raw Material List Felipe Benjumea Llorente
Non-Executive Director



30 years in the renewable energy sector with experience in the development of industrial projects in 80 countries as Chairman. NASDAQ and IBEX experience.

Currently on the Boards of hydrogen companies in Spain and USA and member of the Board of Trustees in Spanish Universities and Foundation.

Awarded the Medal of Scientific Merit of the Center for Energy, Environmental and Technological Research (CIEMAT) and the Grand Cross of Naval Merit. Robert Orr CFO



Chartered Accountant
Acted as Chief Financial Officer and
Company Secretary for a number of
ASX listed companies, with over 30
years' experience in public practice
and commerce.

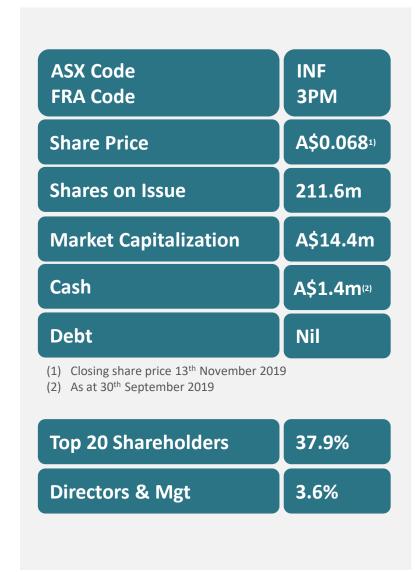
David Valls Technical Manager - Spain

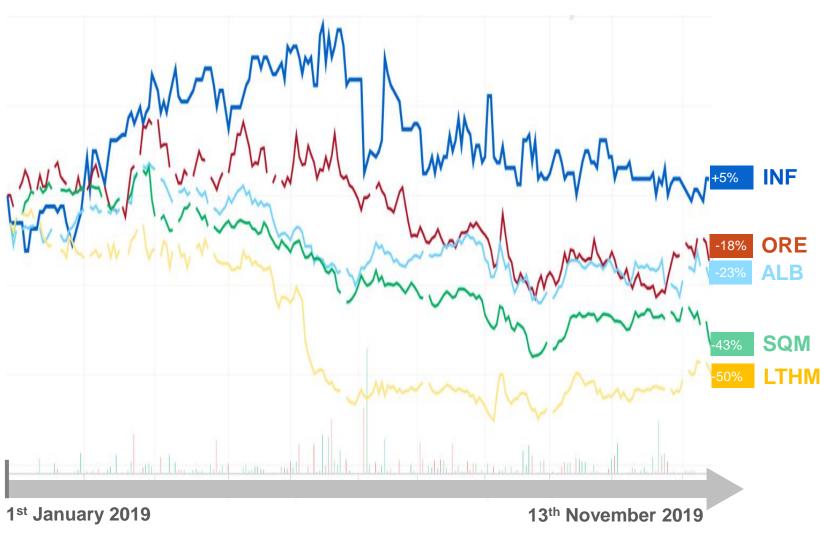
BSc Geology

+10 years in the mining and exploration industry in Europe and Africa as technical manager in the development of base and energy metals projects

