

Neometals

All the right elements®

Presentation – US/UK Roadshow – March 2018 ASX Code: NMT OTC/Nasdaq Intl: RDRUY

Disclaimer

Summary information: This document has been prepared by Neometals Ltd ("Neometals" or "the Company") to provide summary information about the Company and its associated entities and their activities current as at the date of this document. The information contained in this document is of general background and does not purport to be complete. It should be read in conjunction with Neometals' other periodic and continuous disclosure announcements lodged with the Australian Securities Exchange, which are available at www.asx.com.au.

Forward-looking information: This document contains, projections, projections, forecasts and other statements which are inherently subject to significant uncertainties and contingencies. Many known and unknown factors could cause actual events or results to differ materially from the estimated or anticipated events or results included in this document. Recipients of this document are cautioned that forward-looking statements are not guarantees of future performance.

Any opinions, projections, forecasts and other forward-looking statements contained in this document do not constitute any commitments, representations or warranties by Neometals and its associated entities, directors, agents and employees, including any undertaking to update any such information. Except as required by law, and only to the extent so required, directors, agents and employees of Neometals shall in no way be liable to any person or body for any loss, claim, demand, damages, costs or expenses of whatever nature arising in any way out of, or in connection with, the information contained in this document.

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.

Financial data: All figures in this document are in Australian dollars (AUD) unless stated otherwise.

Not financial product advice: This document is for information purposes only and is not financial product or investment advice, nor a recommendation to acquire securities in Neometals. It has been prepared without taking into account the objectives, financial situation or needs of individuals. Before making any investment decision, prospective investors should consider the appropriateness of the information having regard to their own objectives, financial situation and needs and seek legal and taxation advice appropriate to their jurisdiction.

Investment risk: An investment in securities in Neometals is subject to investment and other known and unknown risks, some of which are beyond the control of Neometals. The Company does not guarantee any particular rate of return or the performance of Neometals. Investors should have regard to the risk factors outlined in this document.

Competent Persons Statement:

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.



All the right elements



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

We have the Human and Financial Resources to execute



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	40
Receivables/Investments	A\$M	23

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

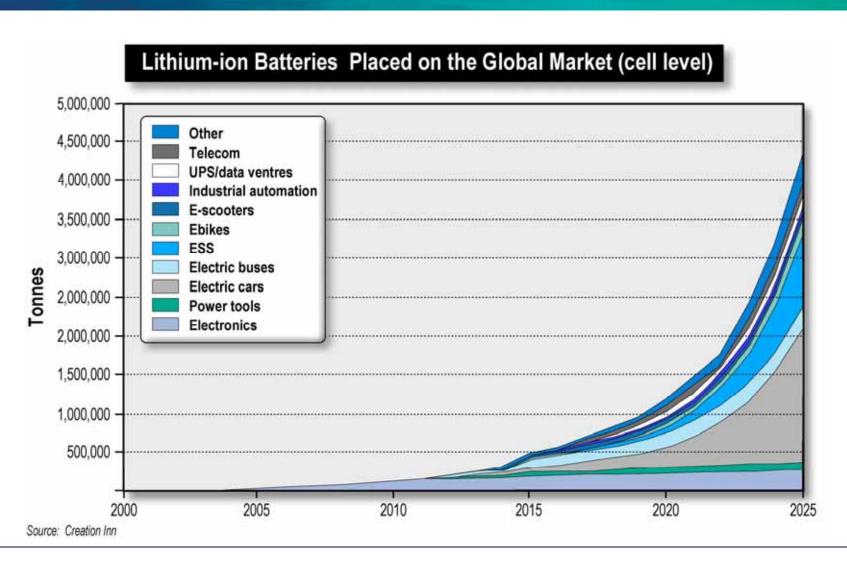


All the right elements



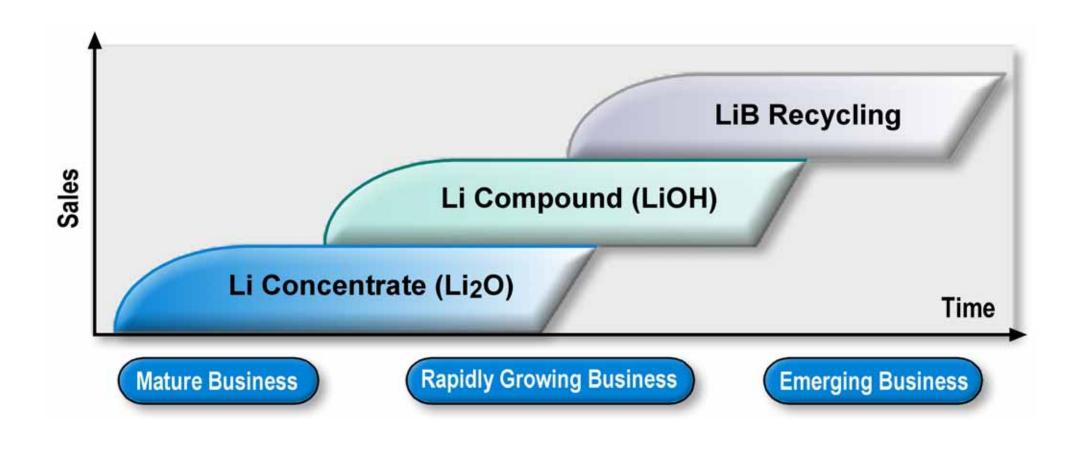
We entered into the Lithium Industry at the start of the megatrend in 2009





