



VANADIUM

Independent Metallurgical Operations Pty Ltd (IMO) and Metallurgy Pty Ltd (Metallurgy) have experience in the development of both beneficiation and hydrometallurgical process flowsheets for vanadium projects. Our team have proven capability in the design, management and execution of vanadium testwork programs, project development, and due diligence.



Our scope of services ranges from sample selection, ore characterisation and mineralogy, through to management of metallurgical testwork, scoping and feasibility studies and client representation through plant commissioning, ramp up and process plant optimisation.

PROJECT	CLIENT	OUR WORK
Lake Maitland, Western Australia	Mega Uranium	Scoping through to FS project, process and testwork management. Vanadium and uranium beneficiation and hydrometallurgical flowsheet development from batch testwork through to continuous piloting. Development of a vanadium precipitation circuit to generate a saleable V ₂ O ₅ by-product.
Caula Graphite and Vanadium Project, Mozambique	New Energy Minerals (formerly Mustang Resources)	Initial flowsheet development testwork utilising a combination of high intensity magnetic separation, fine sizing and flotation to generate a high grade V ₂ O ₅ mineral (vanadium bearing mica) concentrate from a graphite flotation tails.
Australian Vanadium Project, Western Australia	RSC Mining & Mineral Exploration (RSC)	Metallurgical testwork to distinguish amenability of the iron-vanadium-titanium bearing lateritic ore samples to a potential heap leach operation.
Confidential Deposit	Great Western Exploration	Initial ore characterisation to determine an optimum beneficiation process route to generate a high grade V ₂ O ₅ mineral (vanadiferous maghemite) concentrate. Management of high intensity magnetic separation optimisation testwork to generate a high grade V ₂ O ₅ mineral concentrate.

► Please contact us for more details on how we can provide you with assistance and support to your project.

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