Year To Date Lithium Stocks Performances











INFINITY LITHUM

Developing lithium production in Europe to power a renewable future





Infinity: The Best Large-Scale Integrated Project In The EU



Company	European Metals	Infinity Lithium	Savannah Res.	Bacanora	Keliber	European Lithium
Project	Cinovec - Czech Republic	San Jose - Spain	Mino do Barroso - Portugal	Zinnwald - Germany	Several - Finland	Wolfsberg - Austria
Mineral	Mica (Zinnwaldite)	Mica (Zinnwaldite)	Spodumene	Mica (Zinnwaldite)	Spodumene	Spodumene
Li2O (%)	0.40	0.82*	1.04	0.7	1.16	1.0
Mine	Underground 💩	Open pit	Open pit	Underground 💩	Open pit & Underground	Underground 💩
Conversion	Yes ##	Yes ##	No Mining Only	Yes ##	Yes ##	Yes ##
Resources	7Mt LCE	1.6Mt LCE	0.7 <mark>1Mt LC</mark> E	0.66Mt LCE	0.29Mt LCE	027M <mark>.t</mark> LCE
Stage	PFS Published	PFS Published	Scoping Study Published	FS Published	DFS Published	PFS Published
End-product	Li2CO3 or LiOH	LiOH	Spodumene	LiF	LiOH	LiOH
Opex \$/t (before credits)	4,876	5,434*	271 §	11,659***	5,358 🐧	7,160 (\$ (\$ (\$
By-product	Calculated Tin, tungsten & potash	Not calculated Tin & boron	Not calculated Quartz & Feldspar	Potassium sulphate	Not calculated - Analcime sand & quartz-feldspar sand	Not calculated Feldspar & Quartz
Capex	\$483M	\$268M**	\$109M	\$180M	\$370M	\$424M
Project life	21y (30y	11y 🕔	30y	13y 🕔	10y 🕓
Production	25,267tpy	15,000tpy*	175,000tpy spod.	7,285tpy***	12,000tpy	10,000tpy
Capex/t (\$/t)	19,100	16,200	n.a	24,708***	30,800 (\$ (\$	42,400 (\$ (\$ (\$
Comment	 High Iron Content Aggressive beneficiated feedstock at 2.7% Underground and siting across 2 countries 	 Numerous green credentials Pure European focus All infrastructure on site Gas Pipeline adjacent 	Export to China the only option today Not integrated	 LiF is a small market that could have excess supply with a large project 	 To buy feedstock after 13 years Operate at 7 different sites 	High CapexHigh OpexShort life