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

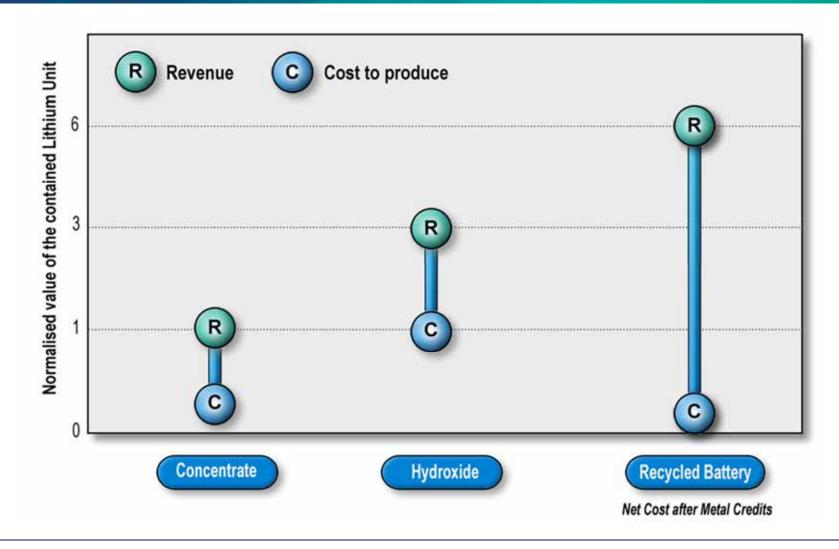




1. Integrate - Get down cost curve

2. Scale up – Organic growth









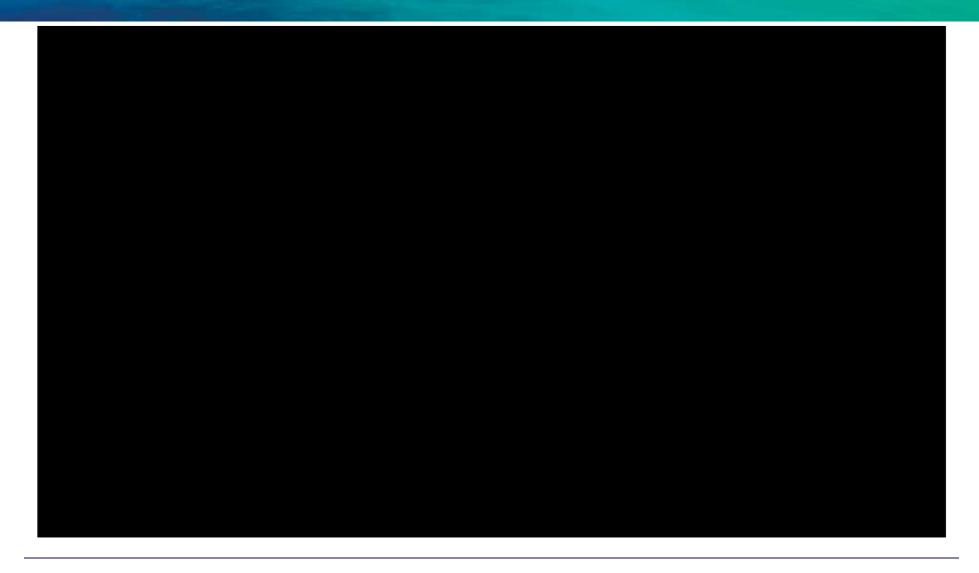
Upstream processing Lithium Concentrate





Mt Marion World's largest lithium concentrator





Mt Marion – World Class Operation 450kt concentrates pa (cont ~55kt LCE)





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

- NMT holds 13.8% equity
- Large Resource 78Mt*
- Open at depth/along strike
- Processing 2.4Mtpa
- Operating at steady state
- Expansion to produce all 6% Li2O concentrates







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

Outstanding Offtake Agreement



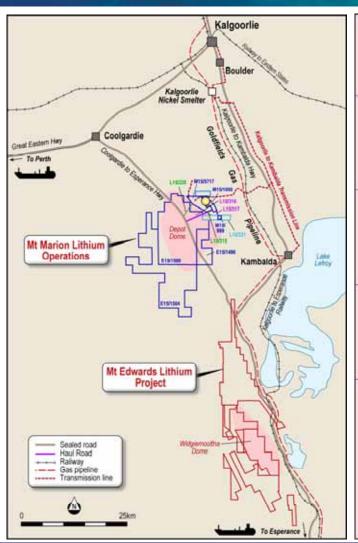
5 第锋锂业 GanfengLithium

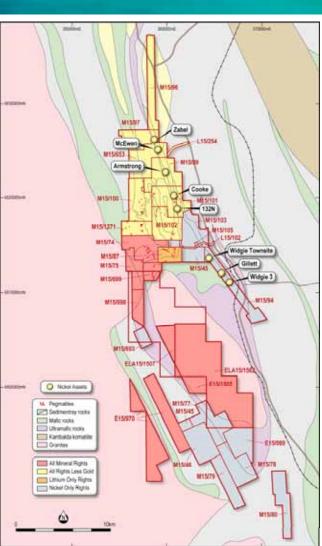
- ✓ China's largest, most diverse lithium producer
- ✓ Life-of-Mine, *Take-or-pay* Offtake Agreement
- ✓ From 1 July moving to transparent Lithium Carbonate/Lithium Hydroxide linked formula, with floor price protection – US\$841/t CIF for SepQ
- ✓ Letter of Credit (100% payment on invoice)
- ✓ Neometals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



Mt Edwards (100% NMT)* Brownfields Exploration Project







- Fertile LCT pegmatites present
- 240 km² of tenure and mineral rights
- Excellent sealed road/rail/energy infrastructure
- Multiple
 Historic Nickel
 Mines with
 remnant
 mineralisation

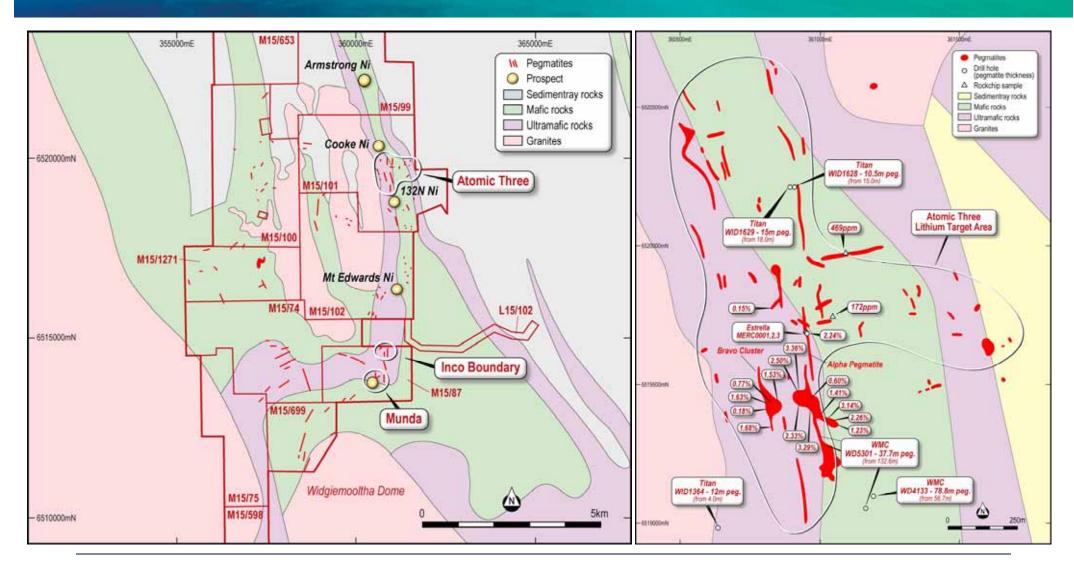
Neometals

(*) Subject to completion. Refer to NMT announcement "Key Acquisition of Strategic Lithium Project" released on 15 March 2018



Mt Edwards Central Area Targets

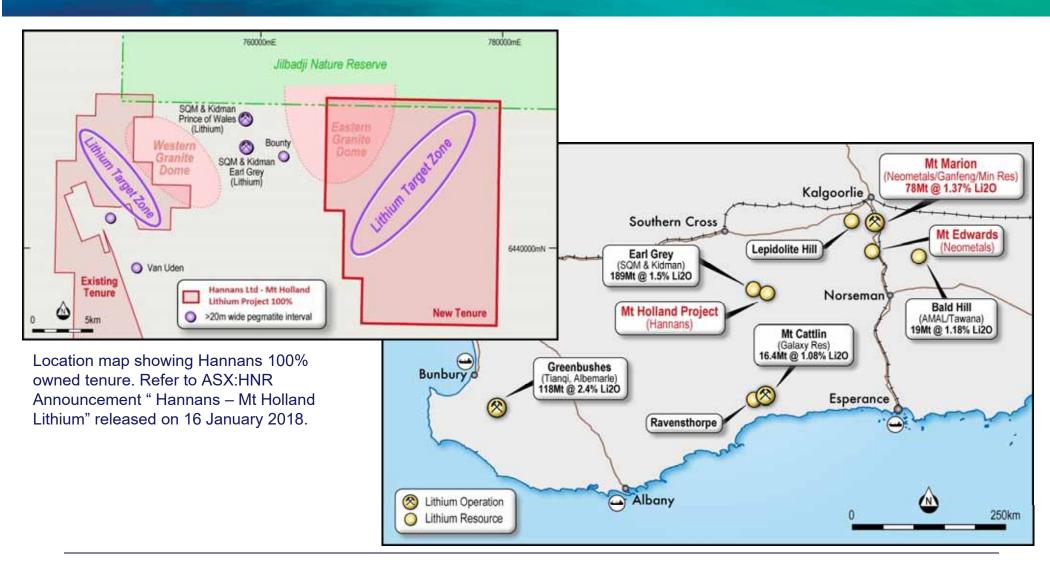






Mt Holland Lithium Project (via 36% Hannans Ltd – ASX:HNR)





