



# Neometals

## An Insiders View on the Lithium Industry

Goldman Sachs - Chemical Intensity Days

ASX Code: NMT    OTC/Nasdaq Intl: RDRUY

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**Mount Marion Project:** This document contains certain historical and forecast financial and production information regarding the Mount Marion Project and Reed Industrial Minerals Pty Ltd, the owner of the Project (Neometals: 13.8% shareholding). Neometals was not involved in preparing this information, which is taken from a 16 August 2017 announcement by Mineral Resources Limited, the operator of the Project (via its wholly owned subsidiary, Process Minerals International Pty Ltd). However, Neometals is not aware of any reason why that information is incorrect as released by Mineral Resources Limited.

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The information in this document that relates to “Barrambie Mineral Resource Estimates”, “Barrambie Pre Feasibility Study Results”, “Mt Marion Mineral Resource Estimates” and “Lithium Battery Recycling – Scoping Study Results” are extracted from ASX Releases set out below. The Company confirms that it is not aware of any new information or data that materially affects the information included in the ASX Releases set out below, and in the case of estimates of mineral resources, that all material assumptions and technical parameters underpinning the estimates in those ASX Releases continue to apply and have not materially changed.

6/12/2013	Barrambie - Amended JORC 2012 Mineral Resource Estimate
25/08/2015	Barrambie Pre Feasibility Study Results
27/10/2016	Mt Marion Mineral Resource Upgrade
22/02/2017	Lithium Battery Recycling – Scoping Study Results

The Company confirms that all the material assumptions underpinning the production target and the forecast financial information derived from the production targets in the Barrambie Pre-feasibility Study and Lithium Battery Recycling – Scoping Study continue to apply and have not materially changed.



# Agenda

**Lithium Demand**

**Lithium Supply**

**Neometals Business Model**

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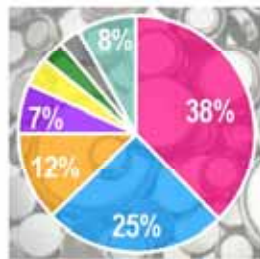


# Demand by Application It does everything!



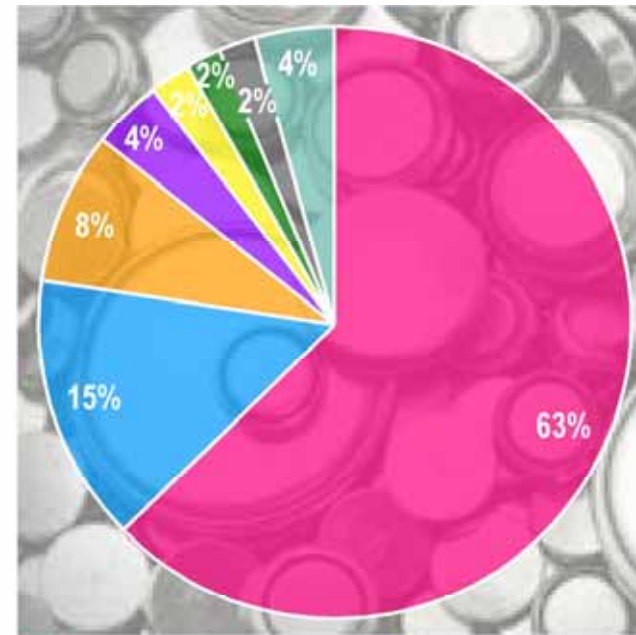
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Lithium Demand by Application - 2014  
(200,000t of LCE)



- Batteries
- Ceramics and glass
- Lubricating greases
- Metallurgy
- Air conditioning
- Polymers
- Medicine
- Others

Lithium Demand by Application - 2025  
(500,000t of LCE - forecast)



- Batteries
- Ceramics and glass
- Lubricating greases
- Metallurgy
- Air conditioning
- Polymers
- Medicine
- Others

Source: signumBox estimates

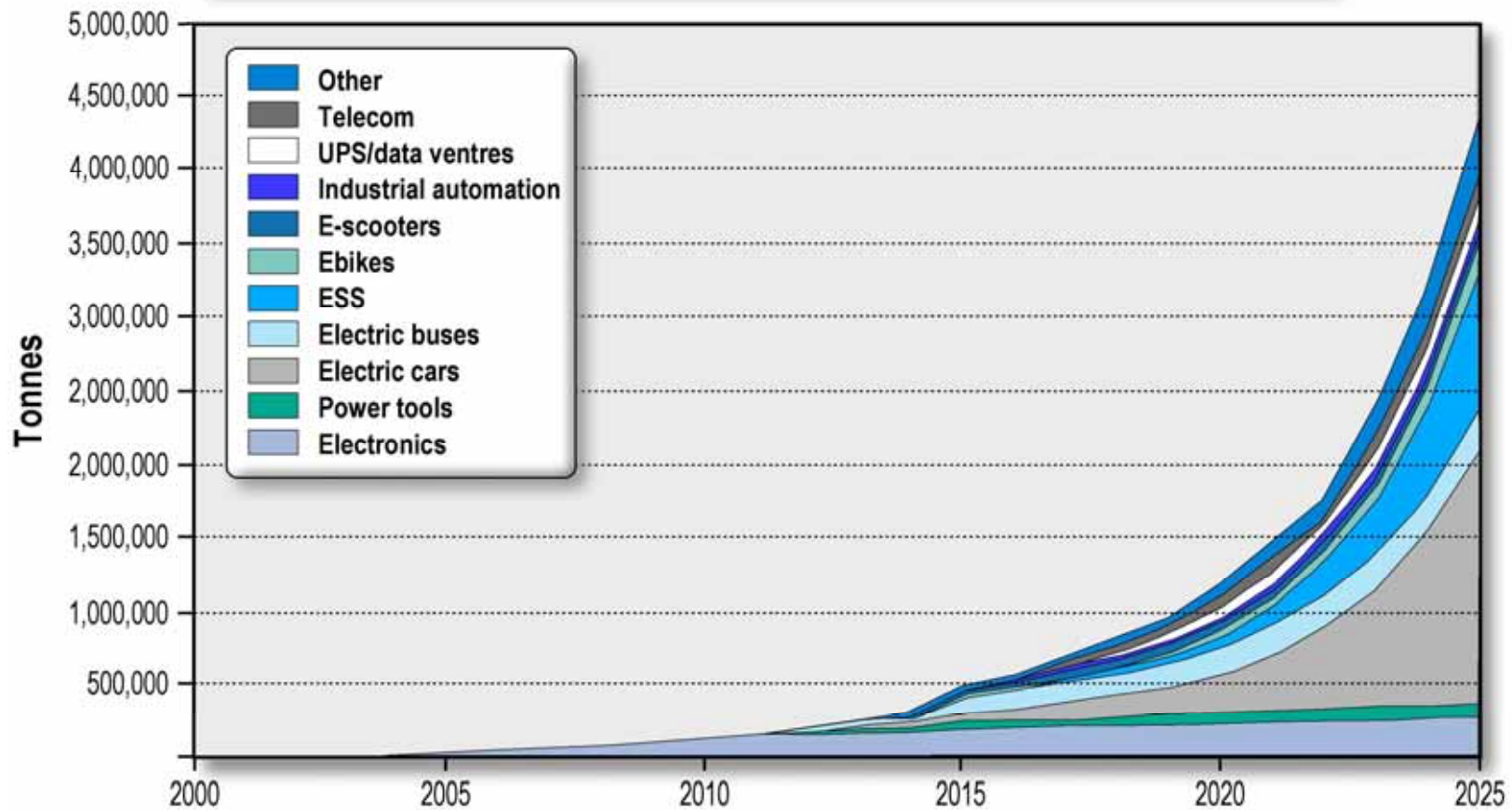
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# Battery Demand by Applications Its an EV and ESS Story



Lithium-ion Batteries Placed on the Global Market (cell level)

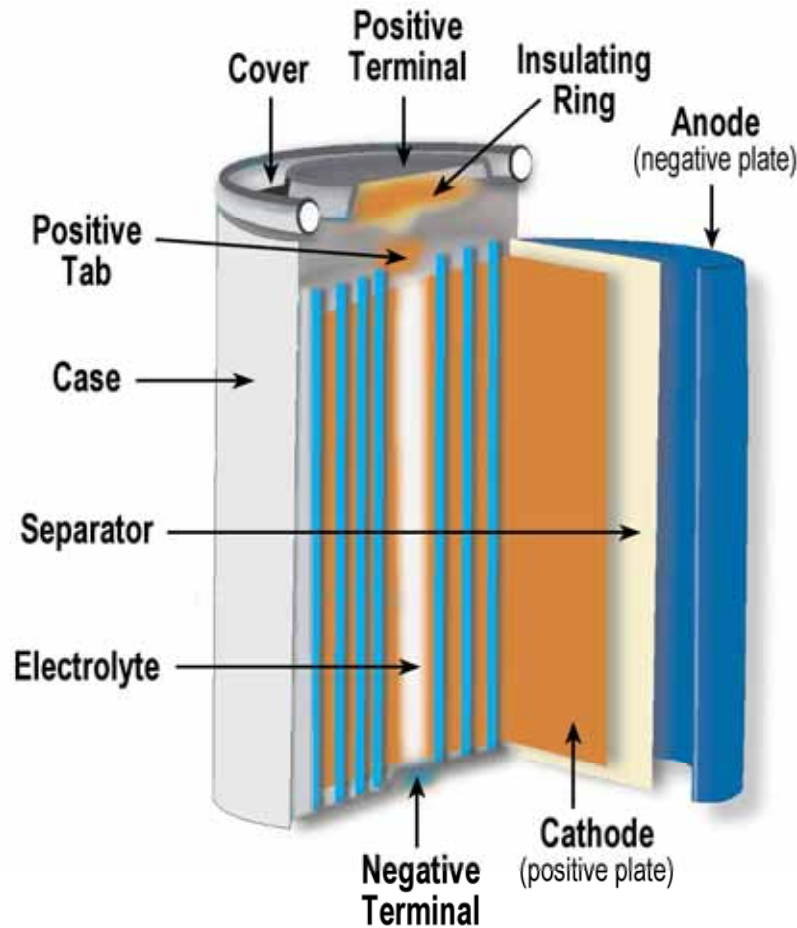


Source: Creation Inn

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# Li-Battery Schematic and Average Component Composition by Material



Lithium-ion Battery Component	Materials	Percentage (%) Composition
Cathodes	Li <sub>2</sub> CO <sub>3</sub> (lithium carbonate)	15-27%
	LiCoO <sub>2</sub> (lithium cobalt oxide)	
	LiMn <sub>2</sub> O <sub>4</sub> (lithium manganese oxide)	
	LiNiO <sub>2</sub> (lithium nitrogen oxide)	
	LiFePO <sub>4</sub> (lithium iron phosphate)	
	LiCo <sub>1/3</sub> Ni <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> LiNi <sub>0.8</sub> Co <sub>0.15</sub> A <sub>10.05</sub> O <sub>2</sub>	
Anodes	LiC <sub>6</sub> (graphite)	10-18%
	Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub>	
Electrolyte	Ethylene carbonate	10-16%
	Diethyl carbonate	
	LiPF <sub>6</sub> (lithium hexafluorophosphate)	
	LiBF <sub>4</sub> (lithium tetrafluorobate) LiClO <sub>4</sub> (lithium perchlorate)	
Separator	Polypropylene	3-5%
Case	Steel	40%

Source: Sullivan, L. & L.Gaines - 2010

Source: Chris Hillseth Enterprises - 2014

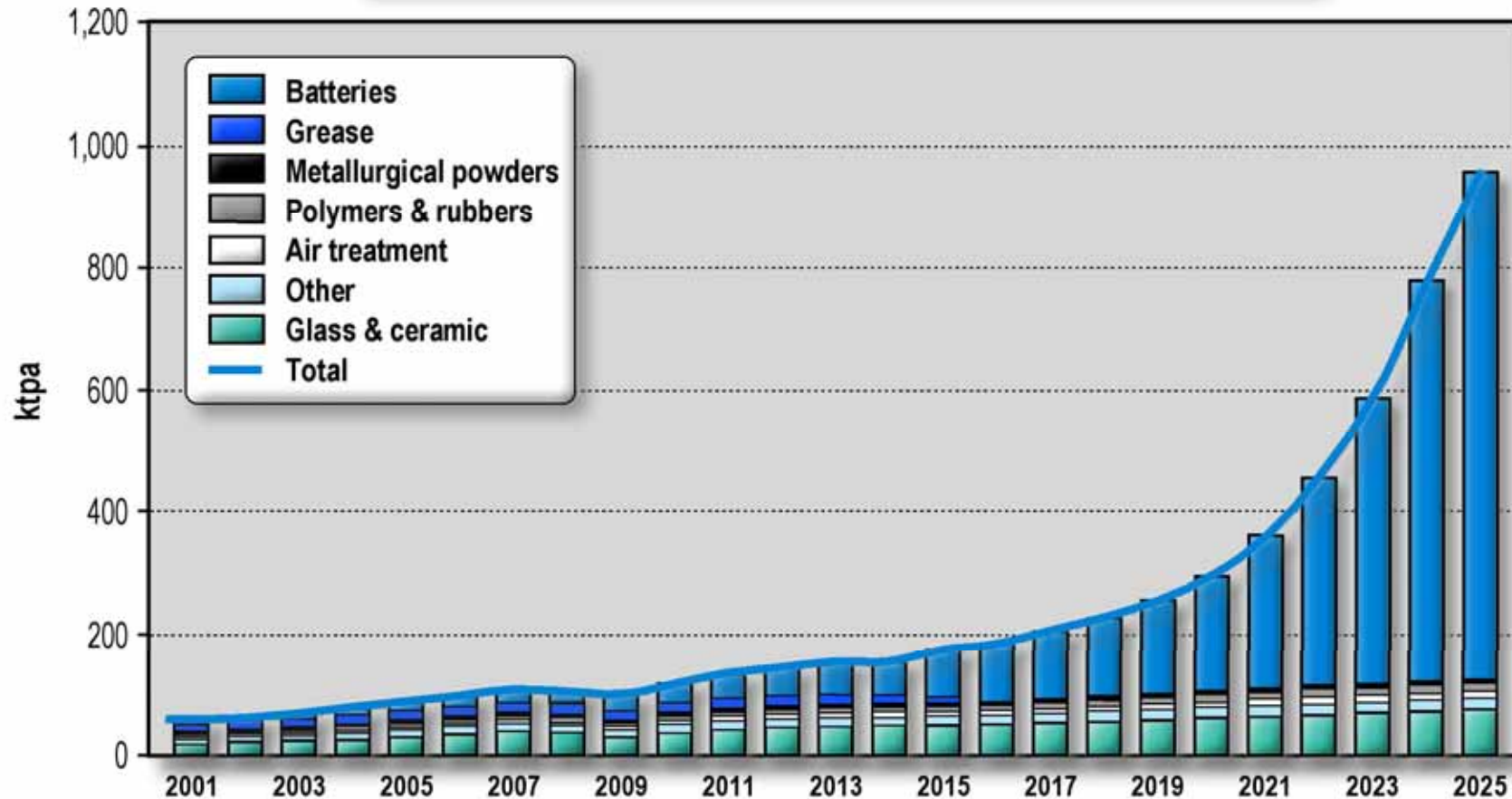
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# Battery Demand dominates overall Lithium Demand



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Source: Roskill, Benchmark Mineral Intelligence, company reports, UBS Research.

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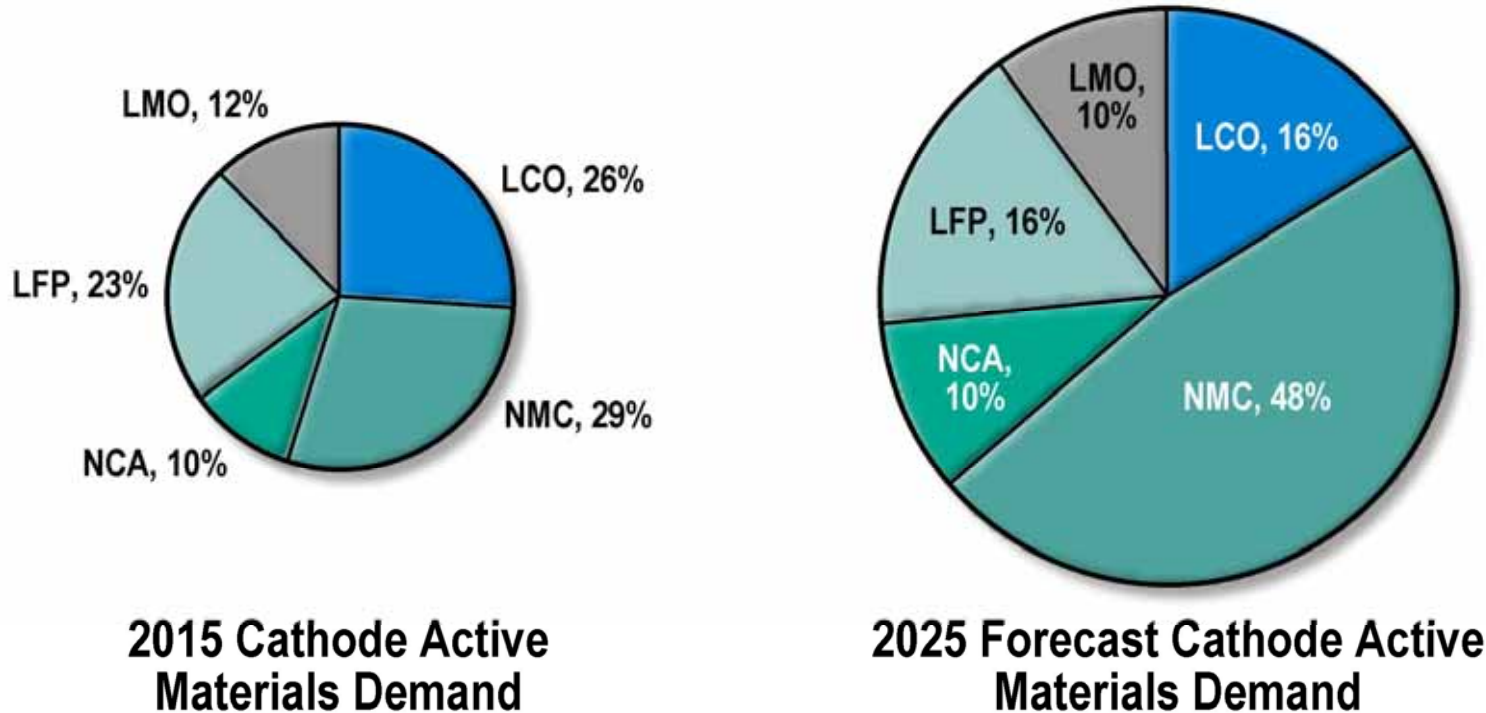
$$\boxed{\text{Li}} + \boxed{\text{Ti}} = \boxed{\text{Nm}}$$

# EV's and ESS use predominantly NCA/NCM



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## Cathode Active Material Demand Growth



