

Australian Vanadium Ltd

12:35 24 Apr 2018

Australian Vanadium's test work points to low-cost beneficiation for Gabanintha vanadium

Australian Vanadium Ltd's (ASX:AVL) test work continues to deliver excellent results for vanadium from the Gabanintha project with which the company hopes to supply battery and steel markets.

The ongoing tests demonstrate that Gabanintha's unique high vanadium grade, coarse-grained, massive titaniferous magnetite, allows magnetic upgrading at relatively coarse grind size.

These features support a low-energy beneficiation process, which forms part of a pre-feasibility study (PFS) for the Western Australian project that is underway.

READ: Australian Vanadium continues to advance China-focused vanadium strategy

Shares were up 9% in early trade to 4.9 cents on volume of more than 12 million.

Managing director Vincent Algar said: "It is significant that Gabanintha is rapidly taking its place as a new deposit highly comparable to the few existing global vanadium mining operations.

"Key factors such as the high concentrate mass yield, high vanadium recovery and excellent magnetic concentrate quality with very low deleterious elements silica and alumina, allow that comparison.

"In addition, the coarse grind size and associated low comminution energy demand, all add to the high potential for a lower capital, and low operating cost beneficiation plant to feed downstream vanadium processing."

READ: Australian Vanadium raises \$3 million to advance Gabanintha Vanadium Project

The aim of the test work is to determine comminution parameters for Gabanintha's high-grade vanadium material, as well as determining the potential recovery and quality of concentrate.

Ongoing tests are being carried out on 24 large diameter diamond core samples with a focus on geometallurgical characterisation, flowsheet development and further optimisation of concentrate yield and quality.

Price: \$0.01

Market Cap: \$26.7 m

1 Year Share Price Graph



Share Information

Code: AVL

Listing: ASX

52 week	High	Low
	0.06	0.011

Sector: Mining

Website: www.australianvanadium.com.au

Company Synopsis:

Australian Vanadium Ltd (ASX:AVL) is focussed on The Australian Vanadium Project, near Meekatharra in Western Australia. The Australian Vanadium Project is a high-grade Vanadium Titanium Magnetite (VTM) deposit and is one of the highest-grade vanadium projects currently being developed in the world.

action@proactiveinvestors.com.au

An electrolyte pilot plant used in the test work.

AVL's comminution and beneficiation test program is being conducted on multiple diamond core samples.

Focus on concentrate recovery

The major focus is on the recovery of a vanadium concentrate from the high-grade zone of massive titaniferous magnetite.

This zone grades 1.06% vanadium pentoxide in the measured and indicated resource categories, averages over 20 metres in thickness, extends over 11 kilometres of strike and is open at depth.

Optimising beneficiation process

Algar said: "Our aim is to continue to develop our geometallurgical understanding of the Gabanintha mineralisation and optimise a beneficiation process to support a simple, low-cost flowsheet to take to our PFS.

"AVL now has a very strong technical team in place, with experience in vanadium production, VRFBs and in the production of electrolyte."

Gabanintha Delivers High Grade #Vanadium Concentrates - Grade and yield of magnetic concentrates sets project apart \$AVL <https://t.co/CS6YKHj2o2>
pic.twitter.com/QSUUL9APV5

— Australian Vanadium (@AusVanadium) April 24, 2018

Optimisation of concentrate quality has significant economic implications for the more cost-intensive downstream recovery processes for vanadium.

Primary PFS focus

The primary focus of the PFS is delivery of high specification products suitable for battery and steel markets.

Key aspects being completed in parallel with the remaining tests include environmental studies, native title negotiations, mining lease grant, process flowsheet development and preliminary mine modelling.

Proactive Investors facilitate the largest global investor network across 4 continents in 4 languages. With a team of analysts, journalists & professional investors Proactive produce independent coverage on 1000's of companies across every sector for private investors, private client brokers, fund managers and international investor communities.

Contact us +61 (0)2 9280 0700 action@proactiveinvestors.com.au

No investment advice

The Company is a publisher. You understand and agree that no content published on the Site constitutes a recommendation that any particular security, portfolio of securities, transaction, or investment strategy is suitable or advisable for any specific person. You understand that the Content on the Site is provided for information purposes only, and none of the information contained on the Site constitutes an offer, solicitation or recommendation to buy or sell a security. You understand that the Company receives either monetary or securities compensation for our services. We stand to benefit from any volume which any Content on the Site may generate.

You further understand that none of the information providers or their affiliates will advise you personally concerning the nature, potential, advisability, value, suitability or profitability of any particular security, portfolio of securities, transaction, investment, investment strategy, or other matter.

You understand that the Site may contain opinions from time to time with regard to securities mentioned in other products, including Company-related products, and that those opinions may be different from those obtained by using another product related to the Company. You understand and agree that contributors may write about securities in which they or their firms have a position, and that they may trade such securities for their own account. In cases

where the position is held at the time of publication and such position is known to the Company, appropriate disclosure is made. However, you understand and agree that at the time of any transaction that you make, one or more contributors may have a position in the securities written about. You understand that price and other data is supplied by sources believed to be reliable, that the calculations herein are made using such data, and that neither such data nor such calculations are guaranteed by these sources, the Company, the information providers or any other person or entity, and may not be complete or accurate.

From time to time, reference may be made in our marketing materials to prior articles and opinions we have published. These references may be selective, may reference only a portion of an article or recommendation, and are likely not to be current. As markets change continuously, previously published information and data may not be current and should not be relied upon.

The Site does not, and is not intended to, provide investment, tax, accounting, legal or insurance advice, and is not and should not be construed as providing any of the foregoing. You should consult an attorney or other relevant professional regarding your specific legal, tax, investment or other needs as tailored to your specific situation.

In exchange for publishing services rendered by the Company on behalf of Australian Vanadium Ltd named herein, including the promotion by the Company of Australian Vanadium Ltd in any Content on the Site, the Company receives from said issuer annual aggregate cash compensation in the amount up to Twenty Five Thousand dollars (\$25,000).