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





Downstream processing WA-based LiOH Project

Neometals 100%

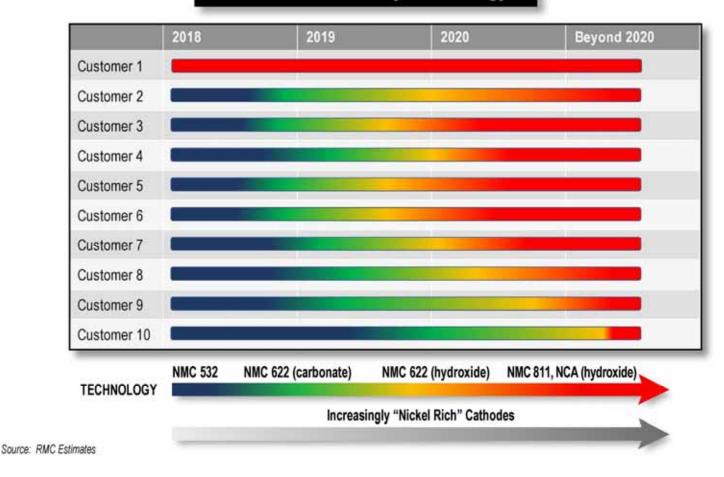
Mt Marion Offtake Option for min 12.37% spodumene concentrates



Build a secure LiOH supply for the Western cathode/battery/car makers

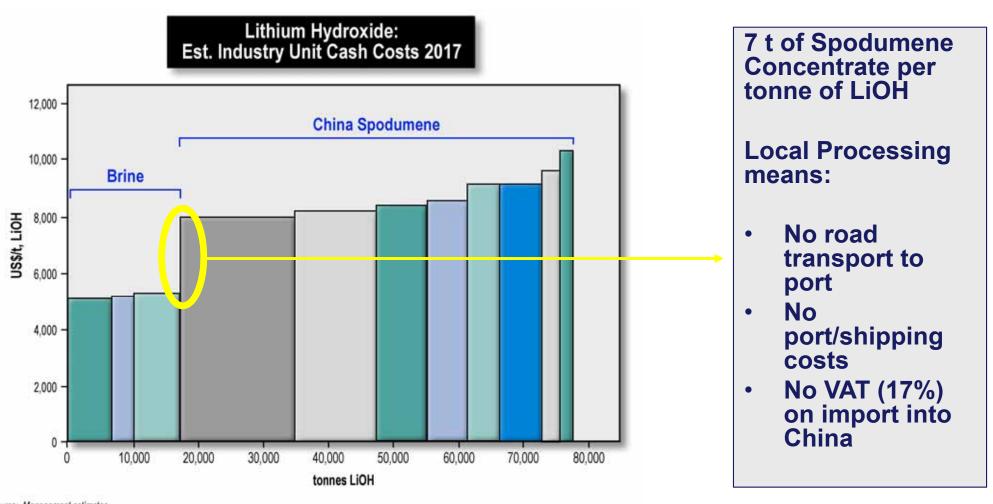


Trends in EV Battery Technology



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





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



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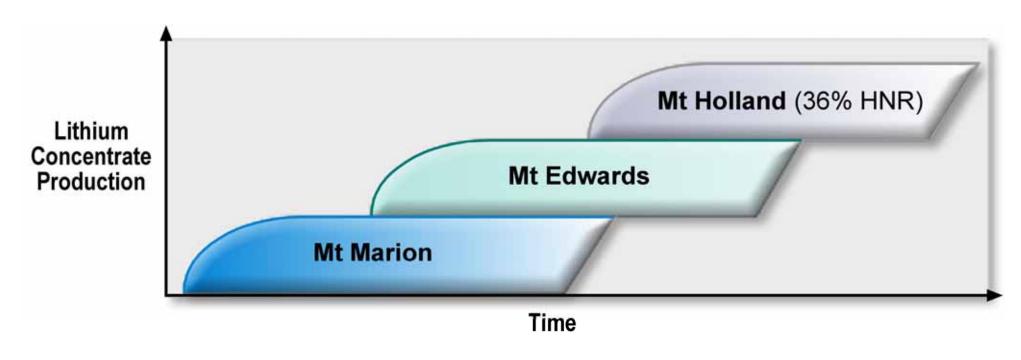
(*) Subject to NMT Board Approval

(**) Subject to FID

Li + Ti = Nm

Potential growth options





Source: Neometals 2018





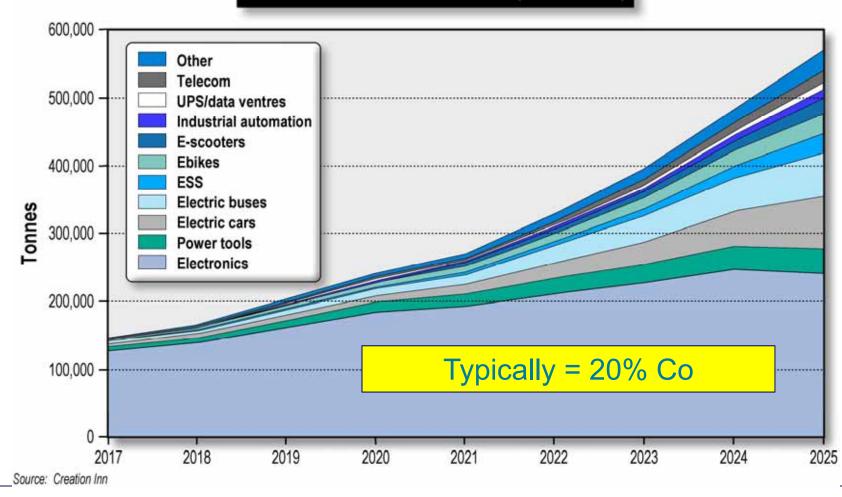
Downstream processing Lithium Battery Recycling