Source: Avicenne

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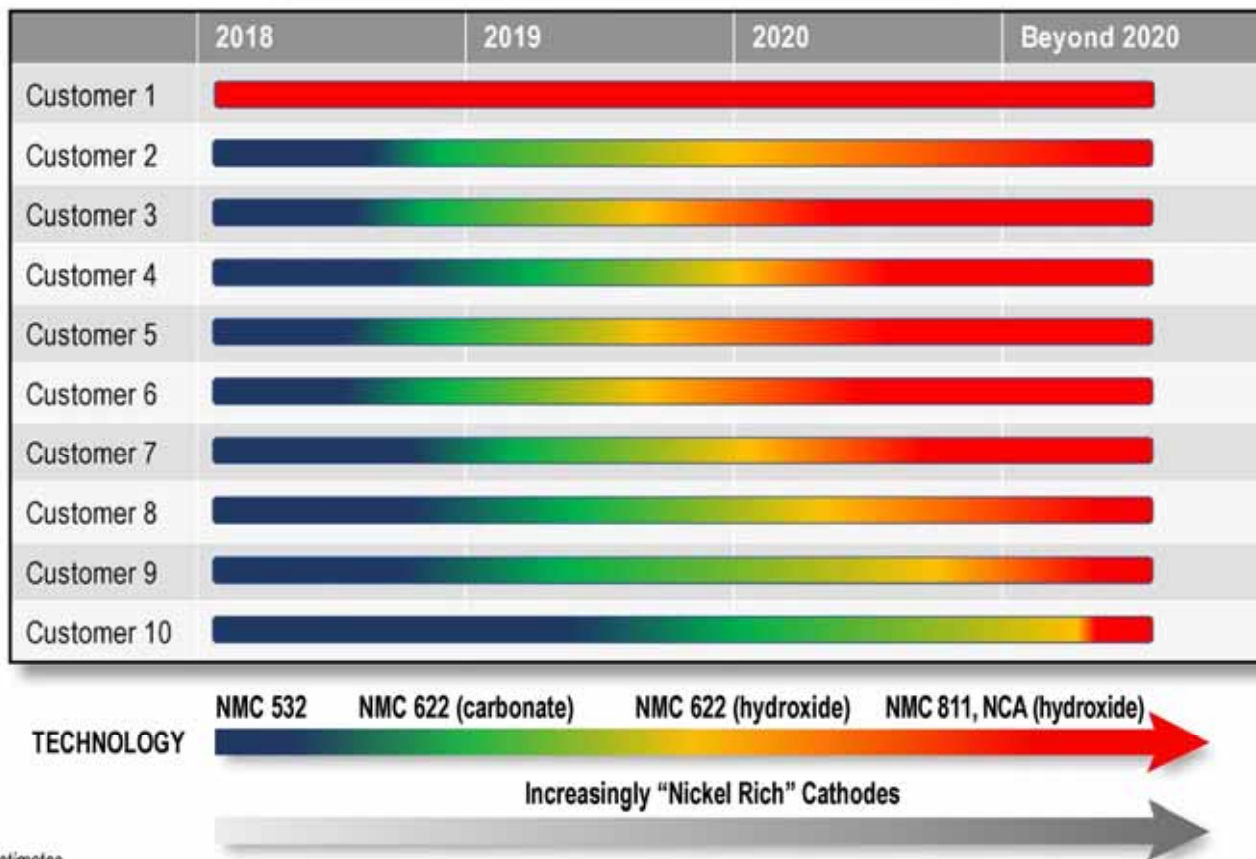


# NMC trend for less cobalt, more nickel = more LiOH



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## Trends in EV Battery Technology



Source: RMC Estimates



# We forget Stationary Storage is economic now....no subsidy needed



## Auto Era yet to arrive

- No deals with big Auto players yet struck
- Tesla only EV player to have secured some lithium
- Price curves not yet being driven by Auto contracts
- Auto demand being seen via battery and cathode consumption



## Has utility/stationary been underestimated?

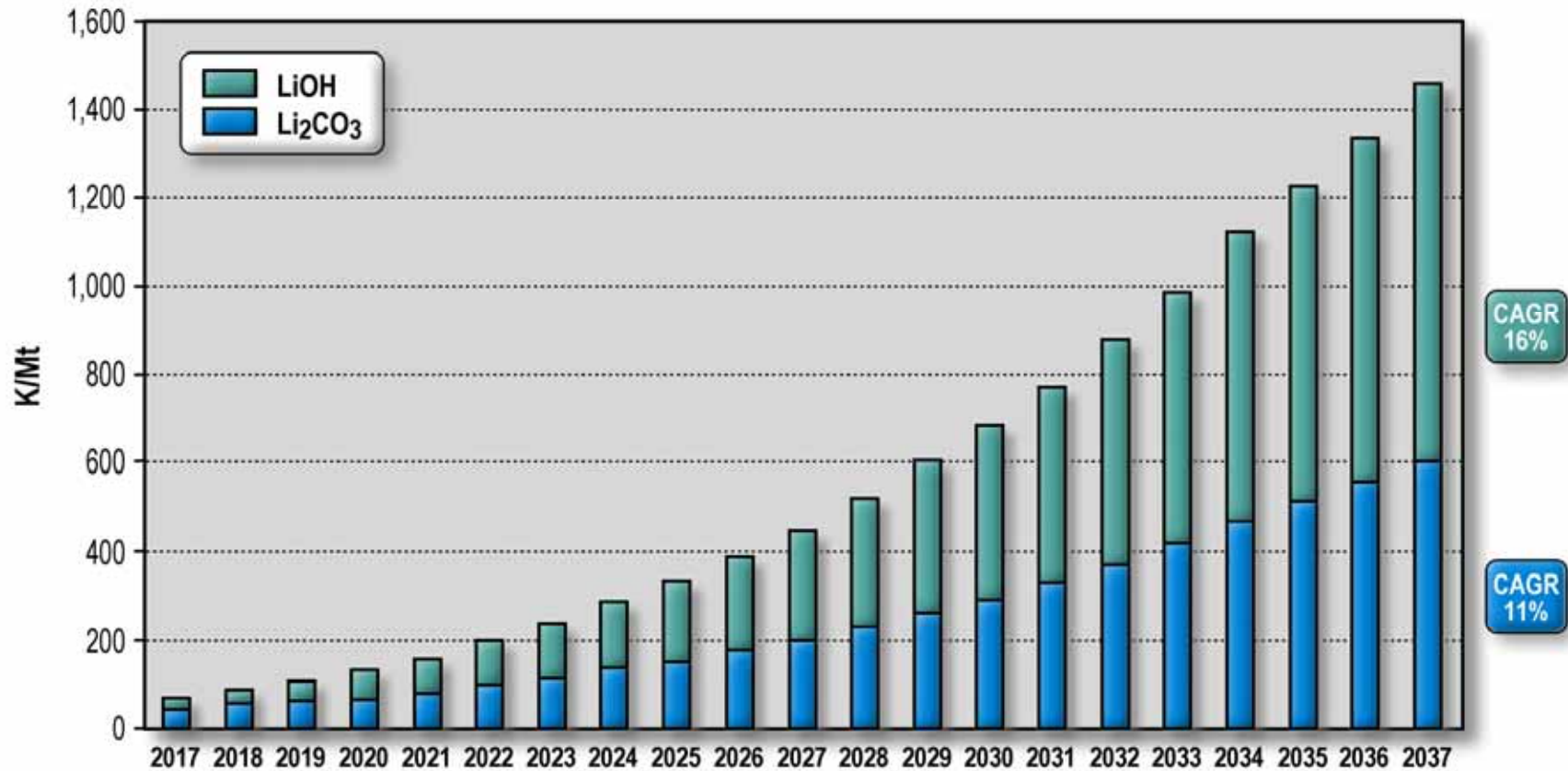
- Two landmark projects in 2017
  - Aliso Canyon, USA**
    - 326MWh installed and operating in 8 months
  - Tesla, Hornsdale, South Australia**
    - 129MWh in 3 months

1 = Utility batteries are getting bigger  
2 = They are being installed quicker



Source: Benchmark Mineral Intelligence

# Battery Demand by Compound



Source: signum BOX estimates

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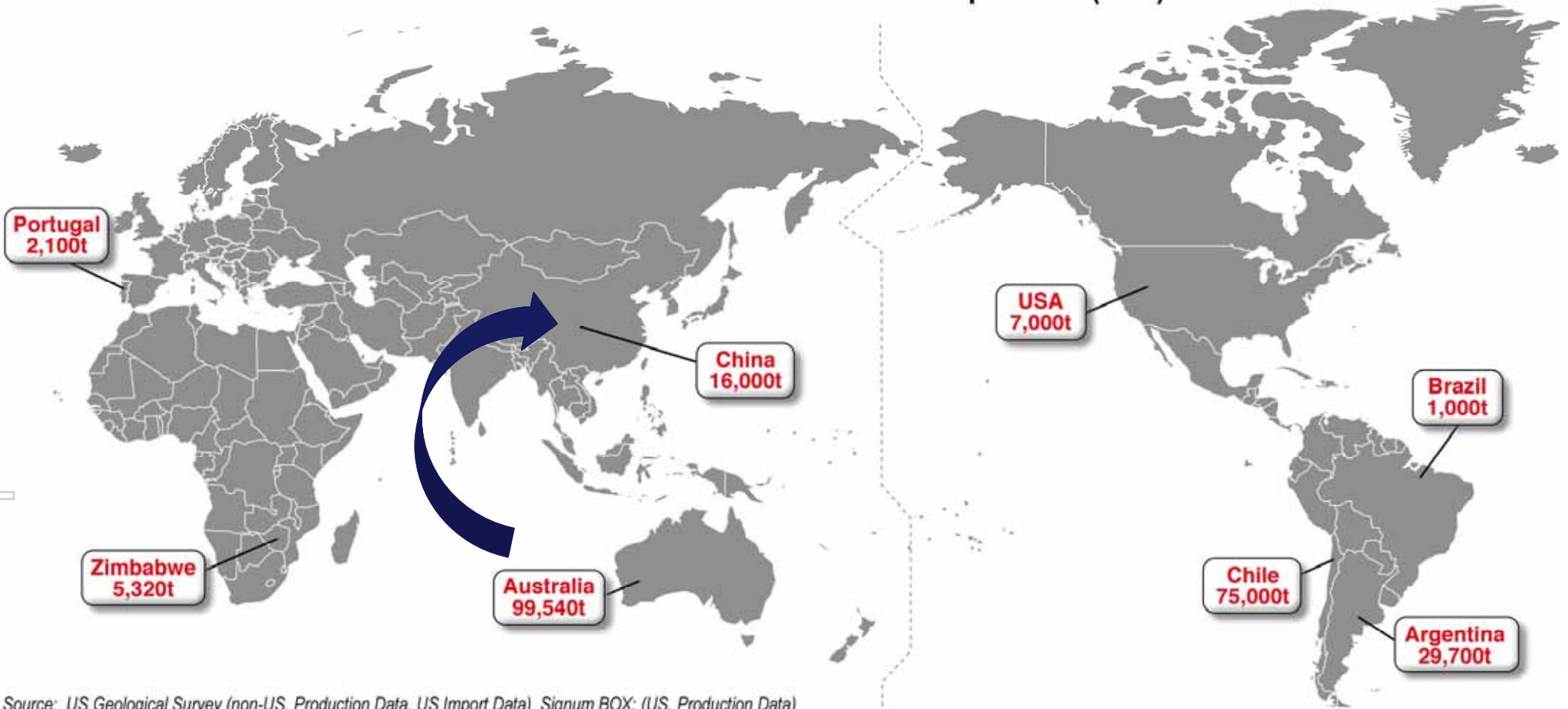
$$\text{Li} + \text{Ti} = \text{Nm}$$

# Feedstock Sources

## 50% Rock, 50% Brines in 2017



Mine Production in 2017 of Contained Tonnes of Lithium Carbonate Equivalent (LCE)



Source: US Geological Survey (non-US. Production Data, US Import Data) Signum BOX: (US. Production Data)

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# Supply Response - Hardrock



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Company Name	Scheduled Project & Capacity	Timeline for the Projects
Jiangxi Jiujiang Ronghui Lithium	8,000 tonnes of battery grade Li <sub>2</sub> OH 8,000 tonnes of battery grade Li <sub>2</sub> CO <sub>3</sub>	Finish construction in Q1 2018, and begin to produce in Q2 2018
Jiangxi Yun Lithium Materials	15,000 tonnes of Li <sub>2</sub> CO <sub>3</sub>	Finish construction in Q1 2018, and begin to produce in Q2
Tianqui Lithium	24,000 tonnes of Li <sub>2</sub> OH	End of 2018
Hebei Tianyuan Lithium Materials Co. Ltd	12,000 tonnes of Li <sub>2</sub> CO <sub>3</sub> 4,000 tonnes Li <sub>2</sub> OH	Early 2018
Jiangxi Special Motor	20,000 tonnes of Li <sub>2</sub> CO <sub>3</sub> 5,000 tonnes Li <sub>2</sub> OH	Begin production in first half of 2018
Sichuan Dingsheng Lithium	5,000 tonnes of battery grade Li <sub>2</sub> CO <sub>3</sub> 5,000 tonnes of battery grade Li <sub>2</sub> OH	Early 2018
Sichuan Zhiyuan Lithium	10,000 tonnes of battery grade Li <sub>2</sub> CO <sub>3</sub> 5,000 tonnes of Li <sub>2</sub> OH	Finish construction in Q1 2018
Jiangxi Ganfeng Lithium	20,000 tonnes of Li <sub>2</sub> OH 17,500 tonnes Li <sub>2</sub> CO <sub>3</sub>	Finish construction in Q1 and Q3 2018 respectively
Fancy Resources	10,000 tonnes of battery grade Li <sub>2</sub> CO <sub>3</sub>	Finish construction and put into production in Q2 2018

Source: Zhang Jianfeng, director at China Nonferrous Industry Association's lithium branch

**Current Chinese Conversion Capacity**

**110-120k LCE**

**+170k LCE coming on stream 2018/19**

**Australia is building spodumene capacity to match**

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# Supply Response - Brine



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	Size	Est Timing
ALB	40kt	20/21
FMC	20kt	2019
LAC	25kt	2020
ORE	25kt	19/20
SQM	50kt	19/20

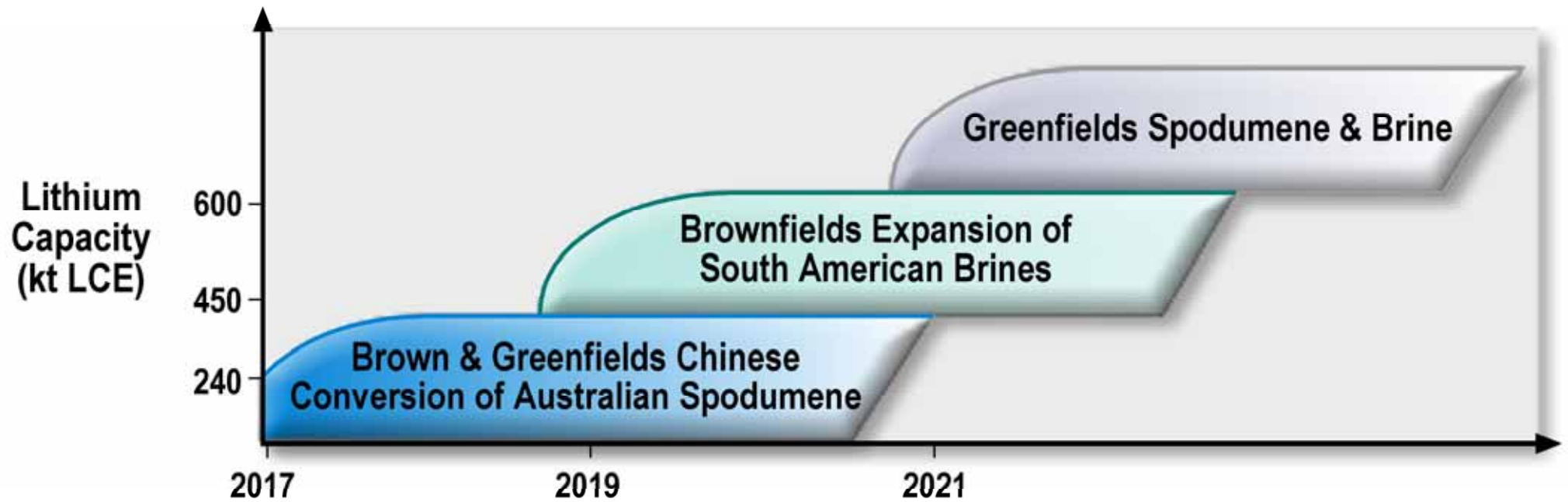
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# Supply Growth Summary



## Capacity Growth Horizon & Key Sources



Source: Neometals 2018

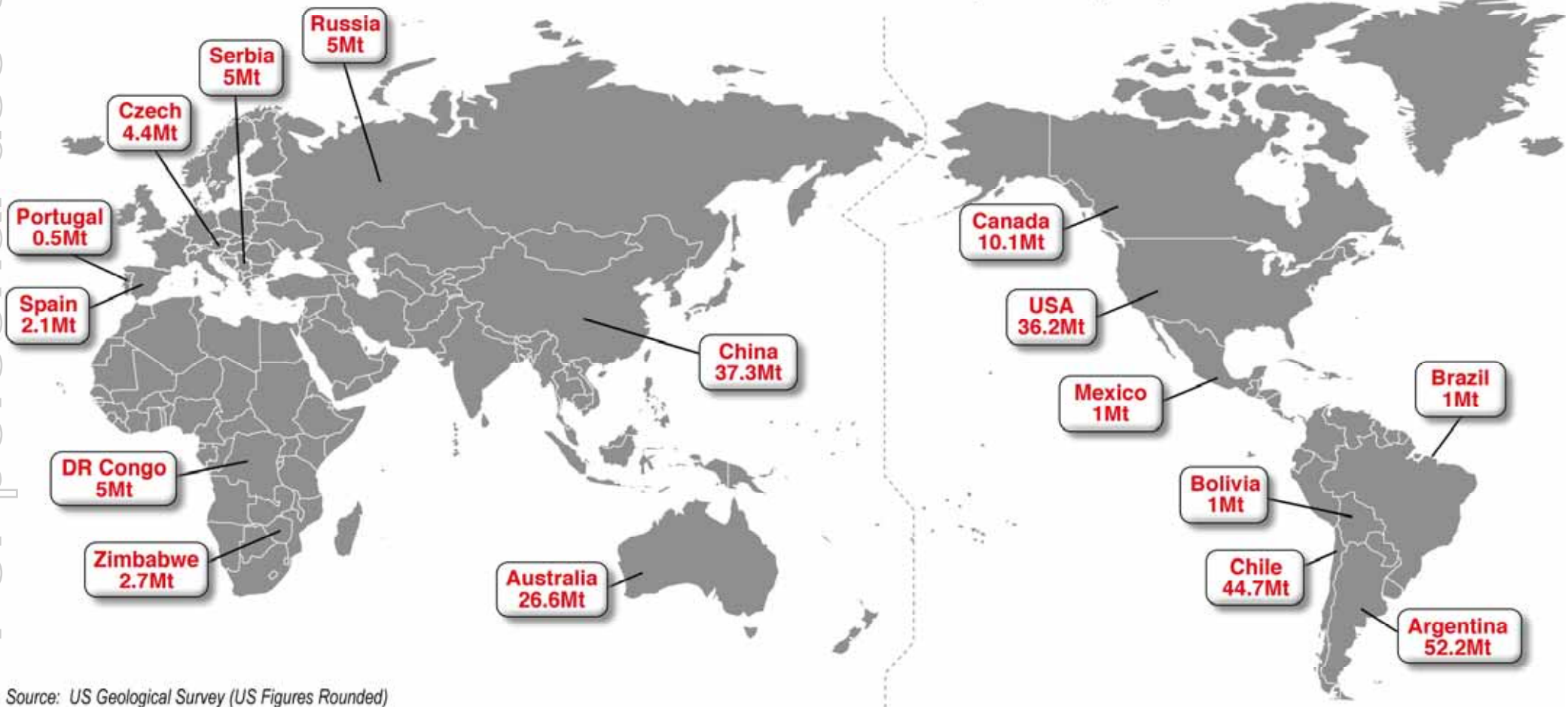
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# Security of Supply

