

# RCF makes further investment into Murchison Vanadium strategy

27 March 2023

The Board of advanced vanadium developer, Technology Metals Australia Limited (ASX: **TMT**) (**Technology Metals**, or the **Company**) notes the announcement by Australian Vanadium Limited (ASX: **AVL**) (**AVL**) that Resource Capital Fund VII L.P. (**RCF**) has lodged a Notice of initial substantial holder showing a 5.35% interest in AVL.

TMT is pleased to reconfirm that RCF remains its largest shareholder with a shareholding of 17.2%, with no change in its holding since having initially invested in the Company in September 2021. RCF is now the largest shareholder of both TMT and AVL based on public disclosures.

TMT considers that RCF's investment in AVL, the holder of the vanadium development project adjacent to TMT's Murchison Technology Metals Project, reconfirms its positive outlook on the vanadium sector and the opportunity to create a world class vanadium operation centred in the Murchison region of Western Australia.

RCF has now invested \$13.5m in TMT and \$8.0m in AVL for a total of investment of \$21.5m to secure a major shareholding across the adjoining Murchison Technology Metals Project (TMT) and Australian Vanadium Project (AVL).

TMT is maintaining its clear focus on the timely and efficient development of the Murchison Technology Metals Project to the benefit of all its shareholders and to deliver a secure, reliable supply of high purity vanadium pentoxide to support the global transition towards net zero.

## AUTHORISED FOR RELEASE ON THE ASX BY THE COMPANY'S BOARD OF DIRECTORS

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## Forward-Looking Statements

This document includes forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Technology Metal Australia Limited's planned exploration programs, corporate activities, and any, and all, statements that are not historical facts. When used in this document, words such as "could," "plan," "estimate," "expect," "intend," "may", "potential," "should" and similar expressions are forward-looking statements. Technology Metal Australia Limited believes that it has a reasonable basis for its forward-looking statements; however, forward-looking statements involve risks and uncertainties, and no assurance can be given that actual future results will be consistent with these forward-looking statements. All figures presented in this document are unaudited and this document does not contain any forecasts of profitability or loss.

## About Technology Metals Australia

Technology Metals Australia Limited (ASX:TMT) is a future-oriented ASX-listed company focused on the development of its flagship, 100 per cent owned Murchison Technology Metals Project (**MTMP**), which is expected to meet global demand for high-purity vanadium, increasingly recognised as a critical mineral around the world. The MTMP is located 50km southeast of Meekatharra in the mid-west region of Western Australia and is one of the highest-grade vanadium projects in the world, with planned production at 6% of current global vanadium demand.

The MTMP has a Global Mineral Resource Estimate (MRE) of 153.7Mt at 0.8% Vanadium Pentoxide ( $V_2O_5$ ), with the Integration Study incorporating high-grade ore from the Yarrabubba satellite deposit into the central processing hub at Gabanintha. The completion of the Integration Study has facilitated the progression of the Implementation Phase of the MTMP and the move towards development, construction, and operation of the project.

TMT's vision is to be a leader in the Australian and international vanadium industry playing a crucial role in meeting a growing demand for a critical metal that helps the world to decarbonise. Together with vLYTE, TMT's wholly owned subsidiary focused on adding downstream value to high-quality feedstock, the MTMP will be a strategic, long-life asset supporting the nascent and fast-growing vanadium redox flow battery industry. TMT's ESG values extend beyond the MTMP's production – TMT's contribution to a cleaner world is envisioned to include utilisation of renewable energy generation, battery storage, heat capture and transition to electric options for mobile equipment.

## About Vanadium

Vanadium is a hard, silvery grey, ductile and malleable speciality metal with a resistance to corrosion, good structural strength and stability against alkalis, acids and salt water. The elemental metal is rarely found in nature. The main use of vanadium is in the steel industry where it is primarily used in metal alloys such as rebar and structural steel, high-speed tools, titanium alloys and aircraft. The addition of a small amount of vanadium can increase steel strength by up to 100% and reduces weight by up to 30%. Vanadium high-carbon steel alloys contain in the order of 0.15 to 0.25% vanadium while high-speed tool steels, used in surgical instruments and speciality tools, contain in the range of 1 to 5% vanadium content. Global economic growth and increased intensity of use of vanadium in steel in developing countries will drive near term growth in vanadium demand.

An emerging and very significant use for vanadium is the rapidly developing energy storage (battery) sector with the expanding use and increasing penetration of the vanadium redox flow batteries (VRFB's). VRFB's are a rechargeable flow battery that uses vanadium in different oxidation states to store energy, using the unique ability of vanadium to exist in solution in four different oxidation states. VRFB's provide an efficient storage and re-supply solution for renewable energy – being able to time-shift large amounts of previously generated energy for later use – ideally suited to micro-grid to large scale energy storage solutions (grid stabilisation).