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

Less than 5% Li-ion batteries are recycled



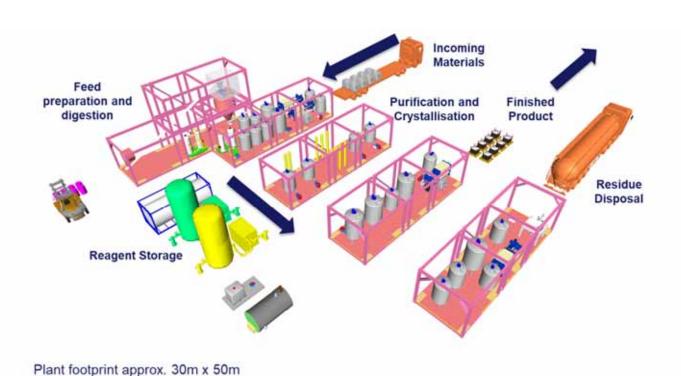
Lithium-ion Batteries EOL (2017-2025)





Demo Plant Schematic and Study Results





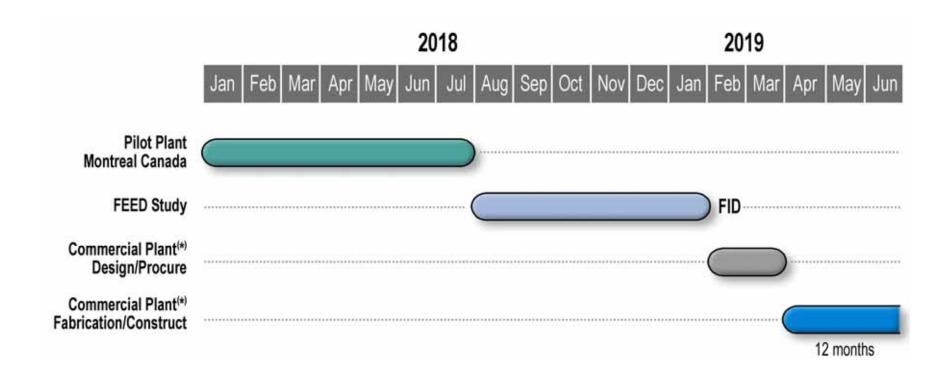
Scoping Study Results

(± 30% accuracy)

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

Commercialisation Plan





Source: Neometals 2018 *Subject to FID

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



Barrambie Titanium Project

100% Neometals



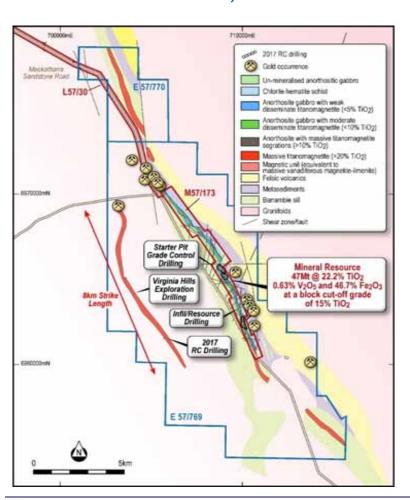


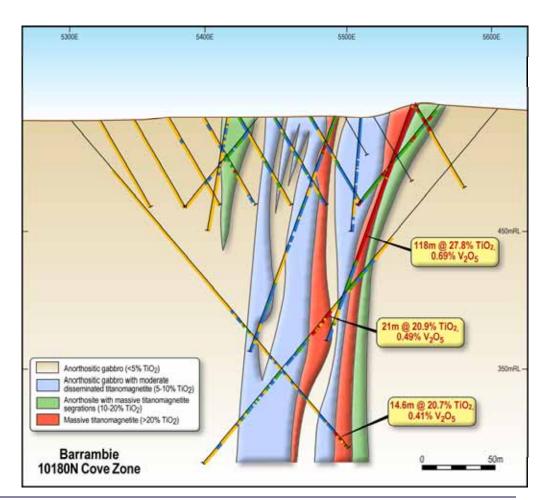


Globally Significant Ti Resource



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



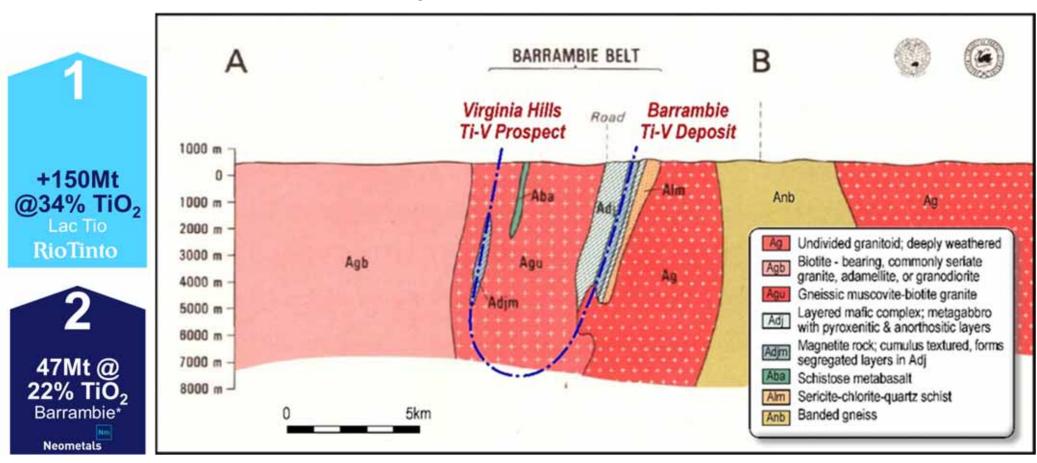




Just scratched the surface



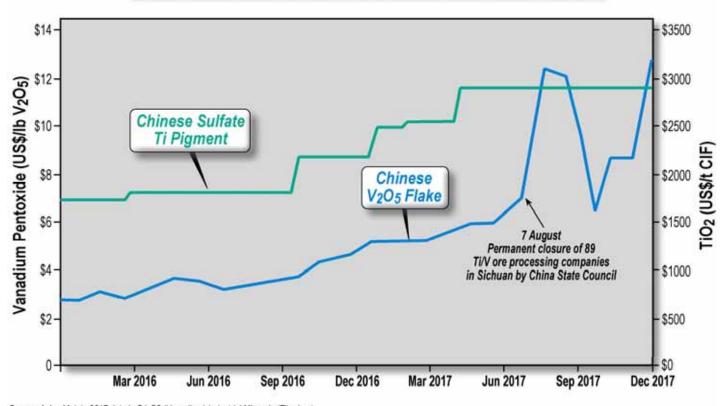
Government Seismic Survey indicates intrusion extends ~4km below surface



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



Prices for Vanadium & Titanium Chemicals



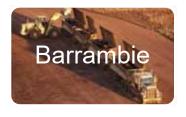
Source: Asian Metal. 2017 data is Q1-Q3 (Vanadium) Industrial Minerals (Titanium)