## Relatively abundant but capital intensive



World Resources in 2017 of Contained Tonnes of Lithium Carbonate Equivalent (LCE)



Source: US Geological Survey (US Figures Rounded)

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# Security of Supply - Entry Barrier Analysis of Li-Battery Supply Chain



	Upstream Resources	Lithium Compounds	Cathode Materials	Lithium Hexafluorophosphate	Electrolyte	Lithium Batteries
<b>Entry Barrier</b>	High	High	Low	Medium	Low	Medium
<b>Capital Requirement</b>	High	Medium	Low	Low	Low	Medium
<b>Production Know-how</b>	Medium	High	Low	High	Low	Medium
<b>Clear Industry Standard</b>	Yes	Yes	No	Yes	Yes	Yes
<b>Access to Raw Material</b>	Medium	Hard	Medium	Medium	Medium	Easy

Source: Ganfeng Lithium 2018

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# Security of Supply

## Don't count on importing from China



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Lithium Battery Megafactory Capacity  
by Proponent & Region by 2023  
25 Megafactories - 338 GWh Capacity

Source:  
**BENCHMARK**  
MINERAL  
INTELLIGENCE  
2018



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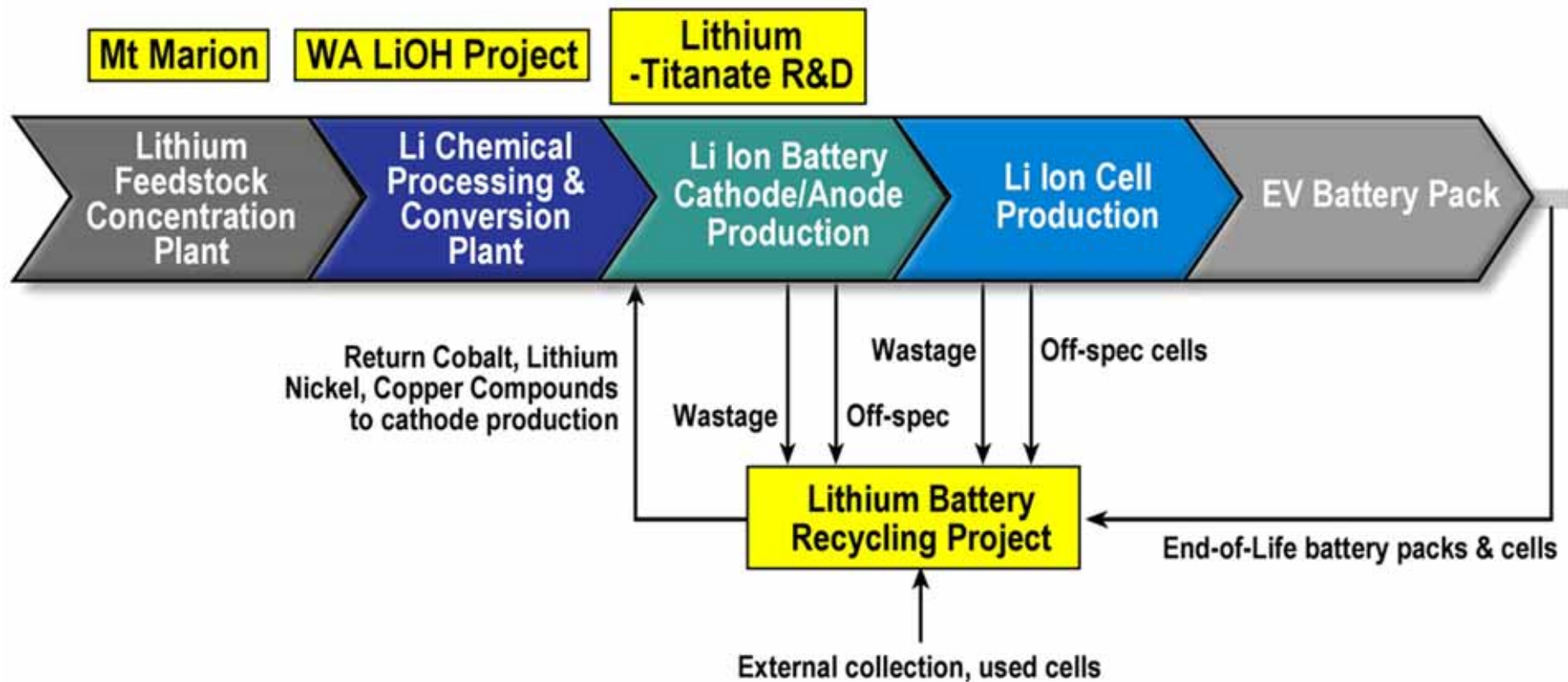
All the right elements



# Aim to develop the most sustainable, highest-margin lithium business



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# Upstream processing Lithium Concentrate

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# Globally Significant Operation – 450kt concentrates pa (~55kt LCE)



- 1H FY18 EBITDA  
A\$52M (100% basis)
- 1H FY18 Profit  
A\$7.35M (NMT share)
- NMT shareholder loan  
A\$8.2M



- NMT owns 13.8%
- Large Resource – 78Mt\*
- Open at depth/along strike
- Processing 2.4Mtpa
- Operating at steady state
- Expansion to produce all 6% Li<sub>2</sub>O concentrates



\* Refer supporting information

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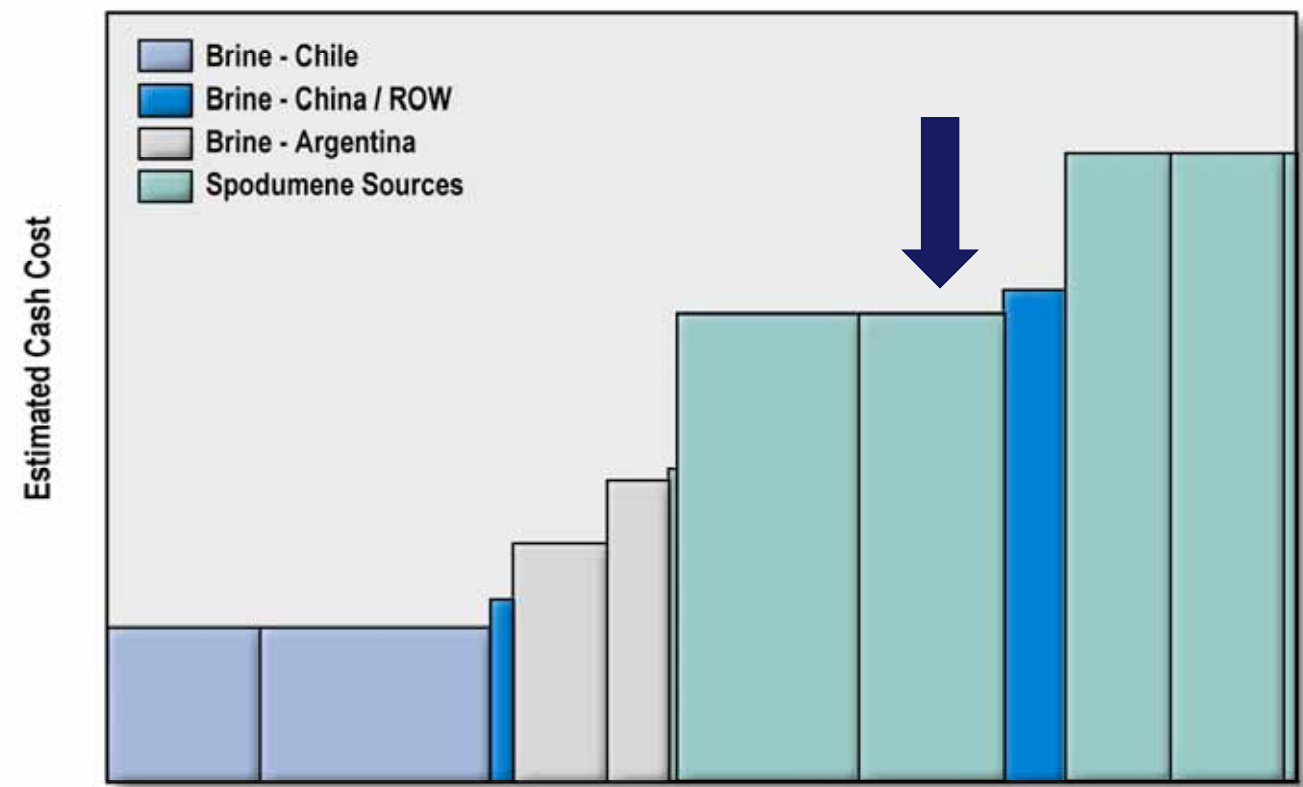


# Exceptional Margins but 3<sup>rd</sup>/4<sup>th</sup> Quartile Cost Producer



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Lithium Supply Outlook - 2017 Cost Curve



Source: FMC - Cost Curve, NMT - Mt Marion Position

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$$\boxed{\text{Li}} + \boxed{\text{Ti}} = \boxed{\text{Nm}}$$



# Downstream processing WA-based LiOH Project

Neometals 100%

Offtake Option for min 12.37% ~50ktpa spodumene concentrates

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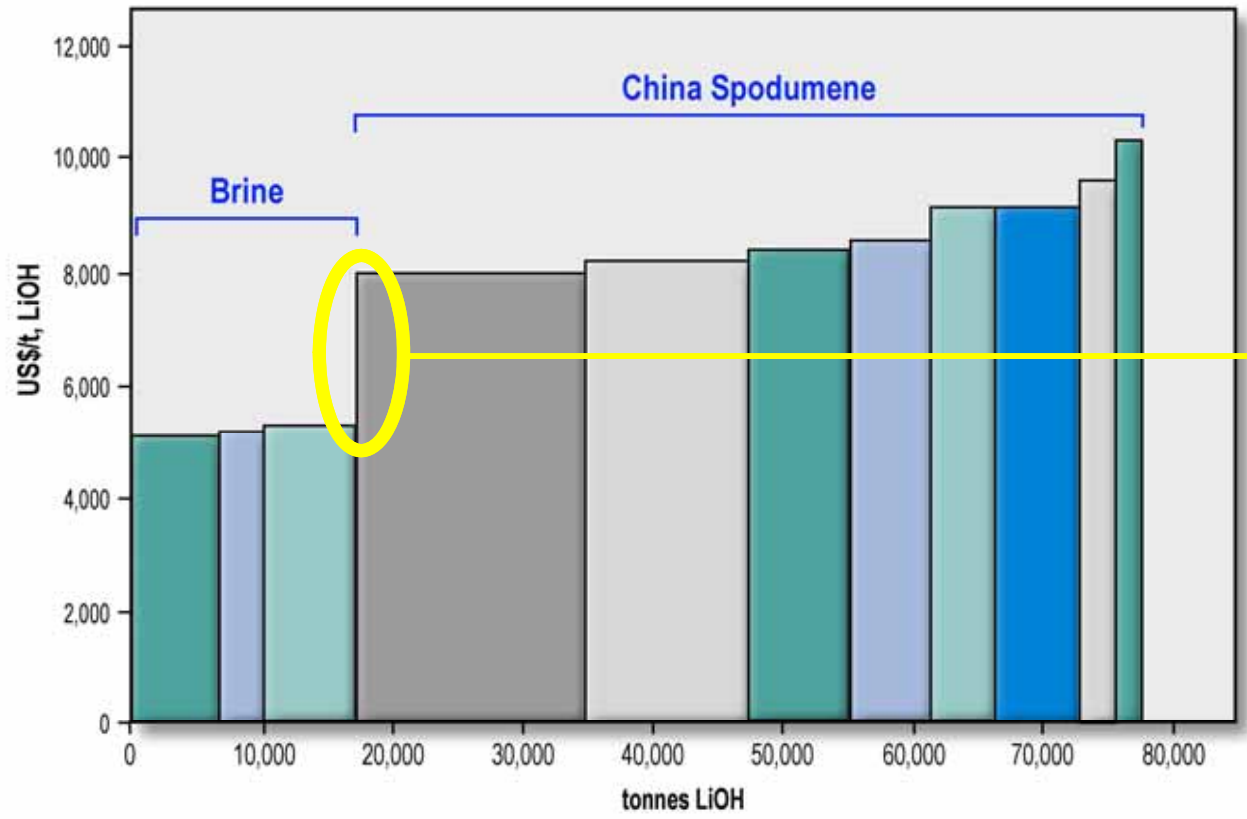


# Build a sustainable cost-competitive supply for Western battery supply chain



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**Lithium Hydroxide:  
Est. Industry Unit Cash Costs 2017**



**7 t of Spodumene Concentrate per tonne of LiOH**

**Local Processing means:**

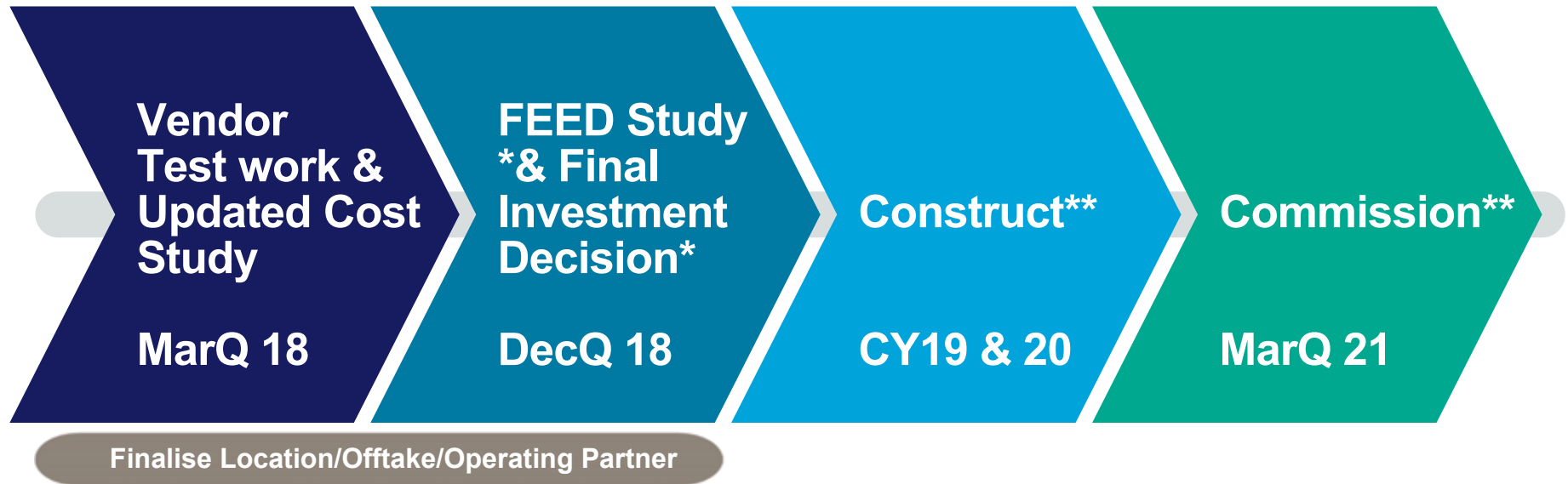
- No road transport to port
- No port/shipping costs
- No VAT (17%) on import into China

Source: Management estimates

# Commercialisation Plan



- Local plant to minimise transport from Mt Marion  
7t spodumene concentrate needed for 1t of LiOH
- Utilise local natural gas, sulfuric acid and workforce
- Conventional flowsheet -Remove technology risk – speed to market



(\*) Subject to NMT Board Approval    (\*\*) Subject to FID



# Downstream processing Lithium Battery Recycling

Neometals 50% of IP (5 US Prov. Pats)  
Exclusive licence to commercialise

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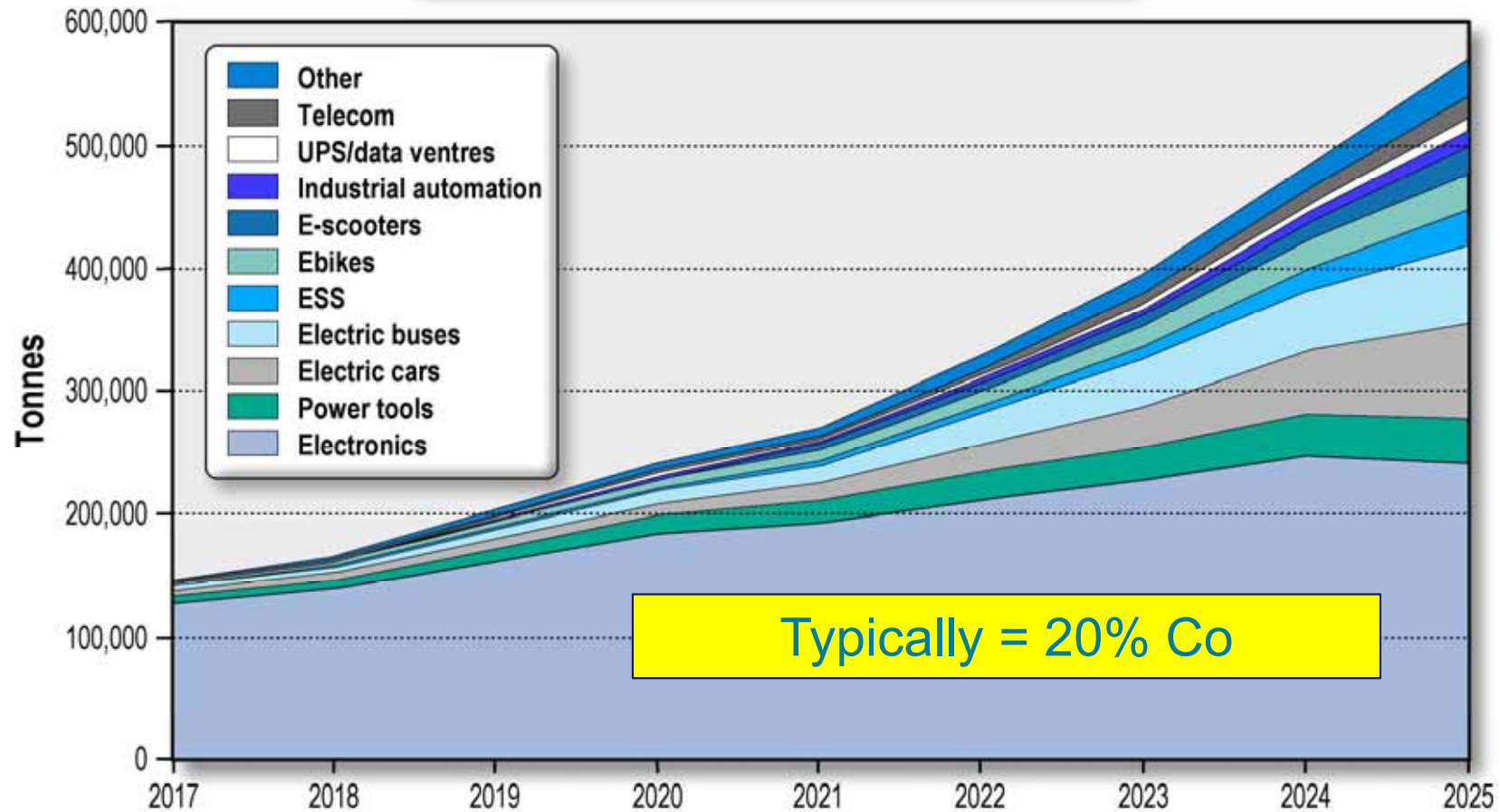