September News The European Li-ion Battery Supply Chain SASXINF

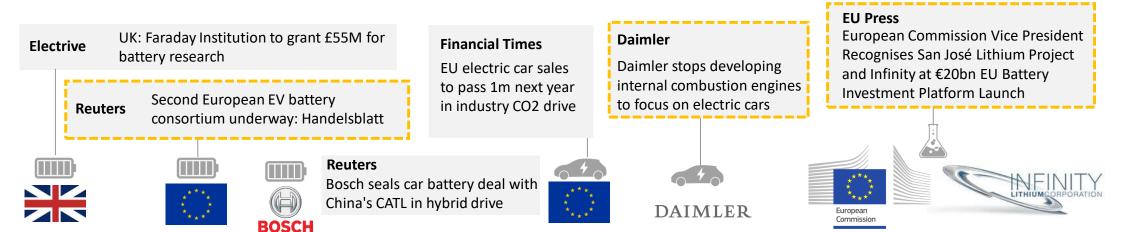


Electrive

BMW wants

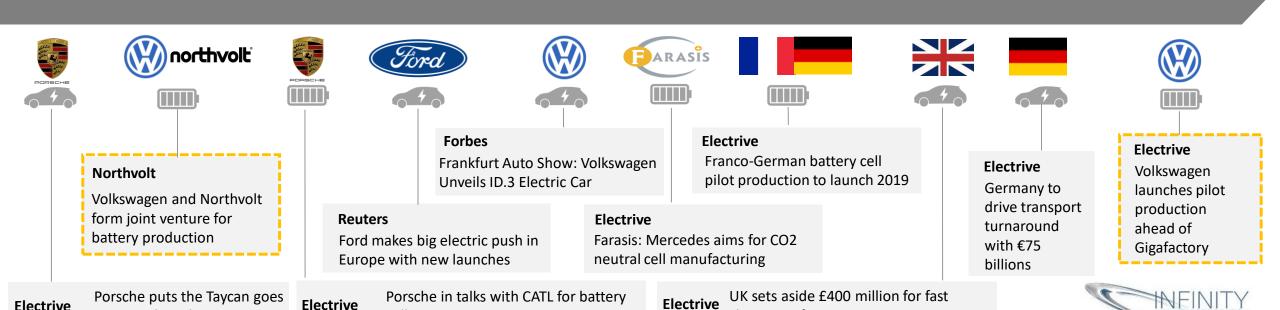
electric models

more fully



into serial production

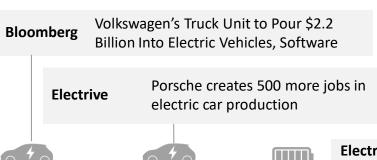
cells



charging infrastructure

October News - European Li-ion Battery Supply Chain





Standard & Poor's

Infinity Lithium steps closer to European funding for mine

Reuters

Denmark wants EU to phase out fossil fuel-powered cars by 2030



BMW is changing their resource strategy



neutral by 2039

Sky News

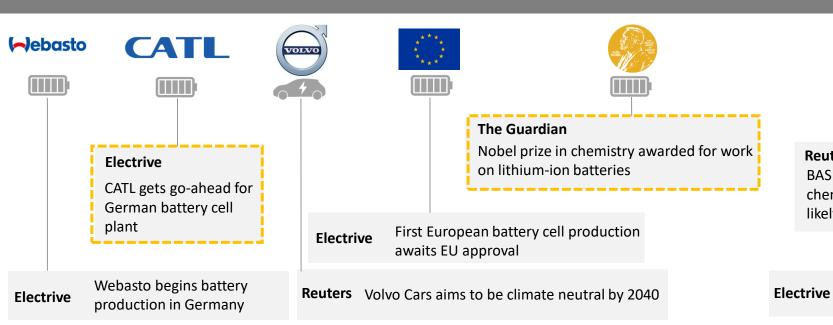
Honda to stop producing gasoline-only vehicles in Europe by 2022

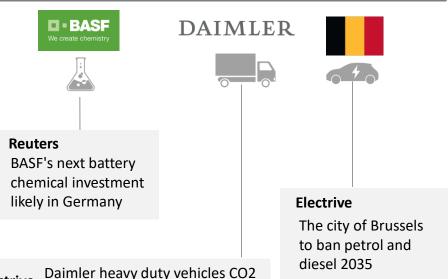


Leclanché becomes Bombardier's preferred battery supplier









Lithium Production From Mica – Not A New Process





There are at least 4 conversion sites in **China** converting Mica into lithium chemicals, and they all have plans to increase capacity:

- Jiangxi Motor / Burwill Joint Venture 5kt cap
- Jindi Lepidolite Processing Plant (Nanshi Group) 15kt cap
- Jianjxi Nanshi Lithium New Materials 20kt caps, target 60kt by 2020
- Jiangxi H-Zone Lithium Technology 20kt to 30kt in 2019 and 50kt by 2020





BASF, the largest chemical producer in the world, has concluded an MOU for an offtake of lithium hydroxide with **Desert Lion** who will be processing Mica into lithium chemicals