Dual Track Evaluations



Conventional Process















Ti Pigment

Neomet Process











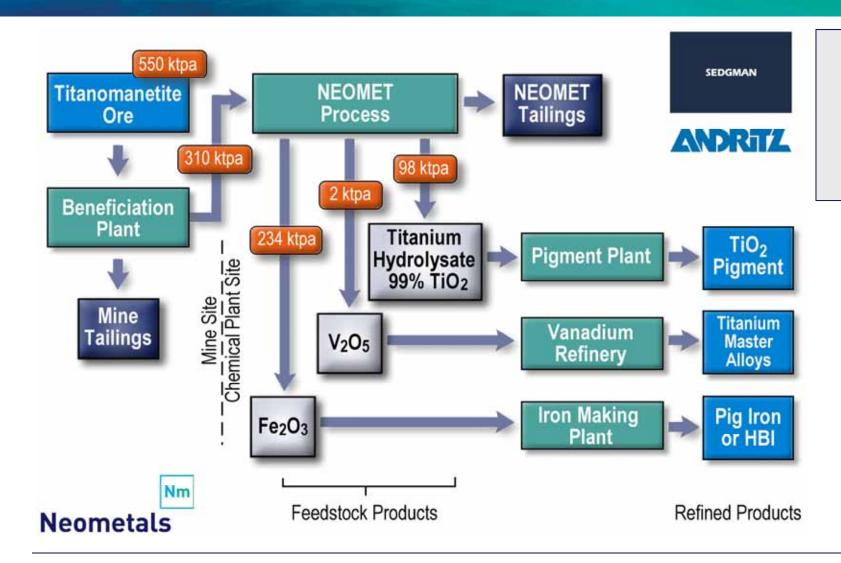


Ti Pigment



Neomet Process: 3 Product Efficiency

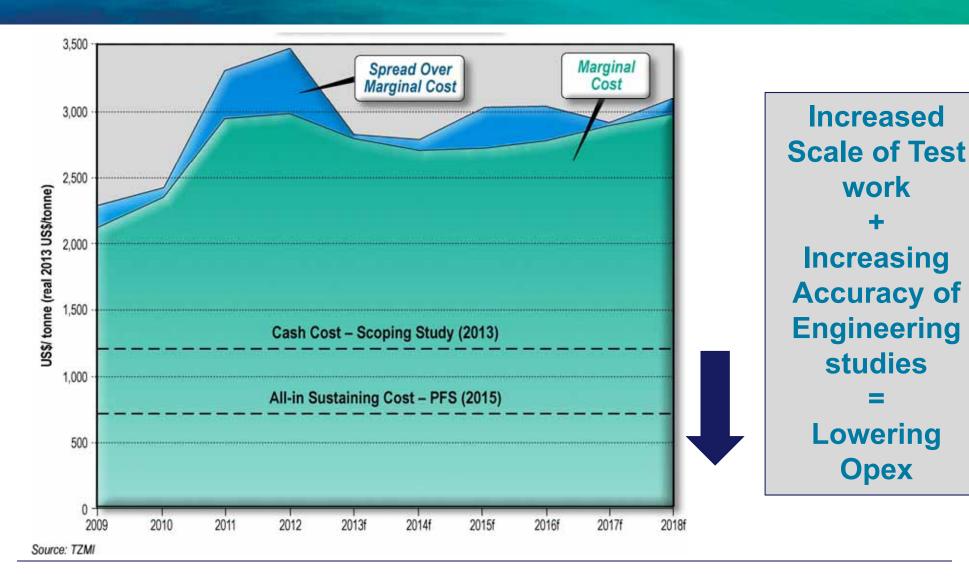




Strong EPC & OEM Strategic Alliance

Successful evaluation of Neomet Process will disrupt the Ti industry





Commercialisation Plan

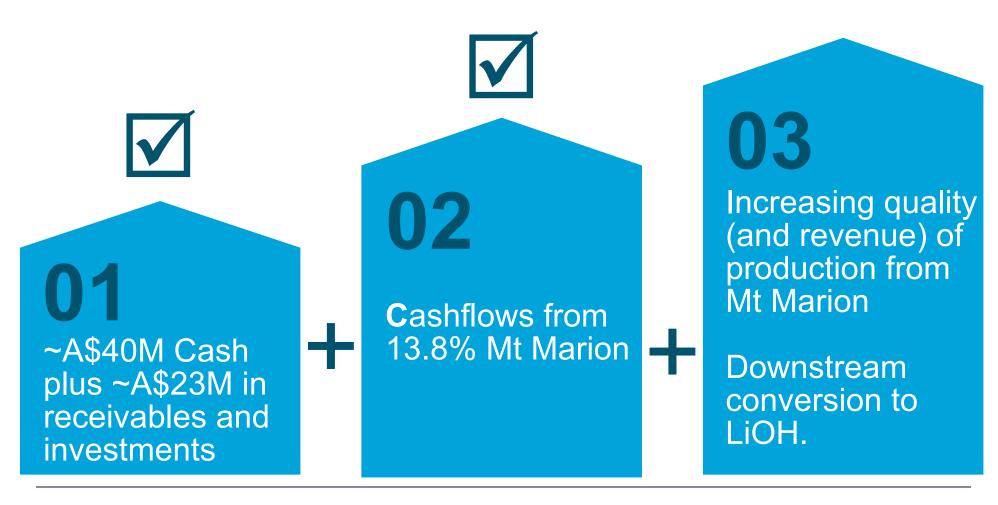




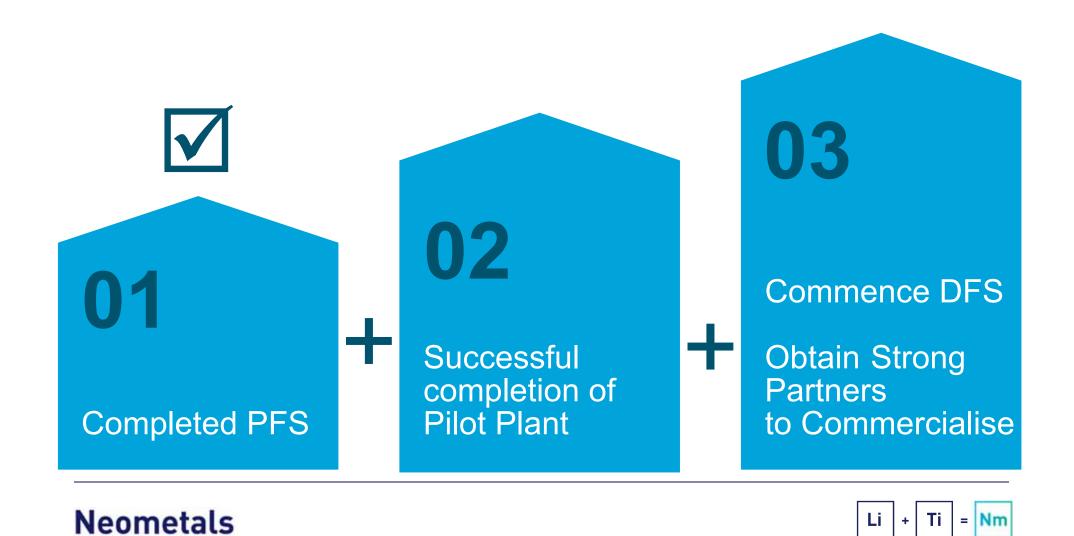
Investment Proposition



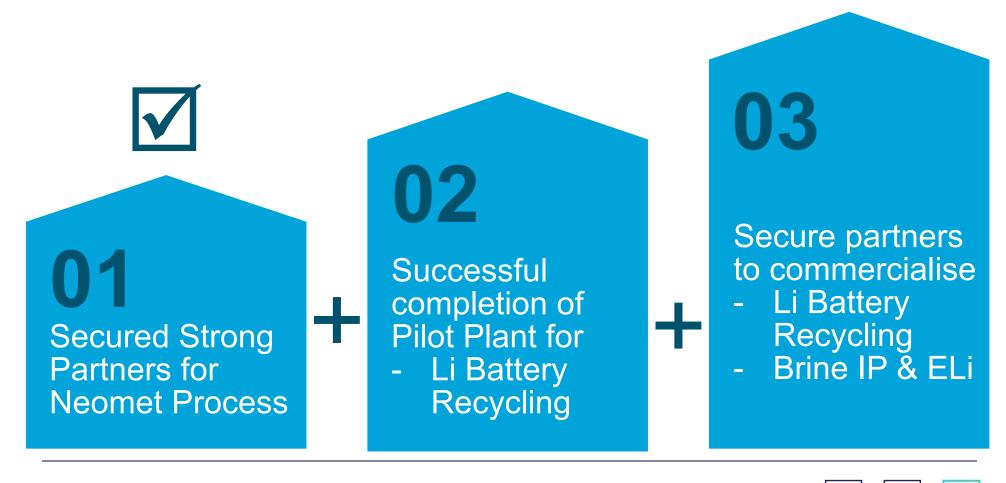
Lithium: Cash, cashflow & growth options