# Less than 5% Li-ion batteries are recycled



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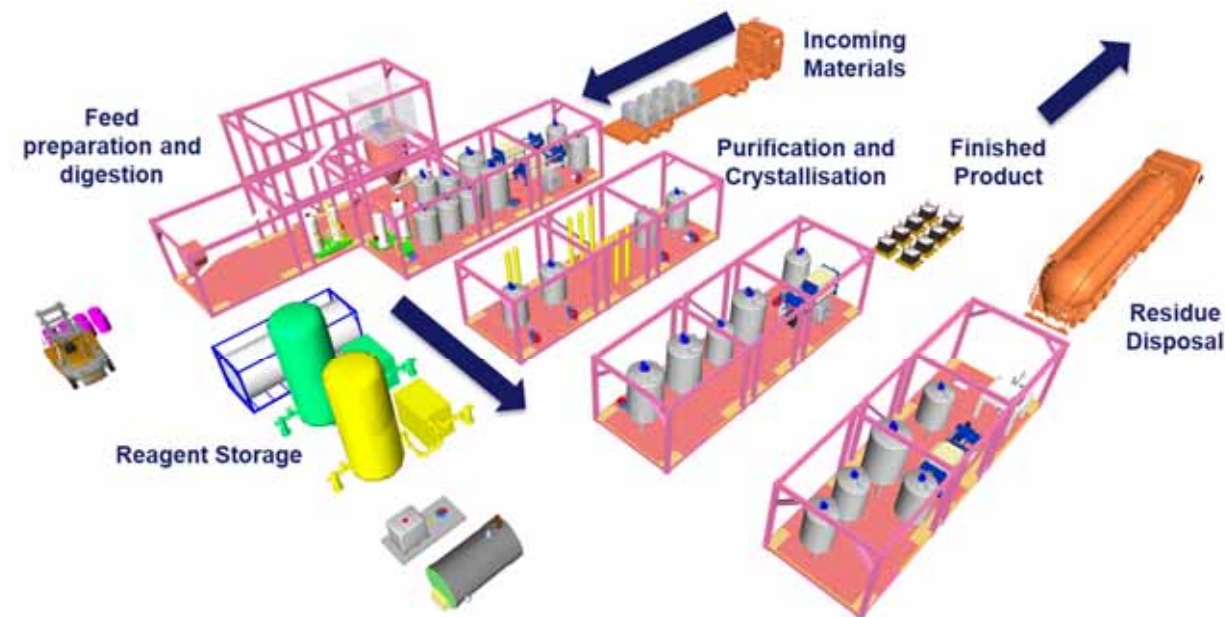
### Lithium-ion Batteries EOL (2017-2025)



Typically = 20% Co

Source: Creation Inn

# Demo Plant Schematic and Study Results



Plant footprint approx. 30m x 50m

## Scoping Study Results 2017

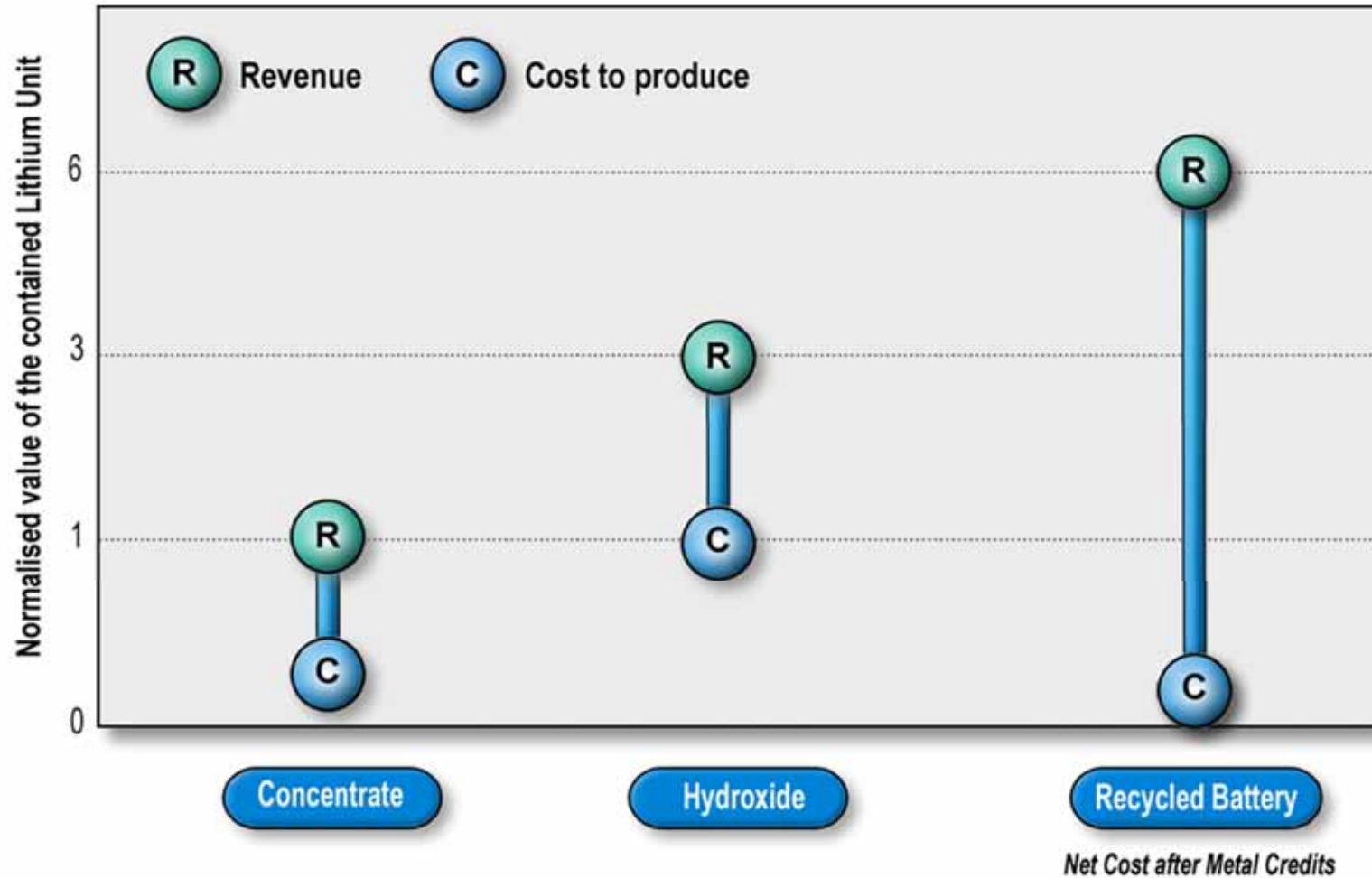
(± 30% accuracy)

- Operating Costs  
US\$4.45/lb Co (US\$10k/t)
- Spot Price used  
US\$25/lb Co (US\$55k/t)
- Capex US\$4.5M
- Pilot Plant being commissioned.
- Can be constructed and commissioned in 42 weeks

# Downstream Processing and Recycling ensure we maximise Li unit value



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# Thank you

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SUPPORTING INFORMATION



Li

# Mt Marion Lithium Operation



Neometals 13.8%

through Reed Industrial Minerals Pty Ltd

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# Strong Operating Partner



- ✓ Australia's largest contract minerals processor
- ✓ Operate mine-to-port on BOO basis
- ✓ No upfront capital cost to NMT
- ✓ Minimum production levels (~50ktpa LCE)
- ✓ Fixed rate mining and processing costs

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# Mine Production\*



Mt Marion Project		H2 FY17	H1 FY18
6% Tonnes exported	000 WMT	50.0	109.0
4% Tonnes exported	000 WMT	66.0	93.0
Total Tonnes exported (100%)	000 WMT	116.0	202.0
Revenue	A\$/WMT	782.9	808.9
C1 costs	A\$/WMT	570.9	474.9
Total expenses	A\$/WMT	658.0	548.4
EBITDA	A\$/WMT	124.9	260.5

Notes:

- Costs include arms length mining infrastructure service agreements with MRL
- RIM went into commercial production on 1 March 2017. The production costs net of sales receipts of 37Kt of spodumene produced pre 1 March 2017 were capitalised in line with accounting standards. Accordingly, unit revenues and costs set out above for 2H FY17 are derived on 79Kt of spodumene produced post commercial production

# Outstanding Offtake Agreement



- ✓ China's largest, most diverse lithium producer
- ✓ Life-of-Mine, Take-or-pay Offtake Agreement
- ✓ From 1 July moving to transparent Lithium Carbonate/Lithium Hydroxide linked formula, with floor price protection – US\$841/t CIF for SepQ
- ✓ Letter of Credit (100% payment on invoice)
- ✓ Neometals Option to take min 12.37% Offtake of production from 2020 onwards.

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# Mineral Resource Estimate

Mt Marion Lithium deposit, as at October 2016, for a block cut-off grade of 0.5% Li<sub>2</sub>O



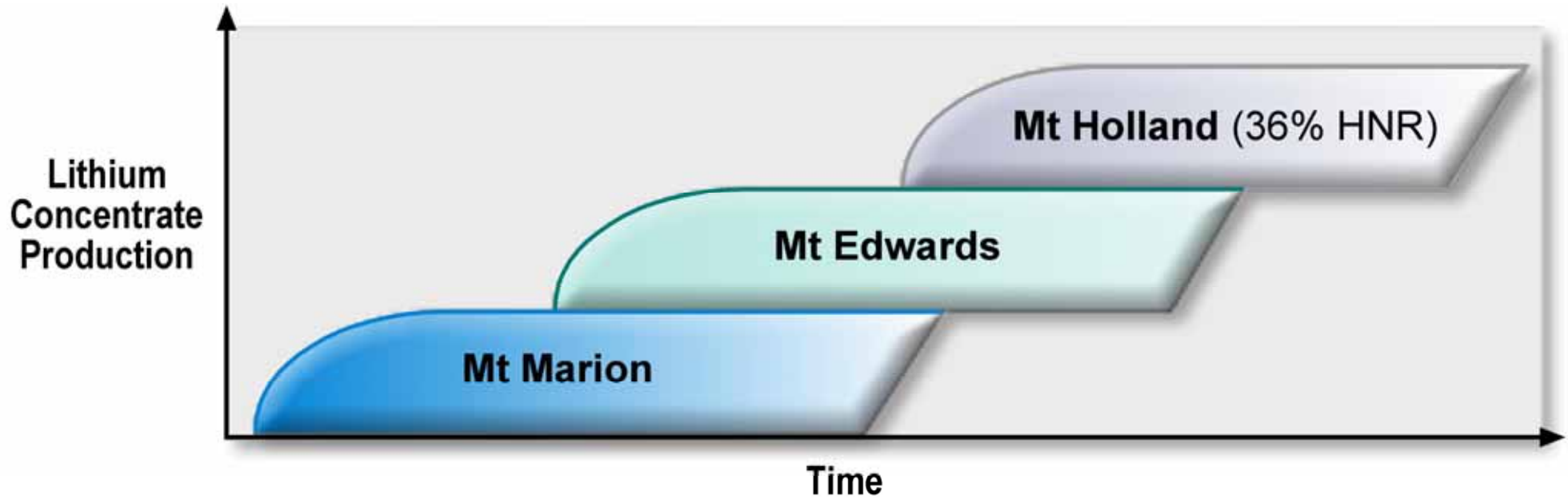
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Classification	Deposit	Tonnes (Mt)	Li <sub>2</sub> O %	Fe %
<b>Indicated</b>	Area 1,2,2W	19.3	1.41	1.08
	Area 4	2.0	1.11	0.99
	Area 6	7.7	1.29	1.04
<b>Indicated Total</b>		<b>28.9</b>	<b>1.35</b>	<b>1.06</b>
<b>Inferred</b>	Area 1,2,2W	43.5	1.39	1.09
	Area 4	0.8	1.07	1.09
	Area 5	1.0	1.32	1.71
	Area 6	3.5	1.33	1.07
	<b>Inferred Total</b>		<b>48.9</b>	<b>1.38</b>
<b>Grand Total</b>		<b>77.8</b>	<b>1.37</b>	<b>1.09</b>

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# Potential supply pipeline

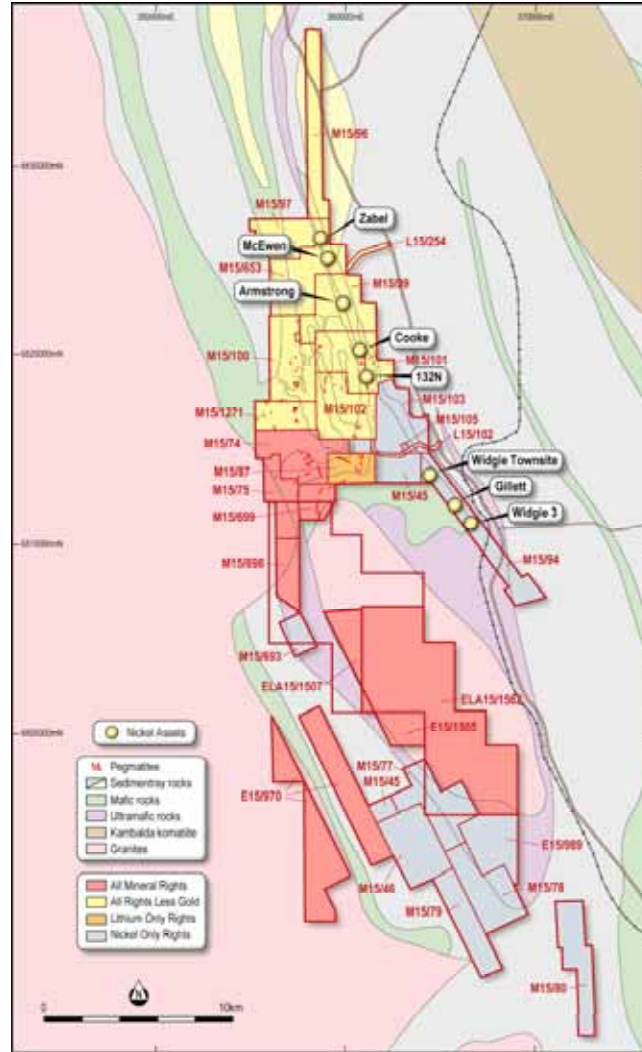
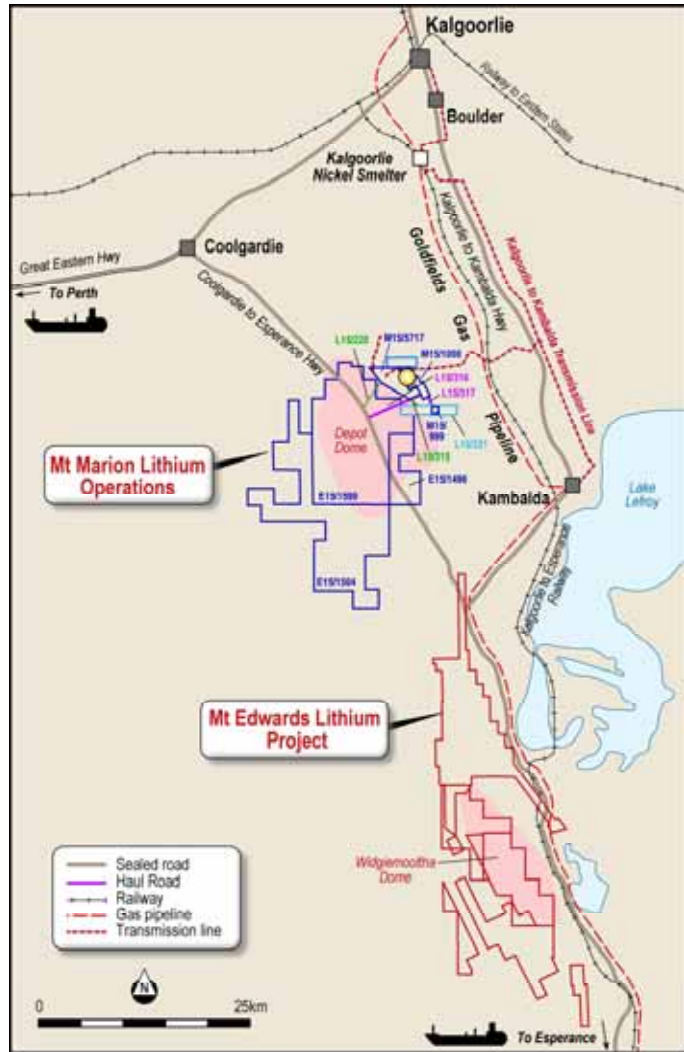


