## Neometals Report the Successful Demonstration of Their Vanadium Recovery Mini Pilot Plant

Neometals Ltd (ASX: NMT)

This innovative project development company announced the successful completion of its mini-pilot test work campaign on the Company's Vanadium Recovery Project.

Results confirmed excellent vanadium chemical product purity (>99.5% V205), strong recoveries (>75%) and reduced residence time for Neometals' patent pending hydrometallurgical process for recovering vanadium from Slag.

Neometals reports the successful trial of their mini vanadium recovery pilot plant



Neometals	ASX : NMT
Stage	Development
Metals	Titanium, Nickel, Lithium, Vanadium
Market cap	A\$128 m @ 23c

Neometals Ltd (ASX: NMT) ("Neometals" or "the Company"), the innovative project development company, is pleased to announce the successful completion of its mini-pilot test work campaign ("Mini-Pilot") on the Company's Vanadium Recovery Project ("VRP").

Results confirmed excellent vanadium chemical product purity (>99.5% V205), strong recoveries (>75%) and reduced residence time for Neometals' patent pending hydrometallurgical process for recovering vanadium from Slag.

## **HIGHLIGHTS**

- Successful demonstration of Neometals' proprietary vanadium recovery flowsheet in continuous mini-pilot test work campaign
- Exceptional product purity of greater than 99.5% V205
- Vanadium recoveries exceeding 75%
- Leach residence times reduced by 50% from Scoping Study design positive implications for capital costs
- Preliminary feasibility study ("PFS") manager appointed, targeting completion in June 2021

As previously announced (refer to ASX announcement titled "Neometals Signs High-Grade Vanadium Recycling Agreement" dated 6th April 2020 <a href="click HERE">click HERE</a>), Neometals has executed a collaboration agreement with Critical Metals Ltd ("Critical"), to jointly evaluate the feasibility of constructing a facility to recover and process high-grade vanadium products from vanadium-bearing steel by-product ("Slag") in Scandinavia ("Slag Recovery Facility").

Neometals will fund and manage the evaluation activities, including the

completion of Class 5, 4 and 3 AACE engineering cost and feasibility studies up to consideration of a final investment decision, which, if positive, will earn Neometals a 50% interest in an incorporated joint venture with Critical ("JV").

Critical has executed a conditional agreement ("Slag Supply Agreement") with SSAB EMEA AB and SSAB Europe Oy, subsidiaries of SSAB ("SSAB"), a steel producer that operates steel mills in Scandinavia. Slag is a by-product of SSAB's

steel making operations.

The Slag Supply Agreement provides a secure basis for the evaluation of a potential Slag Recovery Facility capable of processing 200,000 tonnes of Slag per annum without the need to build a mine and concentrator like existing primary producers.

Neometals is pleased to report the Mini-Pilot was constructed, commissioned and operated continuously through the campaign without any safety incidents or process challenges ). The Mini-Pilot confirmed earlier bench scale findings including

vanadium recovery from leach through to solvent extraction (SX) strip liquor, demonstrated a successful process control strategy and has given invaluable insights into minor impurity deportment and their control through the circuit.

Of particular significance was the achievement of chemicalgrade vanadium pentoxide at high recovery rates and low residence times. Passing this major technical milestone is important and gives

To read the full news release, please click HERE

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