Titanium: the big one



Technology: developing a diversified portfolio



Thank you

www.neometals.com.au





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SUPPORTING INFORMATION

Corporate



Tactical Plan – FY18



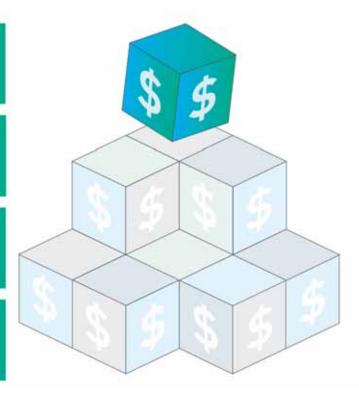
Grow market cap from maximising returns from existing operations, increasing margins via higher value (downstream) products and developing growth options.

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% Li₂O 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

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 cofounded 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 VicePresident of the
Association of Mining &
Exploration Companies.



David ReedNon-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 RitchieNon-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

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).



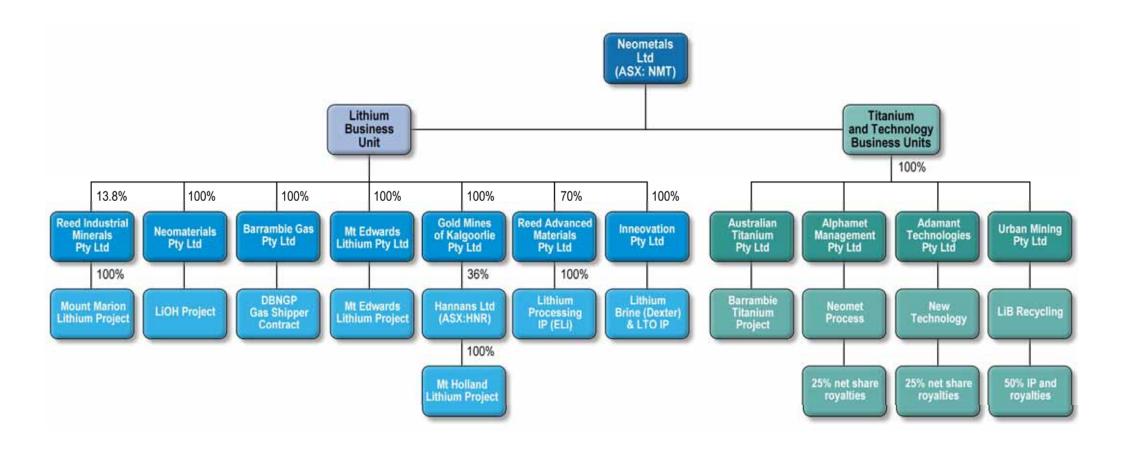
Mike Spratt PM - Titanium

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.



Operating Structure









Mt Marion Lithium Operation



Neometals 13.8% through Reed Industrial Minerals Pty Ltd



Mine Production/Guidance*



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



* Information taken from ASX:MIN announcement 16/8/2017.



Mineral Resource Estimate



Mt Marion Lithium deposit, as at October 2016, for a block cut-off grade of 0.5% Li₂O

Classification	Deposit	Tonnes (Mt)	Li ₂ O %	Fe %	
Indicated	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	
Indiantal Tatal		20.0	4.05	4.00	
Indicated Total		28.9	1.35	1.06	
Inferred	Area 1,2,2W	43.5	1.39	1.09	
micrica	71104 1,2,2	40.0	1.00	1.00	
	Area 4	0.8	1.07	1.09	
	Area 5	1.0	1.32	1.71	
	Area 6	3.5	1.33	1.07	
Inferred Total		48.9	1.38	1.10	
			4.00	4.00	
	Grand Total	77.8	1.37	1.09	