Source: Neometals 2018

# Mt Edwards (100% NMT)\*



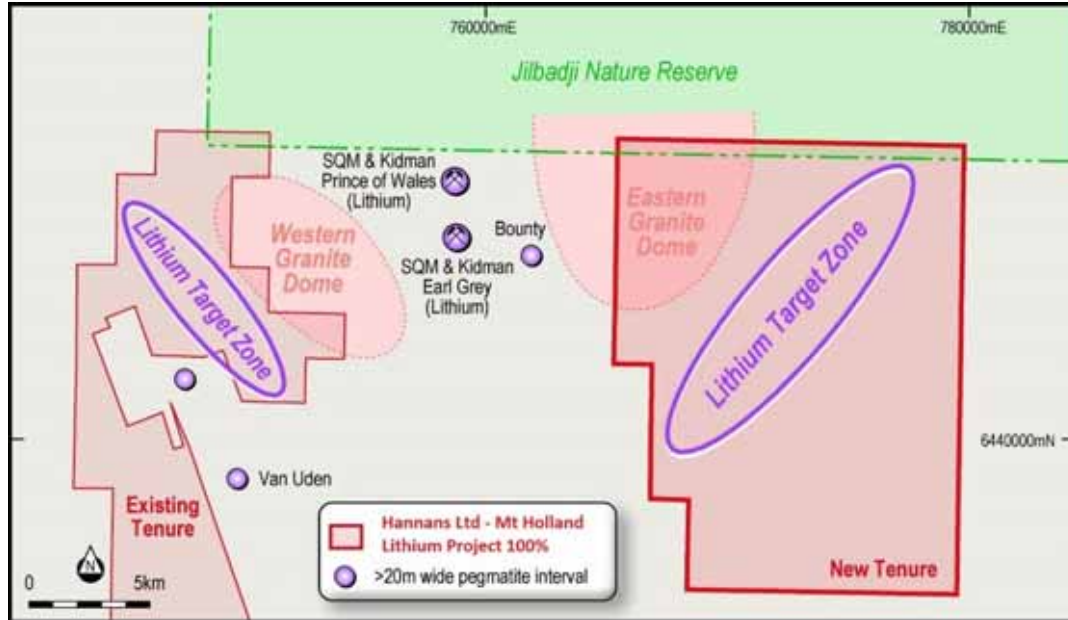
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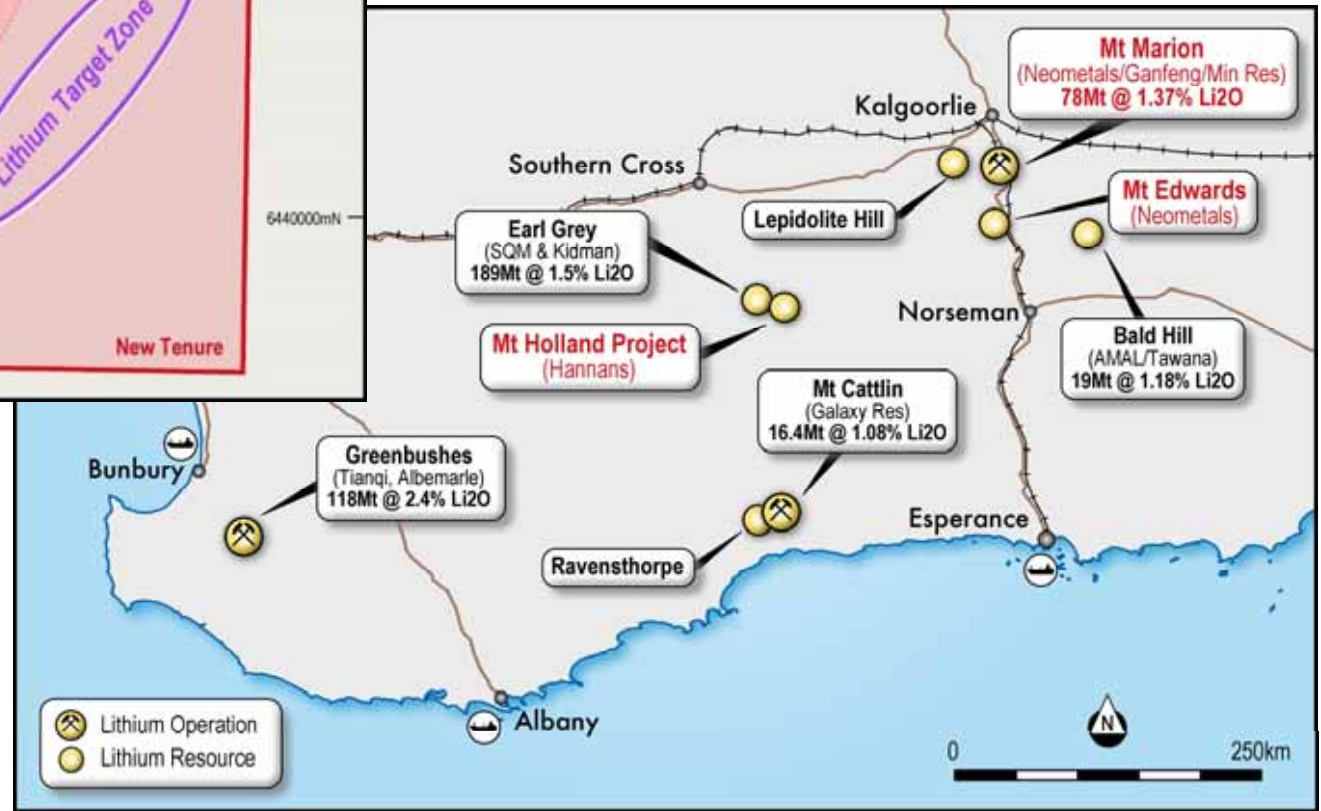
- Fertile LCT pegmatites present
- 240 km<sup>2</sup> of tenure and mineral rights
- Excellent sealed road/rail/energy infrastructure
- Multiple Historic Nickel Mines with remnant mineralisation



# Mt Holland (via 36% Hannans Ltd – ASX:HNR)



Location map showing Hannans 100% owned tenure. Refer to ASX:HNR Announcement "Hannans – Mt Holland Lithium" released on 16 January 2018.

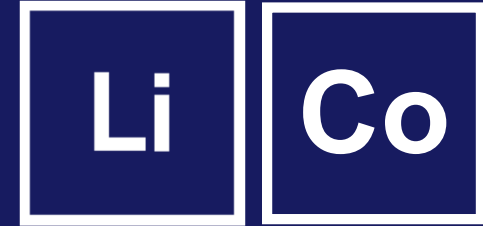


Location map showing Western Australian producing mines and exploration projects (sourced from publicly available information)



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# Downstream processing

## Lithium Battery Recycling

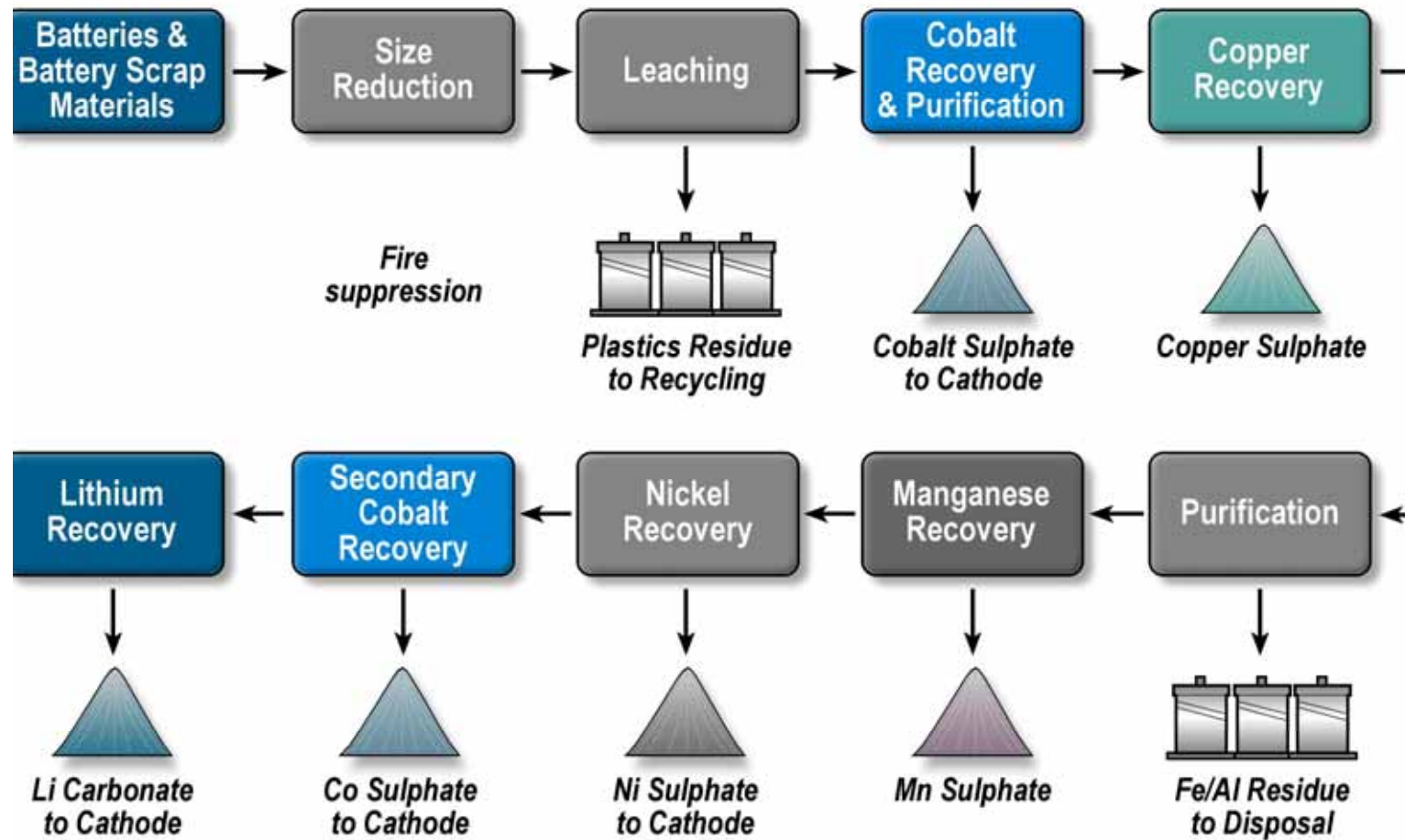
Neometals 50% of IP (5 US Prov. Pats)  
Exclusive licence to commercialise

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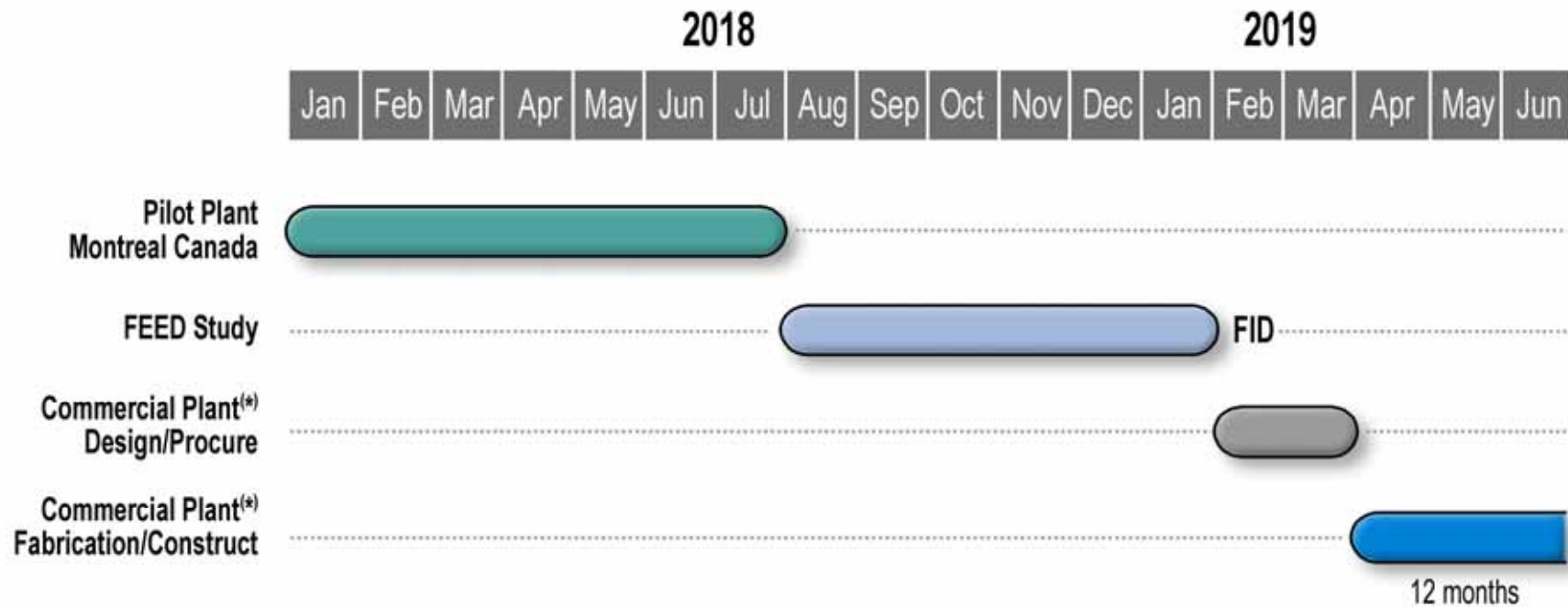
# Flow Sheet



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# Commercialisation Plan



Source: Neometals 2018 \*Subject to FID

**Running Partner/Site Selection Processes in parallel with test work and engineering programs**

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# Lithium Research & Development

# Our Approach



- R&D Projects must :
  - address real market opportunity,
  - create a sustainable competitive advantage
  - Have strong business case
- Conduct Engineering Cost Studies asap to not waste time/money

## Neometals and the Technology Hype Cycle



Source: Nixor.co.uk

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# Downstream processing

## Direct Extraction of LiCl from Brine

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# Replace Evaporation with faster, friendlier LiCl recovery process



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# Direct Extraction via Adsorption



2009 HARD ROCK LITHIUM PRODUCTION	2010-2011 LITHIUM CARBONATE FROM HARD ROCK (SULPHATION)	2010-2011 LITHIUM HYDROXIDE FROM LITHIUM CARBONATE (CAUSTICATION)
2016 LITHIUM CHLORIDE RECOVERY FROM BRINE	2015 LITHIUM HYDROXIDE FROM BRINE VIA ELECTROLYSIS	2012-2014 LITHIUM HYDROXIDE FROM HARD ROCK VIA ELECTROLYSIS (CHLORINATION)
2016 LITHIUM CHLORIDE PURIFICATION	2016 RECYCLING OF LCO BATTERIES (CONSUMER ELECTRONICS) (SULPHATION)	2016 RECYCLING OF NCM/NCA (EV & STATIONARY BATTERIES) (CHLORINATION)

- Pat pending **Titanate** adsorbent
- Quick load/strip cycle – 30mins
- Complete rejection of sodium
- High recovery of Lithium 53-79%
- Returns water to salar, no evaporation
- Next Step - Proof of Scale





# Downstream processing

## Direct Conversion of

## LiCl to LiOH

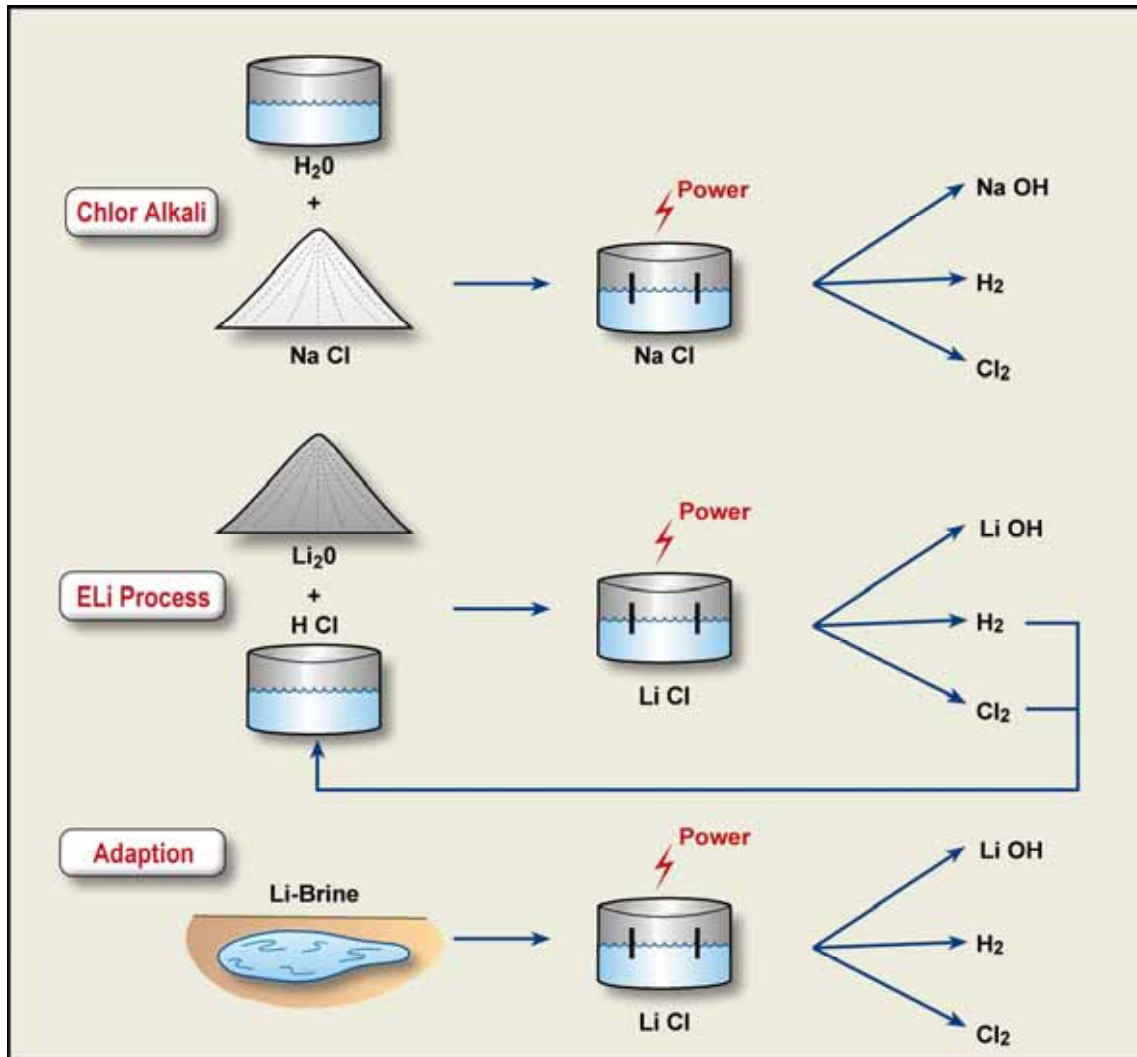
Neometals 70%

Mineral Resources Ltd 30%

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# Patented ELi Process - conversion of LiCl to LiOH from any source



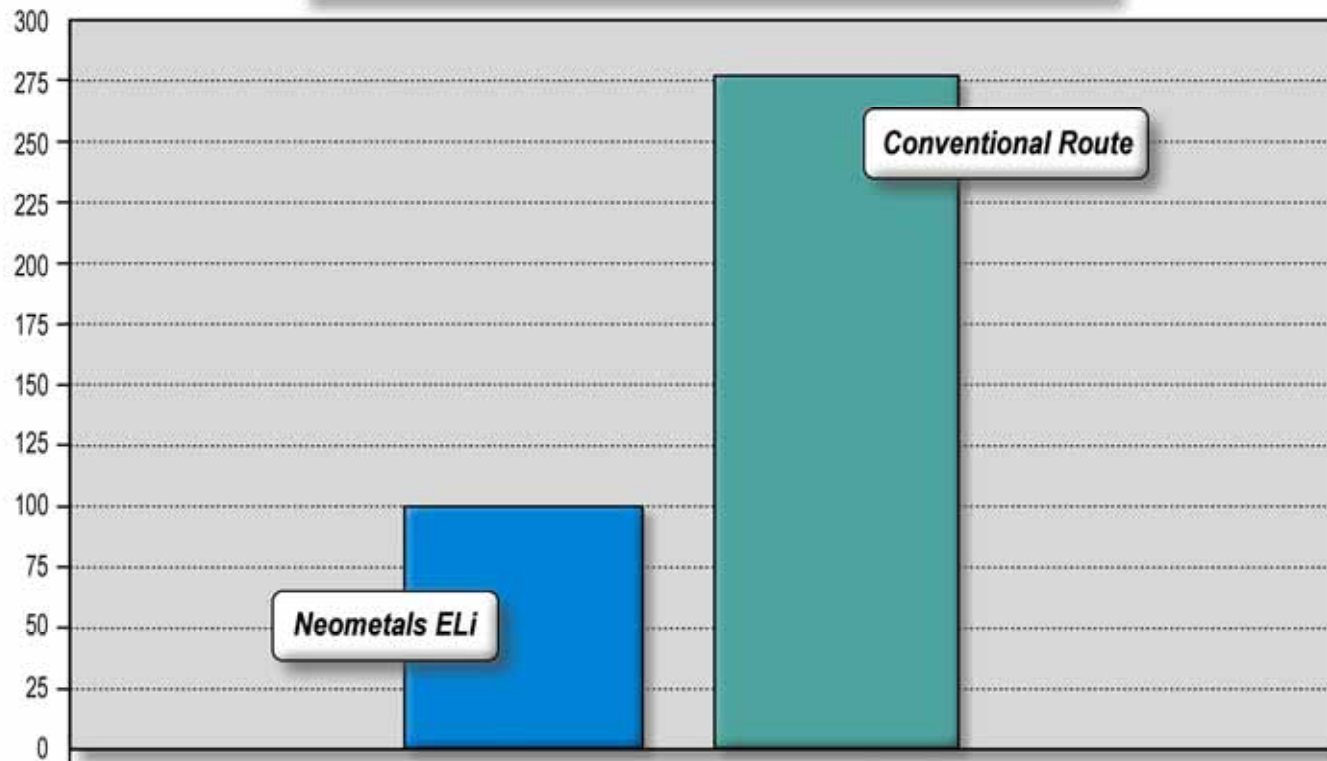
## IP

- 1 Granted patent (AU)
- 18 Pats pending

# Gamechanger for LiOH from brine production



Relative LiOH Conversion Costs from LiCl Brine  
(US\$ per tonne LiOH.H<sub>2</sub>O) - Argentina basis  
ELi Process = Base 100



