# **Quick Comment**

## Neometals Ltd (NMT \$0.16) Buy

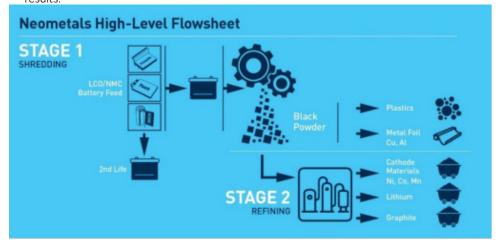


Analyst Date Price Target
Jon Bishop 2<sup>nd</sup> April 2020 \$0.35/sh

# Battery Recycling Pilot Complete: DD Underway ahead of Possible JV

### **Key Points**

- Pilot operation of NMTs proprietary (patent pending) Battery Recycling flowsheet has reached completion;
- The testing has demonstrated high recovery (+98%) and purity of battery grade (99.9%) nickel sulphate 'concentrate' from input shredded battery feed, above pre-test estimates;
- Additionally, high purity copper, manganese and cobalt sulphates have been recovered;
- The final stage of testing resulted in over 90% of lithium extracted as aqueous Li chloride from feed. This was in-line with pre-test estimates;
- The detailed operating data and metallurgical test work will now be reviewed by SMS Group during the current Due Diligence ('DD') phase ahead any decision to enter into a formal product commercialisation Joint Venture by end of this month;
- We see little impediment to SMS Group formalising the current MOU agreement to form a JV noting that the pilot has delivered exceptional results:



- Ahead of execution, both parties have commenced negotiations around legal agreements as well as progressing early engineering design work and procurement of contract work for the commercial scale plant. Costs shared equally:
- Successful completion and operation of the demonstration plant will compel the JV to progress a commercial scale plant with Dec Q 2020 targeted for FID:
- By way of reference, the Scoping Study on full scale commercial development equates to:
  - o 50tpd at <US\$7/lb opex;
  - Capex US\$66m;
  - o IRR pre-tax 72%;
  - NPV12 pre-tax of US\$220m.

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### **Investment Thesis**

The results from the pilot Battery Recycling are highly encouraging, with very high recovery of high purity Nickel sulphate a key driver for the economic potential of NMTs proprietary flowsheet. As a consequence, we anticipate that the recent MOU signed with SMS Group for the technology now looks highly likely to advance through full due diligence to formal JV this month. This will be a material independent validation of the Project, more-so given the Company current trades at cash backing. In general, this Project (following on from the MOUs struck for Barrambie and the LiOH concepts) continues to add weight to our favourable view of the Company's capacity to crystallise value in the early stages of new developments. And that NMT is often more advanced in these processes than the market understands. Therefore, significant free optionality exists and is maturing in the background. Buy maintained.

	Neometal	s Ltd	(NMT)
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Share Price	0.16	A\$/sh	Enterprise ValueNil, Zero, Zilch	A\$/m
Price Target	0.40	A\$/sh	Debt 0	A\$/m
Valuation	0.37	A\$/sh	Cash & Inv est. 87	A\$/m
Shares on issue	544	m(dil)	Largest Shareholder D Reed	9.0%
Market Capitalisation	87	A\$m		



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### **Contact Details**

**Euroz Securities Limited** 

+61 8 9488 1400

### **Research Analysts**

Jon Bishop - Head of Research Andrew Clayton - Resources Analyst Steven Clark - Resources Analyst Gavin Allen - Industrials Analyst Harry Stevenson - Industrials Analyst Seth Lizee - Associate Research Analyst

+61 8 9488 1481 +61 8 9488 1427 +61 8 9488 1430 +61 8 9488 1413 +61 8 9488 1429 +61 8 9488 1414

### **Institutional Sales**

Andrew McKenzie - Executive Chairman +61 8 9488 1407 Rob Black - Managing Director Jay Hughes - Executive Director Russell Kane - Executive Director Simon Yeo - Executive Director Timothy Bunney - Executive Director Peter Schwarzbach - Executive Director Stacy Kitsantas - Institutional Adviser Jayme Walsh - Institutional Adviser

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