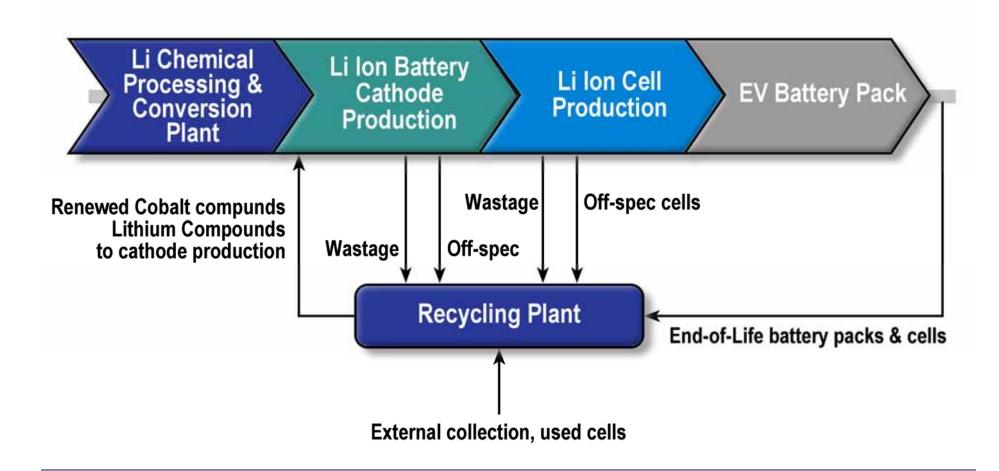


Downstream processing Lithium Battery Recycling

Neometals 50% of IP (3 US Prov. Pats) Exclusive licence to commercialise

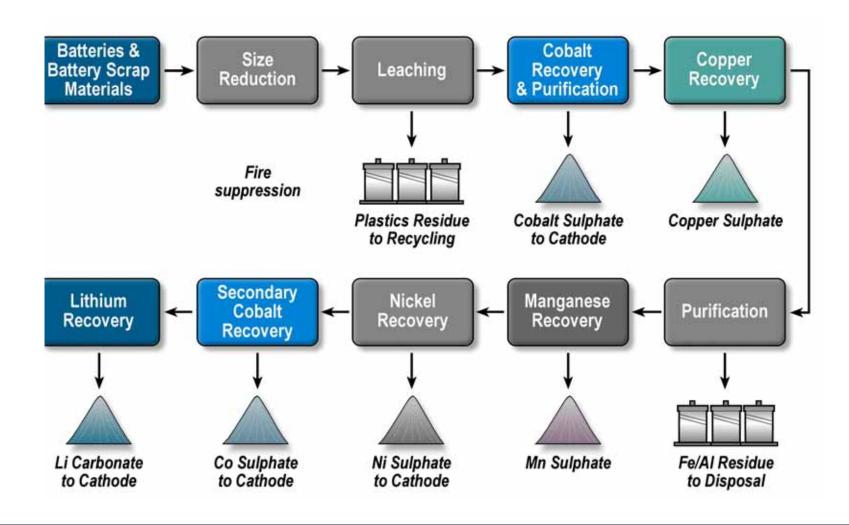
Closing the loop:Recycle and re-use





Flow Sheet







Barrambie Titanium Project

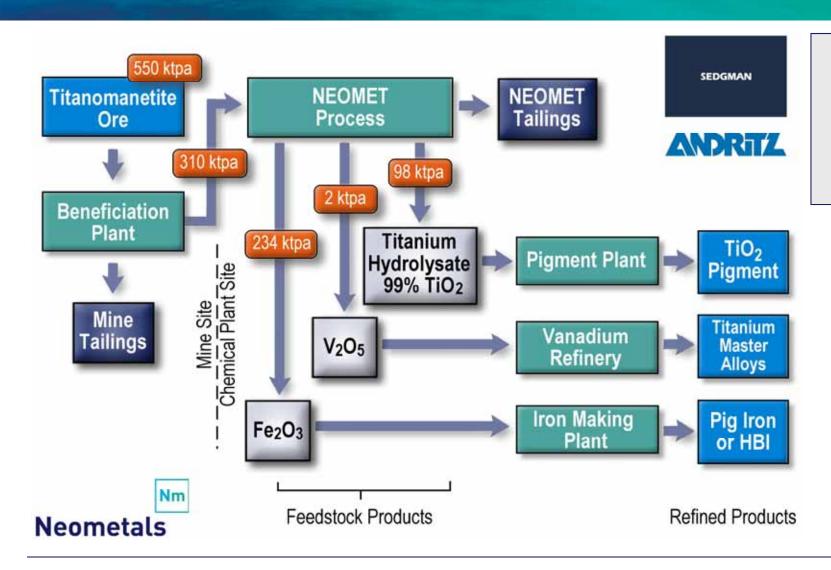
100% Neometals





Neomet Process: 3 Product Efficiency



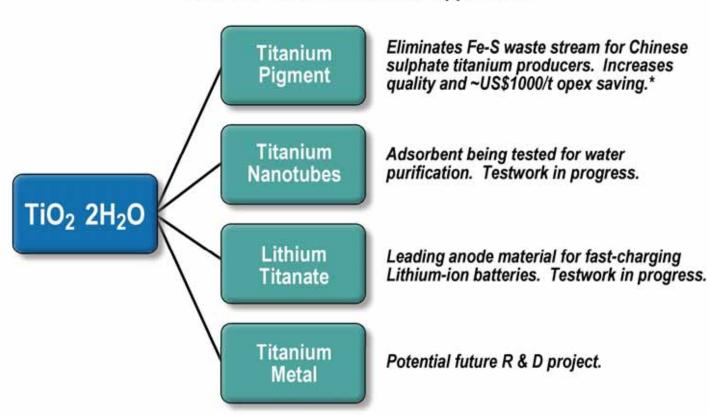


Strong EPC & OEM Strategic Alliance

Why Titanium Hydrolysate?

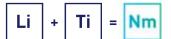


Premium Feedstock for broad application



^{*} Source: Neometals/Sedgman PFS August 2015





Mineral Resource Estimate



Barrambie Ti-V deposit, as at September 2015, for a block cut-off grade of 15% TiO₂

Classification	Zone	Oxidation	MTonnes	Density (t/m³)	TiO ₂ (%)	V ₂ O ₅ (%)	Fe ₂ O ₃ (%)	Al ₂ O ₃ (%)	SiO ₂ (%)
	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
Indicated	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
	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
Inferred	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
		Grand Total	47.2	3.18	22.18	0.63	46.70	9.44	15.07

Neometals

Li + Ti = Nm

Pre-feasibility Study - Financial Metrics (*)

Life of Mine (LOM)	19.6 years		
Pre-production Capital cost	A¢ 540 million		
(excluding EPCM and Contingency)	A\$ 549 million		
Average Annual Pre-tax Net Cashflow	A\$ 123 million		
Pre-tax Internal Rate of Return	21%		
Pre-tax NPV (12% real discount rate)	A\$ 355 million		
Payback of capital costs	3.9 years		
	98,000t TiO ₂		
Average Annual Production	2,000t V ₂ O ₅		
	234,000t Fe ₂ O ₃		
Cash Operating Cost per tonne	110¢ 572/4		
of paid TiO ₂ net of co-product credit	US\$ 572/t		

Assumptions: US\$1,838/t TiO2; US\$14,873/t V2O5, US\$520/t Fe2O3 Pigment, A\$/US\$0.75, Royalties (State/Technology) 10% Gross