Business model is to licence to existing brine producers in return for royalty stream:

- De-risks ELi for own use later
- Quicker cashflow
- Higher P/E multiple

\*Source: Global Engineering Group (2016) (Identity not for publication)

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# Downstream processing

## Lithium Titanate R&D

Neometals 100%

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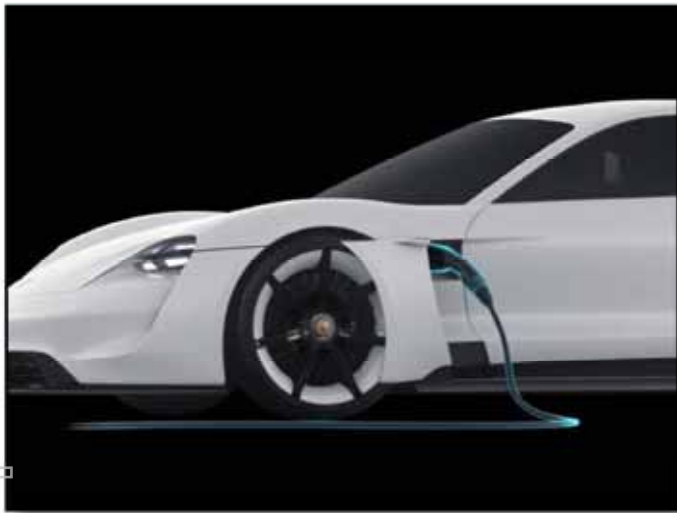
# Superior Anode Material for EV



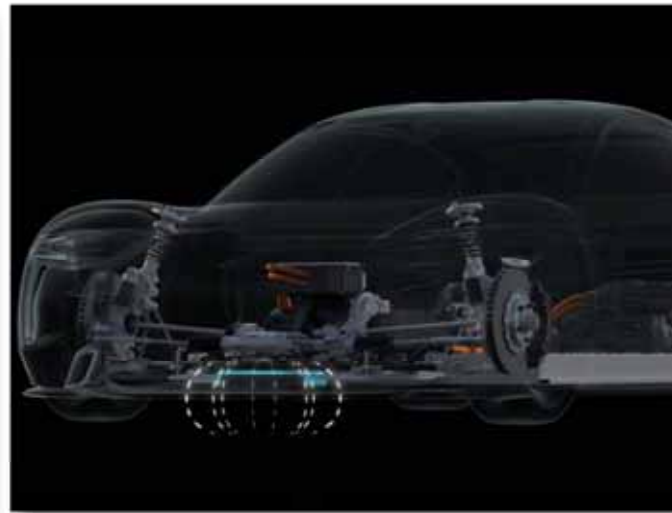
**Super Fast Charging**  
80% < 15 mins

**Wireless Charging**  
Induction Pad

**Unparalleled Life**  
**Extremely Safe**



Source: Porsche



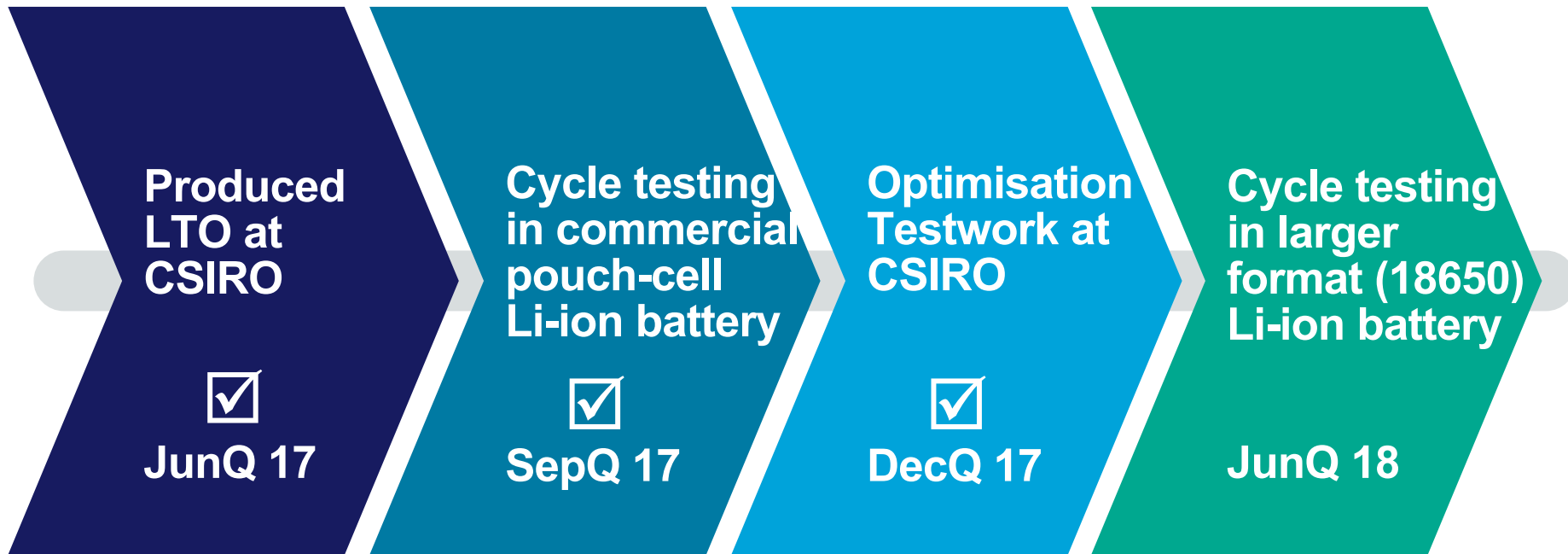
Source: Johnson Controls

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# Research & Development Plan



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Ti

# Barrambie Titanium Project

100% Neometals



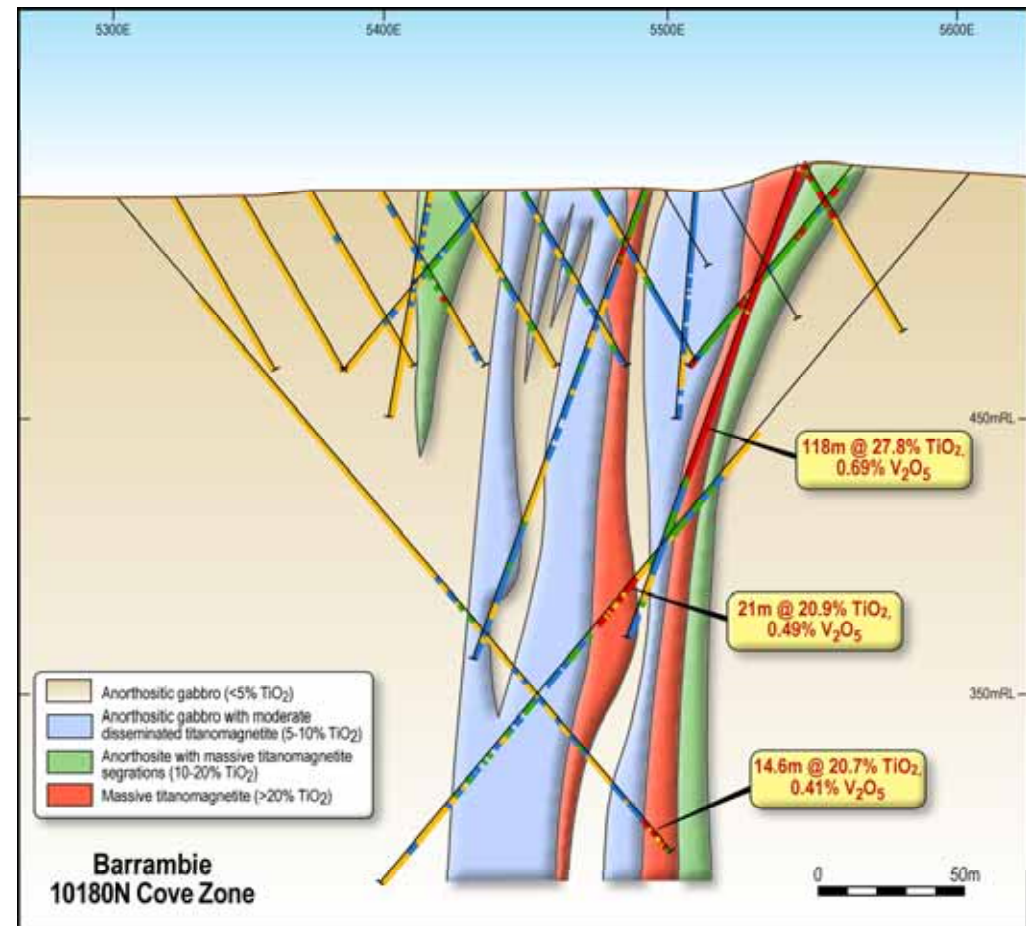
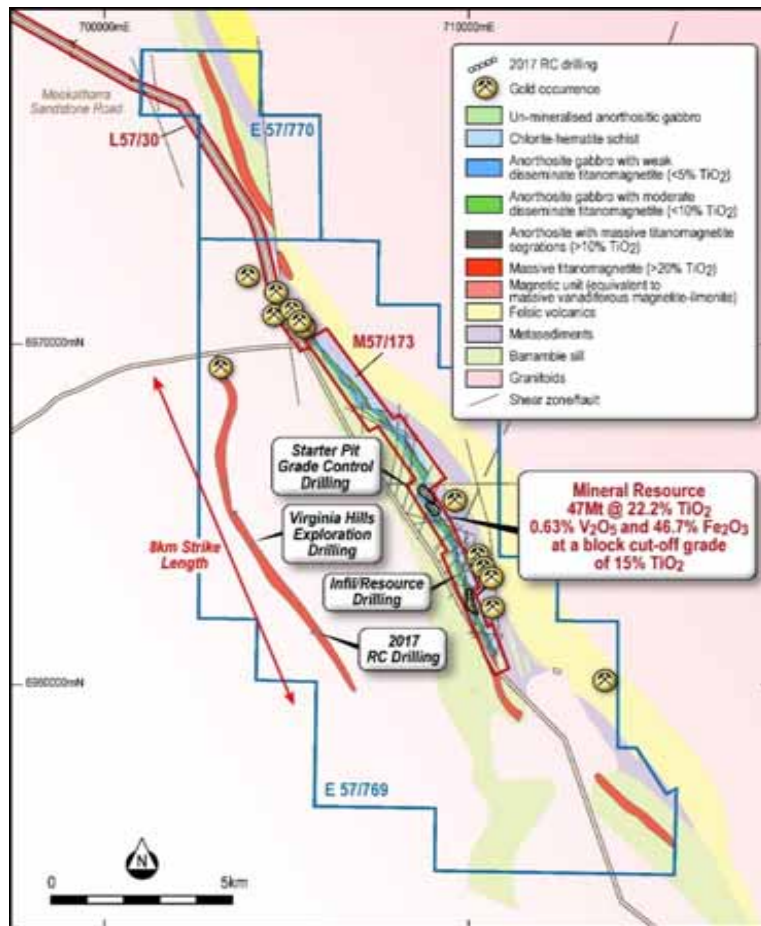
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# Globally Significant Ti Resource



Resource based on 1,000 RC & Diamond holes to 60m below surface. Drilled to +250mbs



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# Just scratched the surface

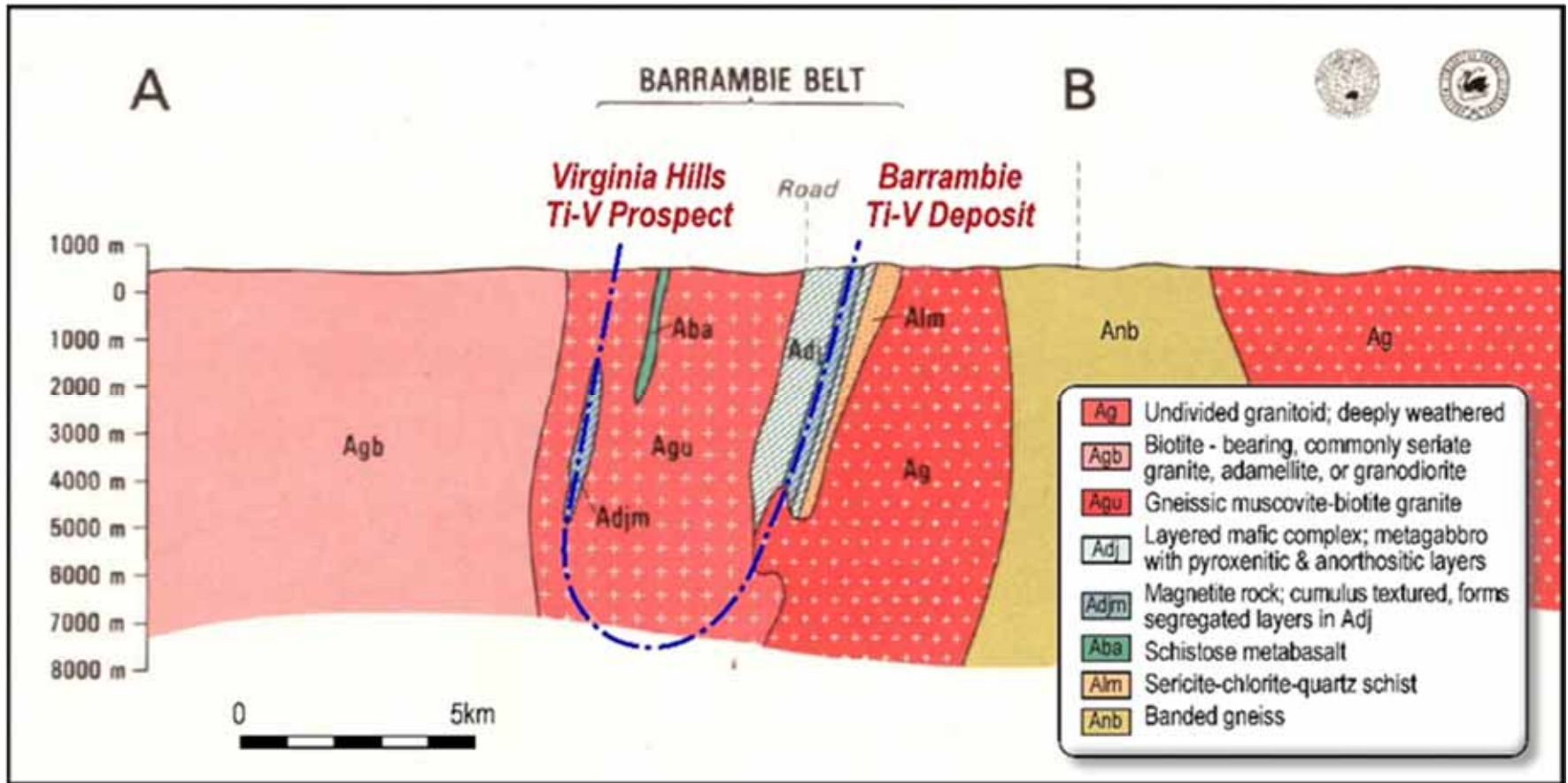


Government Seismic Survey indicates intrusion extends ~4km below surface

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**1**  
+150Mt  
@34% TiO<sub>2</sub>  
Lac Tio  
Rio Tinto

**2**  
47Mt @  
22% TiO<sub>2</sub>  
Barrambie\*  
Neometals



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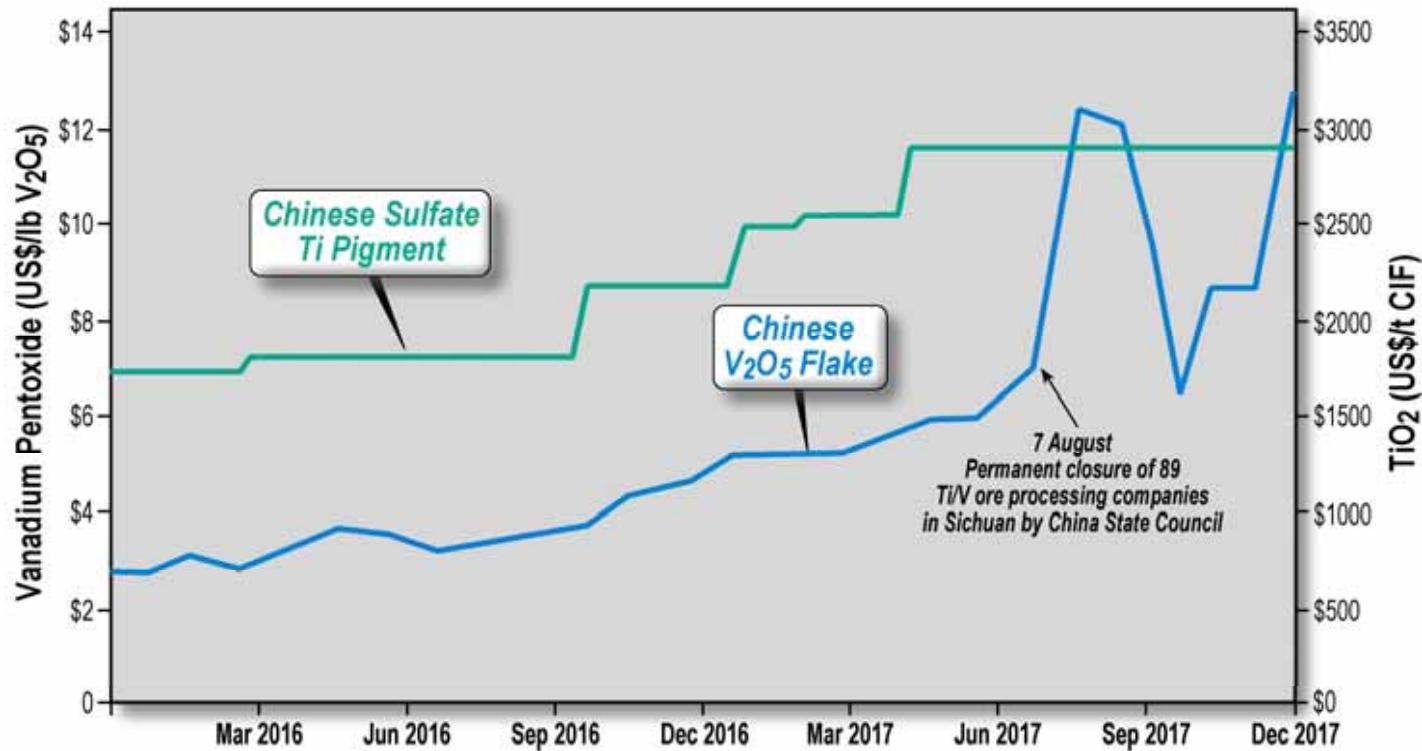


