

Neometals JV Battery recycling stage 2 commences

Neometals Ltd (ASX: NMT)

Announced that Primobius GmbH, the joint venture company owned 50:50 by Neometals and SMS group GmbH , has commenced wet commissioning the hydrometallurgical refining circuits of its showcase lithium-ion battery recycling demonstration plant.

Neometals	ASX : NMT
Stage	Production + development
Metals	Titanium + Vanadium + lithium + nickel
Market cap	A\$474 m @ 86 c
Location	Western Australia, Germany



Neometals Primobius JV
battery recycling
shredder

Neometals JV Primobius Battery recycling demonstration plant – stage 2 commissioning commences

HIGHLIGHTS

- Primobius commences wet commissioning of Stage 2 hydrometallurgical refinery;
- Stage 2 takes black mass and uses solvent extraction to recover active cathode materials (lithium, nickel, cobalt, and manganese) as individual high-purity chemicals for re-use in the production of new lithium-ion batteries; and
- Demonstration trials scheduled to commence in October and conclude in November.

Neometals Ltd (ASX: NMT) (“Neometals” or “the Company”), is pleased to announce that Primobius GmbH (“Primobius”), the joint venture (“JV”) company owned 50:50 by Neometals and SMS group GmbH (“SMS group”), has commenced wet commissioning the hydrometallurgical refining circuits of its showcase lithium-ion battery (“LIB”) recycling demonstration plant (“DP”).

The DP, located in Primobius’ leased building within the SMS group engineering competence centre in Hilchenbach, comprises a fully constructed Shredding and Beneficiation Circuit (Stage 1) and a Hydrometallurgical Refining Circuit (Stage 2). The

entire leaching and solvent extraction circuits has been water tested and leaching of intermediate active material (“Black Mass”) from Stage 1 and filtering the carbon anode residue has commenced.

The individual solvent extraction circuits (to recover copper, manganese, cobalt, nickel and lithium) will then be sequentially commissioned.

The fully integrated, continuous process DP trial constitutes one of the key evaluation activities required for the JV to make an investment decision relating to construction of Primobius’ first commercial integrated (Stage 1 and 2 combined) LIB recycling plant (“50tpd Integrated Plant 1”). Commencement of Stage 2 commissioning is another significant milestone for Primobius and the subsequent trials remain on schedule.

[For brevity, this summary has been redacted, to read the full news release, please click HERE](#)

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