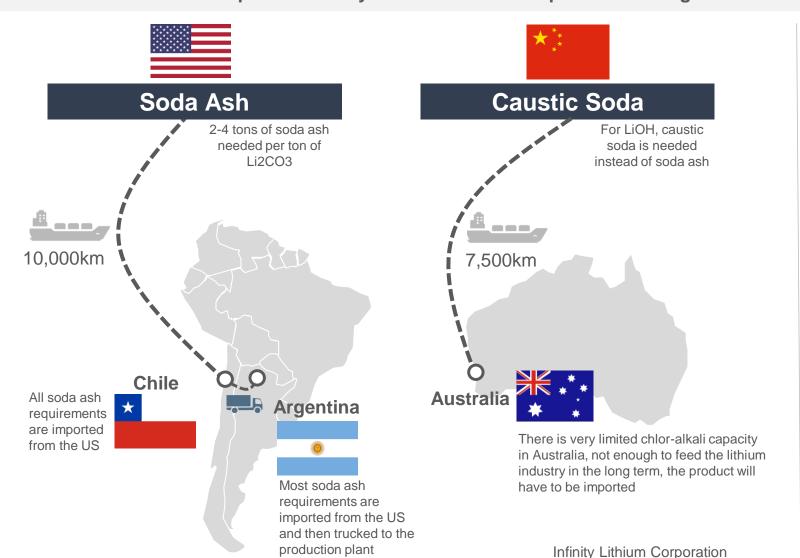


Fortescue Metals Group, the fourth largest iron ore producer in the world with AUD9Bn revenues in 2018, has applied for tenements in Portugal for potential lithium extraction, most likely from Mica

Lithium Processing Itself Should Improve Its Carbon Footprint



Lithium Chemicals production requires important volume of re-agents and most existing and future lithium chemical/conversion plants are very remote and have import those re-agents from very far away





Employment Opportunity



Direct Employment

Construction: up to 310 workers for ~2 years,

>€96M of salaries

Operational: >195 employees for up to 30 years, average salary at the plant estimated at €48,000/y ,more than €230M of salaries over the life of the project

✓ Mining: 40 employees (20%)

✓ <u>Processing site</u>: 120 employees (62%)

✓ Administration: 15 employees (8%)

✓ Corporate: 20 employees (10%)

Direct & indirect employment: > 1,000 jobs

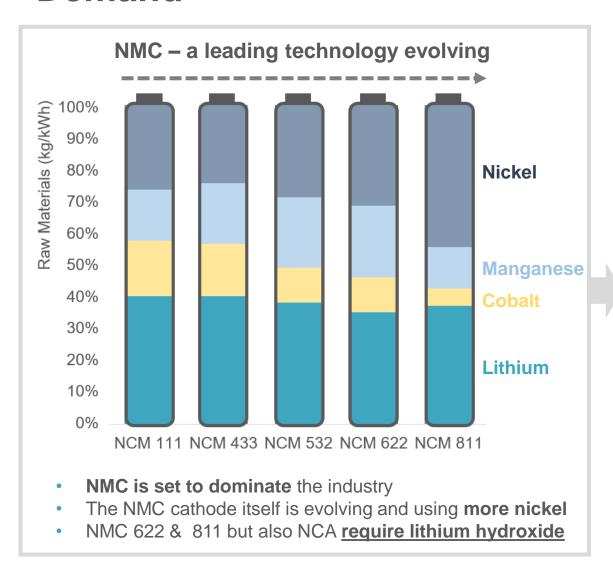
Indirect employment is anticipated to be in the range of 500-750 people in the surrounding area and towns.

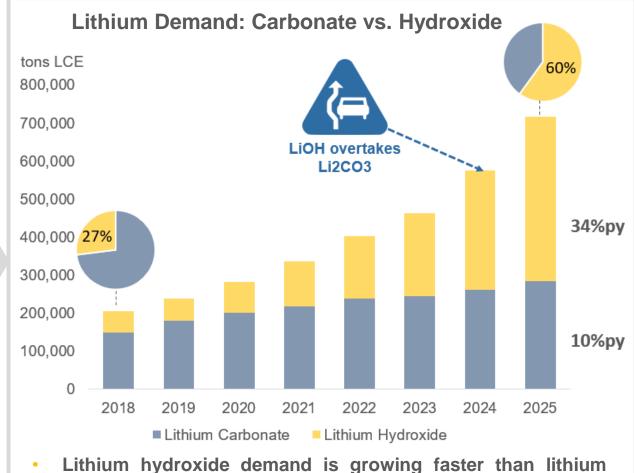




Cathode Technology Evolution Leading To Shift In Lithium Demand







carbonate and most of the recent investments in lithium chemical

plants have been in lithium hydroxide production

Source: BNEF, Canaccord

Source: Canaccord Genuity - Lithium | 2019 recharge



San Jose Lithium Project - Joint Venture Structure