# Evaluating potential for Direct Shipping Ore and Toll-concentration in China



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## Prices for Vanadium & Titanium Chemicals



Source: Asian Metal. 2017 data is Q1-Q3 (Vanadium) Industrial Minerals (Titanium)

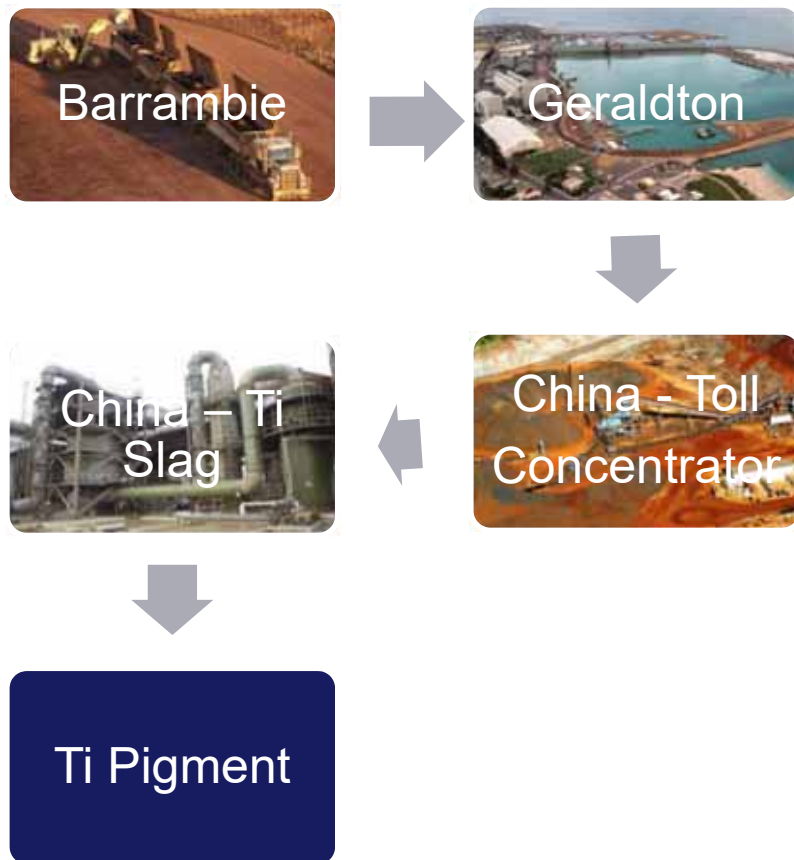
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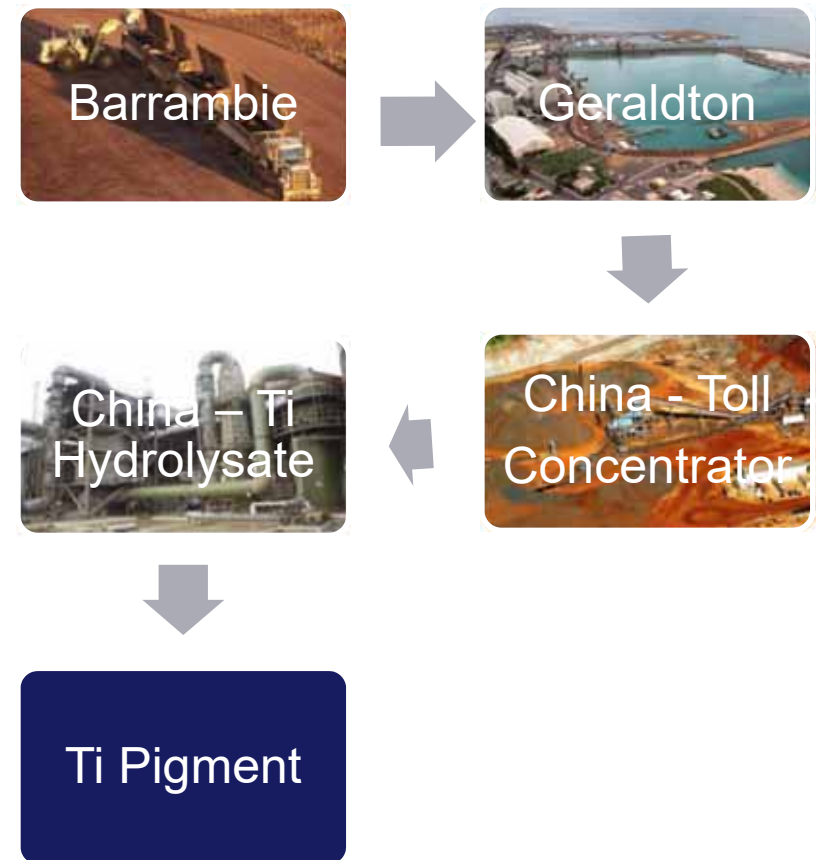
# Dual Track Evaluations



## Conventional Process



## Neomet Process



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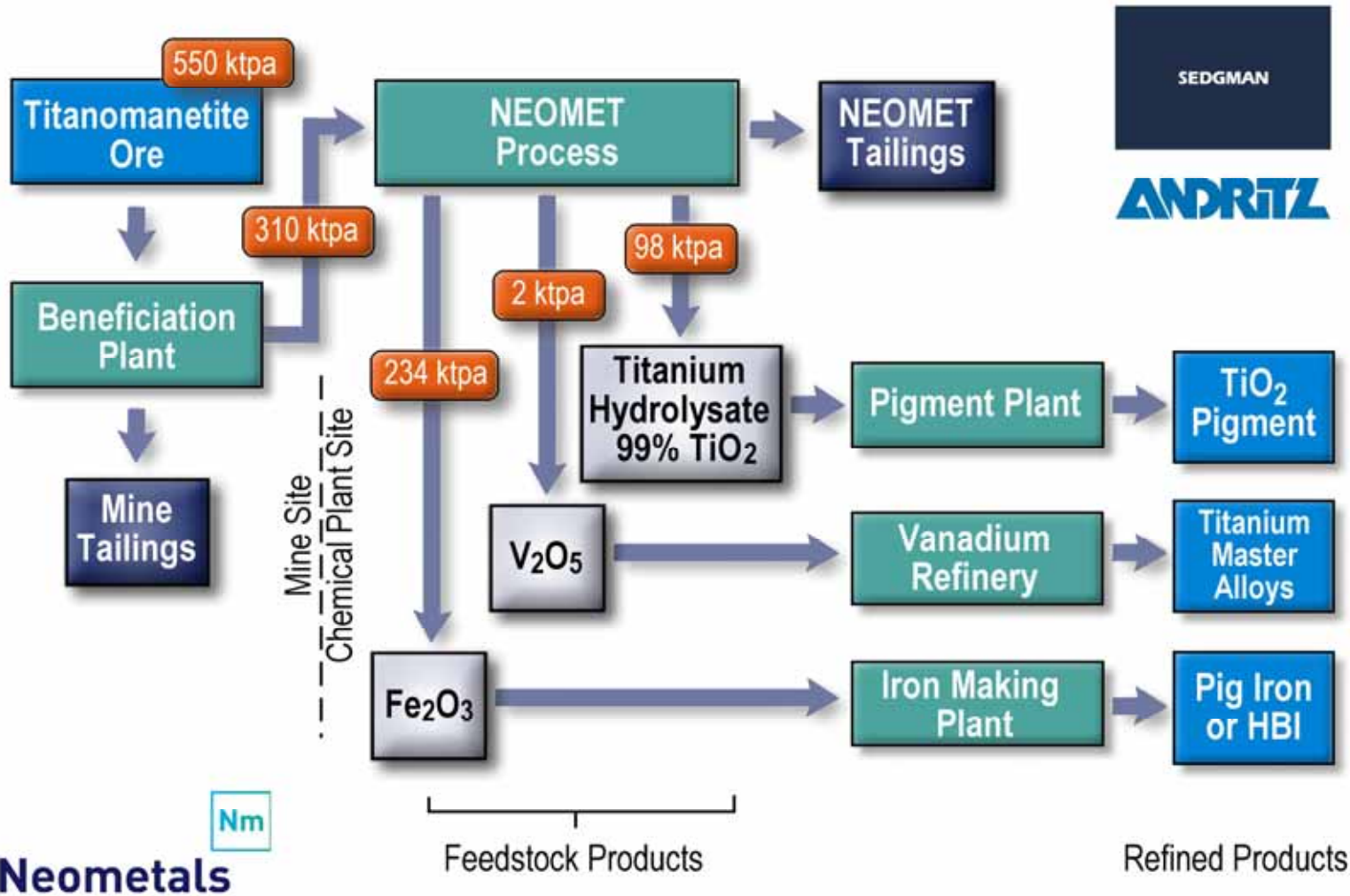
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# Neomet Process: 3 Product Efficiency



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Strong  
EPC &  
OEM  
Strategic  
Alliance

**Neometals** Nm

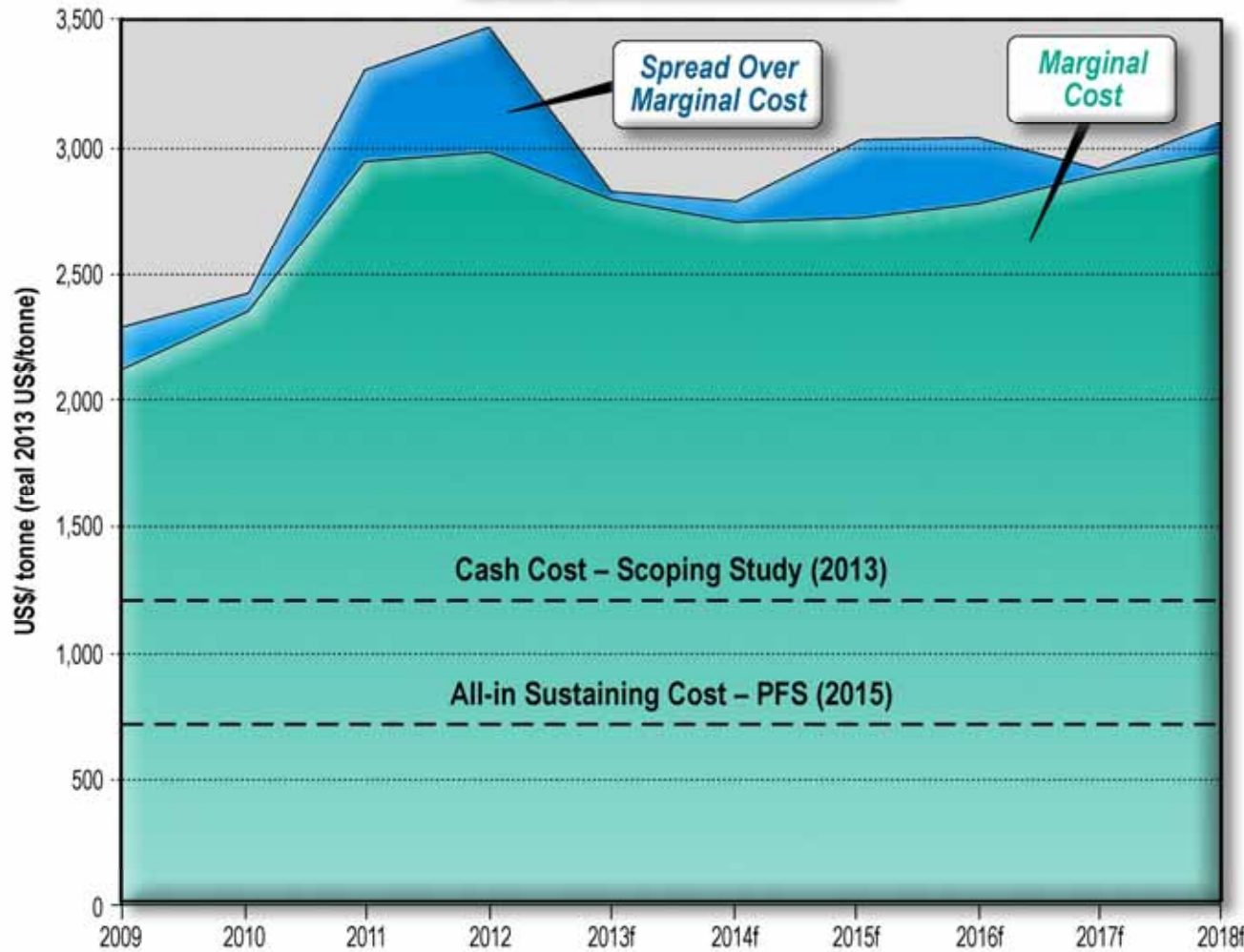
**Neometals**



# Successful evaluation of Neomet Process will disrupt the Ti industry



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Source: TZMI

Increased Scale of Test work  
+  
Increasing Accuracy of Engineering studies  
=  
Lowering Opex



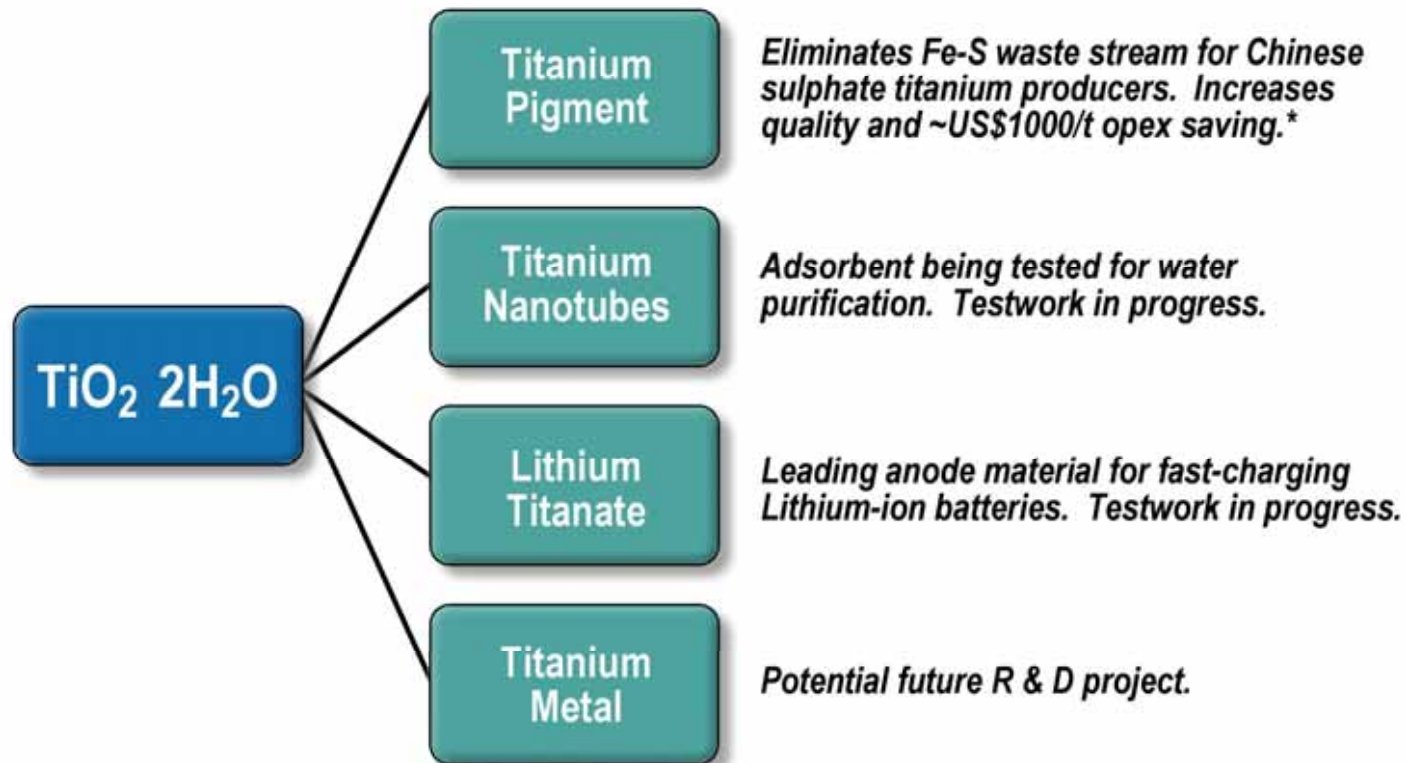
Neometals



# Why Titanium Hydrolysate?

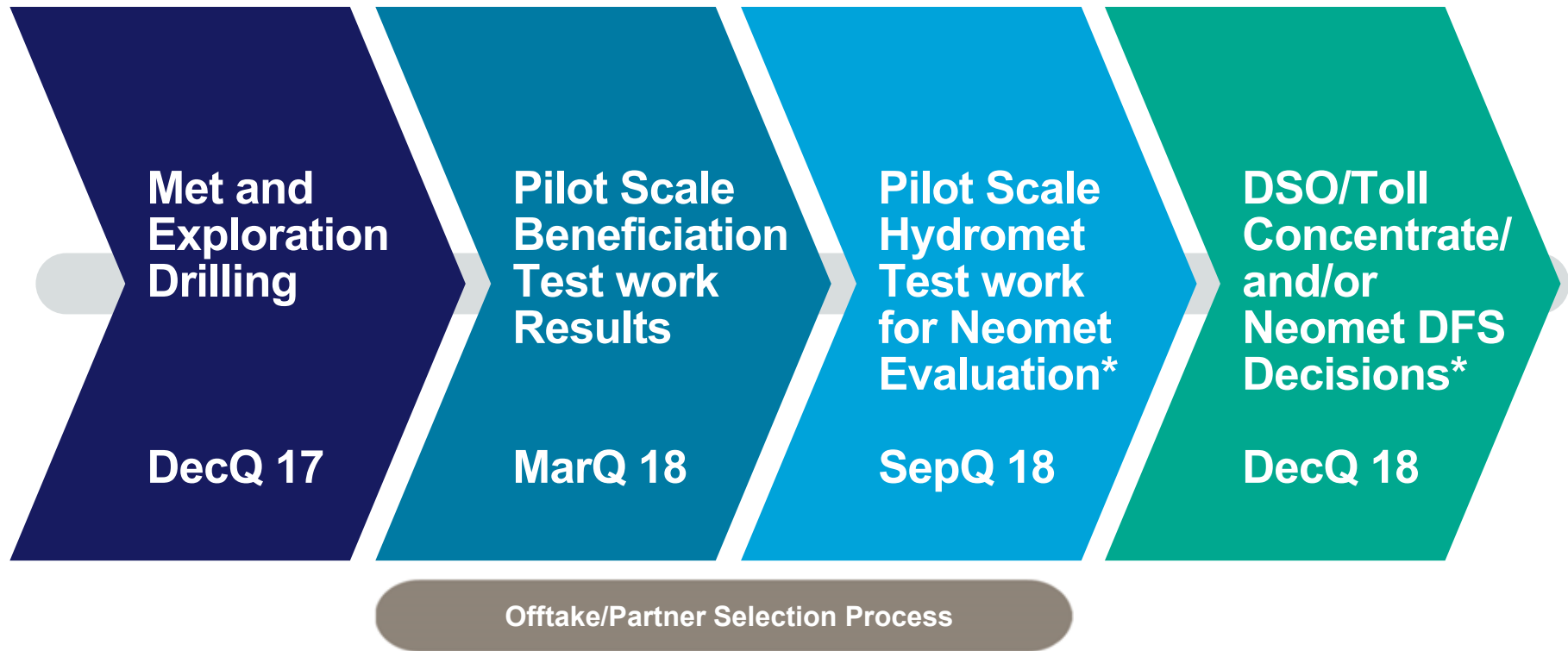


## Premium Feedstock for broad application



\* Source: Neometals/Sedgman PFS August 2015

# Commercialisation Plan



(\*) Subject to Board Approval

# Mineral Resource Estimate

Barrambie Ti-V deposit, as at September 2015, for a block cut-off grade of 15% TiO<sub>2</sub>