^(*) Estimated to accuracy of ±25%

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

Li

Downstream processing Lithium Titanate R&D

Neometals 100%

Superior Anode Material for EV

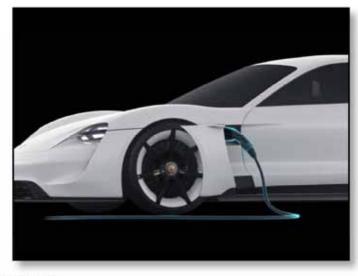




Super Fast Charging 80% < 15 mins

Wireless Charging Induction Pad

Unparalled Life Extremely Safe







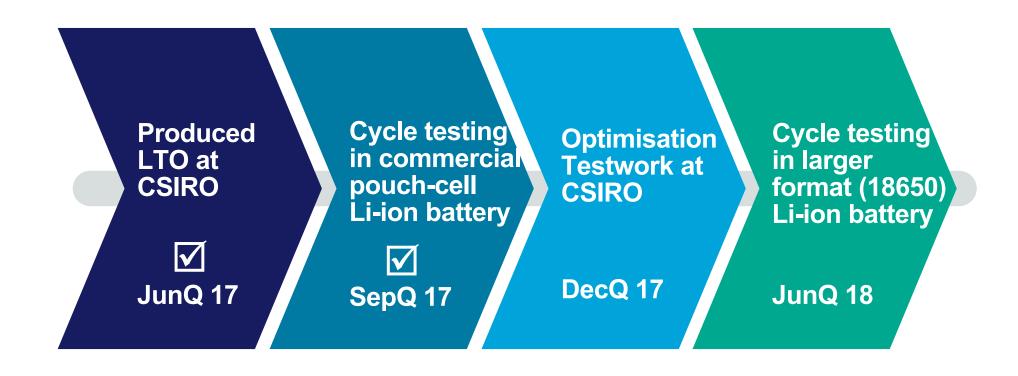
Source: Parsche

Source: Johnson Controls

Research & Development Plan







(*) Subject to Board Approval



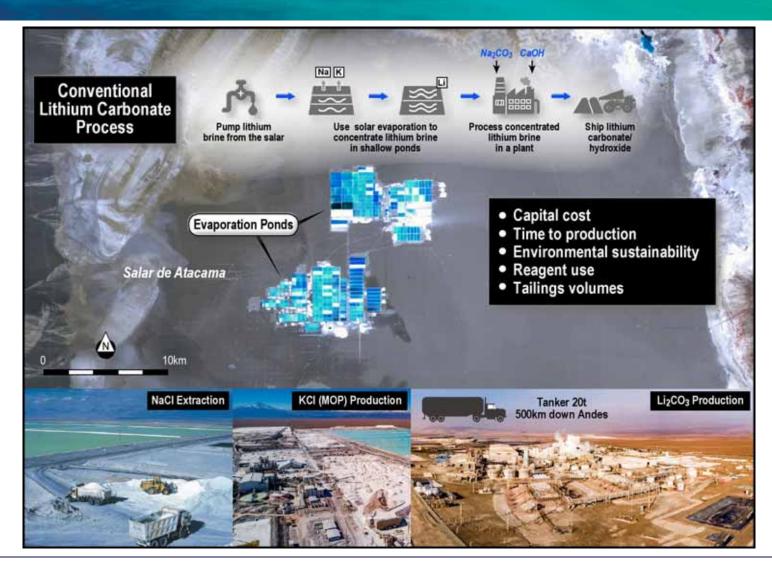
Li

Downstream processing Direct Extraction of LiCl from Brine

100% Neometals

Replace Evaporation with faster, friendlier LiCl recovery process







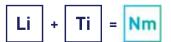
Direct Extraction via Adsorption





- Pat pendingTitanateadsorbent
- 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







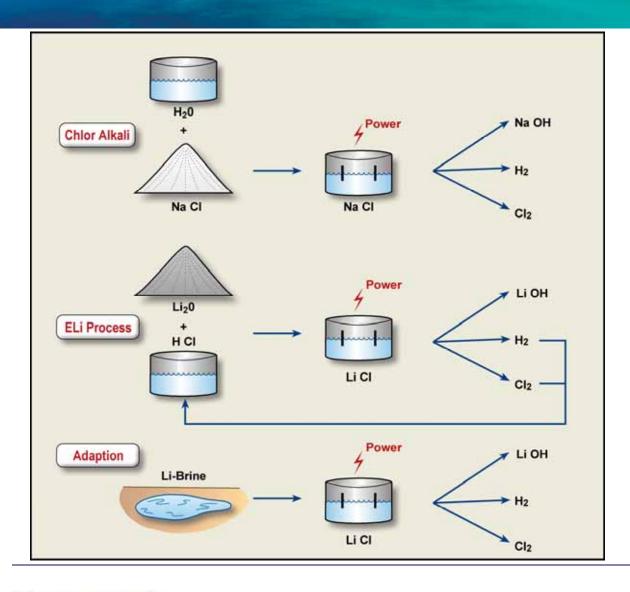
Downstream processing Direct Conversion of LiCI to LiOH

Neometals 70%

Mineral Resources Ltd 30%

Patented ELi Process - conversion of LiCI to LiOH from any source





IP

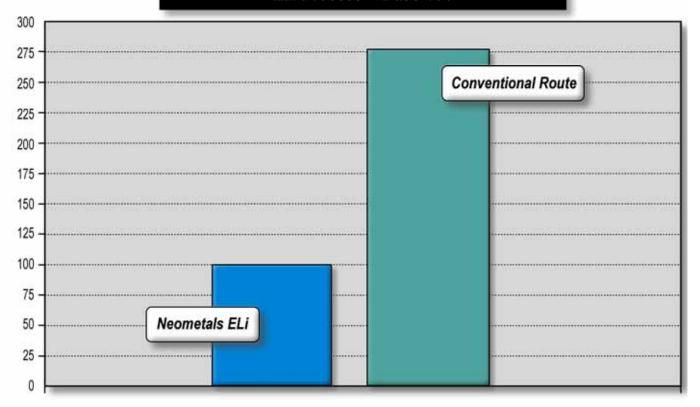
- 1 Granted patent (AU)
- 18 Pats pending



Gamechanger for LiOH from brine production



Relative LiOH Conversion Costs from LiCi Brine (US\$ per tonne LiOH.H2O) - 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)







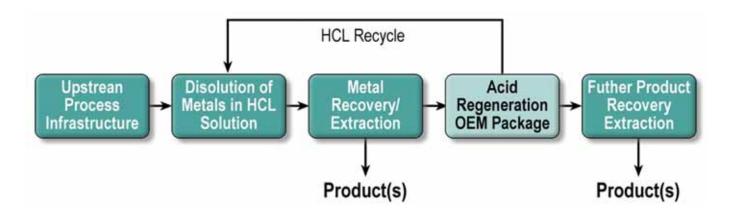
Technology Licensing Neomet Process

Neometals - 25% of sub-licencing royalties



Patented Neomet Process





Commodity agnostic – developed in Canada for Ni-laterites, in use commercially for treating refractory copper-gold concentrates.



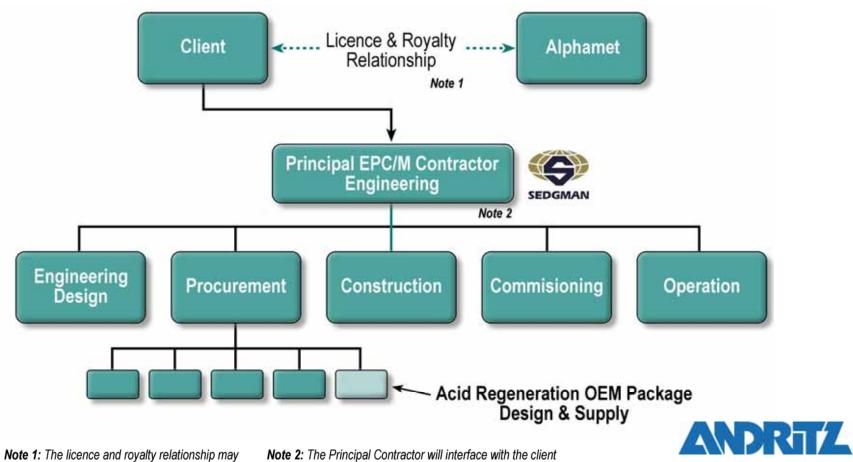
Neometals Laboratory in Montreal

First sublicence issued in SeptQ 17



Commercialising technology with leading industry partners





be managed through the EPC Contractor pending project and Client requirements

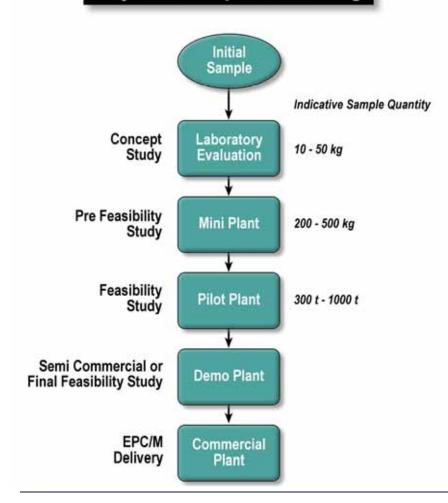
Note 2: The Principal Contractor will interface with the client directly and manage all delivery functions relating to the project (eg engineering, procurement and construction)



Project Development Phasing



Project Development Phasing





Laboratory scale set up (above) Pilot scale up (below)