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Classification	Zone	Oxidation	MTonnes	Density (t/m <sup>3</sup> )	TiO <sub>2</sub> (%)	V <sub>2</sub> O <sub>5</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)
Indicated	Eastern	Oxide	18.7	2.82	23.29	0.59	42.93	10.70	16.36
		Transition	8.7	3.52	23.11	0.61	50.80	7.34	12.99
		Fresh	2.4	3.85	21.77	0.56	52.90	5.99	12.84
		Sub-total	29.8	3.10	23.11	0.60	46.02	9.35	15.10
	Central	Oxide	3.5	2.95	16.84	0.92	49.82	11.06	14.91
		Transition	1.3	3.50	17.39	0.89	54.76	8.49	12.15
		Fresh	0.1	4.04	15.59	0.88	59.93	7.22	10.96
		Sub-total	4.9	3.12	16.95	0.91	51.40	10.28	14.08
		Total	34.7	3.11	22.25	0.64	46.77	9.48	14.95
Inferred	Eastern	Oxide	2.6	2.71	20.88	0.48	40.00	12.20	19.42
		Transition	3.3	3.29	23.04	0.59	47.51	8.62	14.45
		Fresh	5.5	3.71	22.82	0.57	47.50	8.39	14.57
		Sub-total	11.4	3.36	22.44	0.55	45.78	9.33	15.65
	Central	Oxide	0.1	3.07	16.64	0.98	53.63	9.96	13.33
		Transition	0.4	3.47	18.36	0.86	54.15	8.79	12.43
		Fresh	0.7	3.86	17.30	0.91	53.48	9.44	13.17
		Sub-total	1.2	3.64	17.55	0.90	53.71	9.30	12.96
		Total	12.5	3.38	21.99	0.58	46.51	9.32	15.40
		<b>Grand Total</b>	<b>47.2</b>	<b>3.18</b>	<b>22.18</b>	<b>0.63</b>	<b>46.70</b>	<b>9.44</b>	<b>15.07</b>

## Neometals





# Pre-feasibility Study - Financial Metrics (\*)

Life of Mine (LOM)	19.6 years
Pre-production Capital cost (excluding EPCM and Contingency)	A\$ 549 million
Average Annual Pre-tax Net Cashflow	A\$ 123 million
Pre-tax Internal Rate of Return	21%
<b>Pre-tax NPV (12% real discount rate)</b>	<b>A\$ 355 million</b>
Payback of capital costs	3.9 years
Average Annual Production	98,000t TiO <sub>2</sub> 2,000t V <sub>2</sub> O <sub>5</sub> 234,000t Fe <sub>2</sub> O <sub>3</sub>
<b>Cash Operating Cost per tonne of paid TiO<sub>2</sub> net of co-product credit</b>	<b>US\$ 572/t</b>

(\*) Estimated to accuracy of ± 25%

Assumptions: US\$1,838/t TiO<sub>2</sub>; US\$14,873/t V<sub>2</sub>O<sub>5</sub>, US\$520/t Fe<sub>2</sub>O<sub>3</sub> Pigment, A\$/US\$0.75, Royalties (State/Technology) 10% Gross



# Corporate

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# Long-term Strategy



Combining innovative cost advantages and strong partners



to develop a portfolio of globally significant mineral resources



into lower-risk, long-life, high-margin operations to optimise stakeholder returns



Returned \$30M in dividends/buyback over last 3 years

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# Tactical Plan – FY18



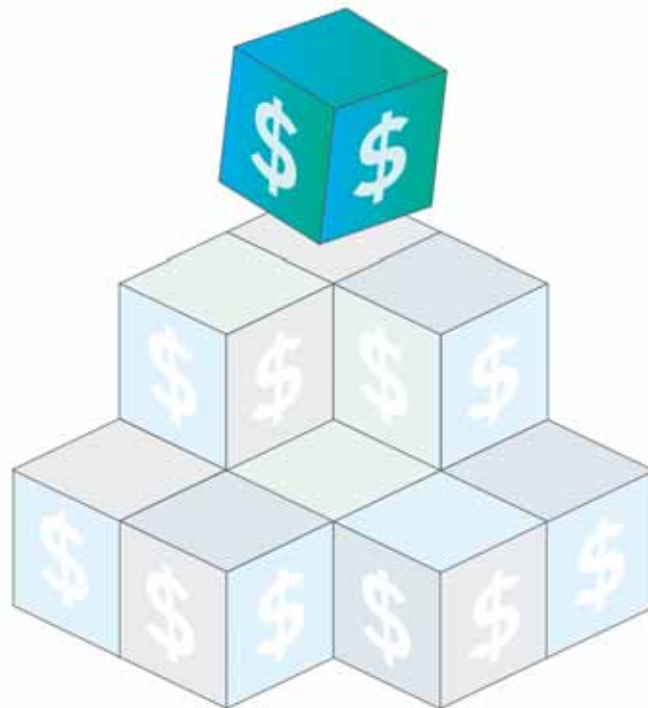
Grow market cap from maximising returns from existing operations, increasing margins via higher value (downstream) products and developing growth options.

Mine, process, sell globally relevant minerals with strong market fundamentals

Commercialise proprietary processing Technologies

Build strong Human and Financial Capability

Leverage Project Acquisition and Development Capacity



- Increase offtake quality to all 6% Li<sub>2</sub>O and revenues through plant upgrade
- Advance local LiOH project with vendor testwork, offtake and partner selection processes.
- Fast-track evaluation of recycling process pending Mini-Max Test work.
- Fast-track evaluation of Barrambie pending Mini-Max Test work and partner selection outcomes
- Build royalty portfolio from licensing ELi®, Dexter, Recycling and Neomet Processes

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# We have the Human and Financial Resources to execute



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ASX CODE: NMT	OTC:RDRUY	
Last close (7 Mar-18)	A\$	0.355
Shares on issue	M	543.5
Market capitalisation	A\$M	193
Net Cash (31-Dec-17)	A\$M	<b>40</b>
Receivables/Investments	A\$M	<b>23</b>

MAJOR SHAREHOLDERS	
David Reed	9 %
Global X Lithium ETF	3 %
Top 20 (7 Mar-18)	37 %



# Board of Directors



**Steven Cole**  
*Chairman*

Steven has 35 years of professional, corporate and business experience through senior legal consultancy, as well as a range of executive management and non executive appointments. His extensive boardroom and board sub-committee experience includes ASX listed, statutory, proprietary and NFP organisations covering the industrial, financial, educational, professional services, health and resources sectors.



**Chris Reed**  
*Managing Director*

Chris started in the mining industry in 1990 and co-founded Reed Resources in 2001. Chris holds a Bachelor of Commerce from the University of Notre Dame and a Graduate Certificate in Mineral Economics from WA School of Mines. He is a Member of the AusIMM and immediate past Vice-President of the Association of Mining & Exploration Companies.



**David Reed**  
*Non-Executive Director*

David was a director and Chairman of CIBC Australia Limited. David has been a prospector, former secretary of the Amalgamated Prospectors and Leaseholders Association and private mine owner. In 1984 David founded Mt. Martin Gold Mines NL, which with partner Newmont Australia developed the million ounce New Celebration Gold Mine. In recognition of his service to the community he was awarded the Order of Australia Medal in 2002.



**Natalia Streltsova**  
*Non-Executive Director*

Natalia Streltsova is a PhD qualified chemical engineer with over 25 years experience in the minerals industry, including over 10 years in senior technical and corporate roles with mining majors - WMC, BHP and Vale. Dr Streltsova has considerable international experience covering project development and acquisitions in South America, Africa and the Former Soviet Union. She is currently a Non-Executive Director of Western Areas Limited and Parkway Minerals NL.



**Doug Ritchie**  
*Non-Executive Director*

Doug Ritchie is a senior resources industry executive with over 35 years experience, including over 28 years working with Rio Tinto. Mr Ritchie has considerable international corporate experience, including in China. He has been a director of various ASX and HKSE listed companies as well as research and commercialisation organisations

# Executive Team



**Mike Tamlin**  
*COO*

Mike has over 35 years experience, including over 20 years in the lithium industry and was responsible for developing the spodumene trade between Australia and China. Former positions include GM Marketing of Sons of Gwalia and GM China of Galaxy Resources. He has a degree in Metallurgy and is also currently a director of Frontier Lithium.



**Darren Townsend**  
*CDO*

Darren is a Mining Engineer with 20 years' mining and corporate experience. Extensive experience in managing ASX and TSX listed companies. East African experience incl. development of tantalum mines in Australia and Mozambique and resource drill out and permitting a niobium project in Kenya.



**Jason Carone**  
*CFO & Co Sec*

Jason holds a Bachelor of Commerce in Accounting and Business Law from Curtin University and is a member of the Institute of Chartered Accountants, and Chartered Secretaries. He has over 20 years' experience in accounting, company administration in Australia and South East Asia across a broad range of industries. Jason has been with Neometals 10 years.



**Paul Wallwork**  
*GM Marketing*

Paul has nearly 30 years of experience in technical sales, international marketing and management roles. Most recently, in the role of Trading Manager at Iluka Resources, Australia's largest mineral sand producer. In the five-year period from 2008 to 2013 Mr Wallwork held the roles of Marketing Manager and General Manager Marketing at Talison with responsibility for export sales of tantalum, tin and lithium minerals.



**Eileen Hao**  
*GM China*

Eileen has 22 years experience in industrial minerals. As China Commercial Manager for Imerys, Eileen managed product sales, marketing and business development. Eileen has been a key advisor in the development of several world-class mining and mineral processing projects globally, covering lithium, titanium, vanadium, nickel, cobalt, graphite, rare earths and battery materials. She has technical background on geology, chemistry and material engineering.

# Consultant Team



**Darren Wates**  
*General Counsel*

Darren has over 15 years' experience in corporate and commercial law in Western Australia, having worked in the Perth office of a national law firm and more recently in senior consultancy at a specialist corporate, commercial and resources law firm.

Mr Wates holds a Bachelor of Laws and a Bachelor of Commerce from Murdoch University, and a Graduate Diploma in Applied Finance and Investment from the Financial Services Institute of Australasia.



**Dr Bryan Smith**  
*Geologist*

Bryan has over 45 years' experience in geology and geochemistry.

He is a member of AusIMM, the Australian Institute of Geoscientists and the Geological Society of Australia.

In 2016, Bryan was awarded the W.R.Browne Medal of the GSA for geological services to Australia..



**Clay Gordon**  
*Geologist*

Clay obtained a Bachelor of Applied Science (Geology) and a Master of Science (Mineral Economics) and has more than 25 years' experience in senior roles (operational, management and corporate).

He is a Member of the Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists..



**Dr Yatendra Sharma**  
*PM - Lithium*

Yatendra holds a PhD in chemical technology with over 42 years of experience at top management including general management position at Galaxy Resources Limited (2009-2012) etc where he successfully managed construction of then the world's largest lithium carbonate plant. Yatendra is a member of the Australasian Institute of Mining and Metallurgy (MAusIMM) and Royal Australian Chemical Institute (CChem MRACI).



**Mike Spratt**  
*PM - Titanium*

Michael is a Metallurgist with over 50 years of experience in mining, mineral processing, engineering and construction both in Australia and overseas. Michael has held senior general management positions such as Managing Director of Thailand Smelting and Refining Company and Simcoa, GM Operations at Robe River Iron Ore, Operations Director of Minproc and Kaiser Engineers.



# Investment Proposition

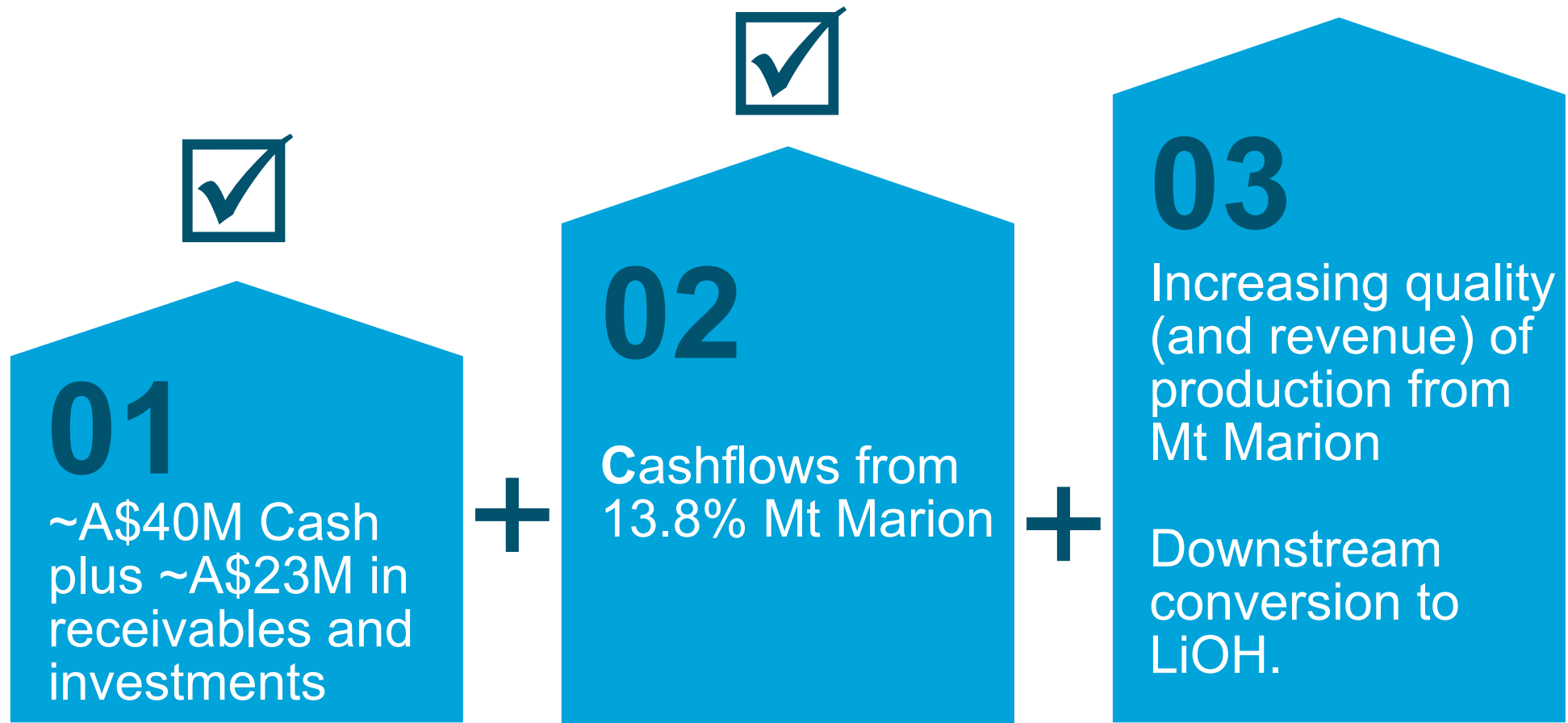
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# Lithium : Cash, cashflow & growth options

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# Technology : developing a diversified portfolio

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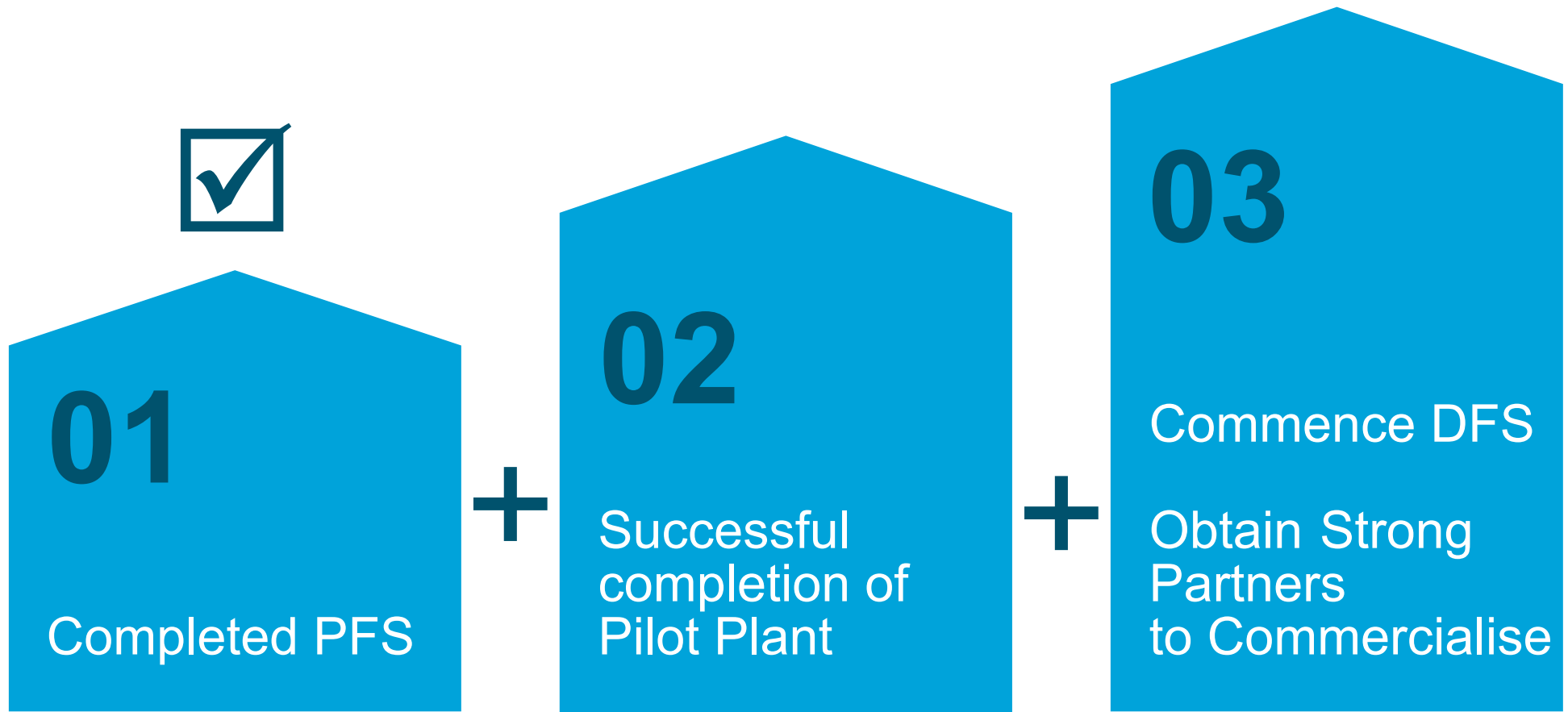


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# Titanium : the big one

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