



# MAGNETITE

Independent Metallurgical Operations Pty Ltd (IMO) has extensive experience in the development of process flowsheets for magnetite deposits. Our team has proven capability in the design and management of testwork programs, project development and review, blend optimisation and operations throughout Australia and worldwide.

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



## PROJECT

## CLIENT

## OUR WORK

**Mount Bevan Project,  
Western Australia**

Atlas Iron

Conducting metallurgical testwork (comminution, variability (LIMS), bulk flotation) plus testwork management and data interpretation.

**Yerecoin Magnetite  
Project,  
Western Australia**

Burley Minerals

Magnetite Scoping Study Review (historical testwork programs and studies) identifying knowledge gaps and fatal flaws. Integration and recommendation of updated testwork program to support the prefeasibility study for the project.

**Sydvaranger,  
Norway**

Northern Iron

Provision of contract Metallurgical Superintendent to fast-track ramp up, de-bottlenecking and project improvement activities.

**Savage River,  
South Australia**

Grange Resources

Due diligence review and development magnetite pumping and pelletisation studies.

**Karara,  
Western Australia**

Gindalbie Metals

Due diligence study including later provision of metallurgists for on-site commissioning.

**Amazon Bay,  
PNG**

MIL Resources Ltd

Management of the project through to completion of the pre-feasibility study. Including testwork management, flowsheet design and Capital and Operating cost models.

**Razorback Ridge,  
South Australia**

Royal Resources

Due diligence study including capital and operating cost estimates for processing facilities, associated infrastructure, transport network and port facilities.

**Mayoko Iron Ore Project,  
Congo**

DMC Mining

Developed JORC compliant assay procedures including Davis Tube and Satmagan resource characterisation in addition to hematite and magnetite beneficiation testwork.

**Karelsky Okatysh,  
Russia**

Severstal

Process study including testwork design and management including development of novel magnetite concentrator loss reduction options.

**Jala Abad Project,  
Iran**

Mobin Mining and  
Construction Co.

PFS testwork development, testwork design, management and reporting.

**Mixed  
Hematite/Magnetite**

Confidential Client

Review, reporting, testwork design and scoping, management for lump and fines jig beneficiation pilot, client representation, BFS reporting.

**Magnetite Beneficiation &  
Pellet Plant Study**

Confidential Client

Study management services covering capital and operating cost estimation and transport study development.

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

[www.indmetops.com.au](http://www.indmetops.com.au)

## IMO Consulting & Operations

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## MAGNETITE continued

PROJECT	CLIENT	OUR WORK
<b>Titanomagnetite Project</b>	B&F Consolidated Group	Independent review of testwork from two separate feed stocks: a low-grade Titanomagnetite material & Vanadiferous Titanomagnetite tailings. Establishment of potential flowsheet options for processing this material.
<b>Confidential Project</b>	Cube Consulting	Technical due diligence assessment of magnetite scoping study, including assessment of testwork and existing beneficiation options and gap analysis.
<b>Byro Magnetite Project, Western Australia</b>	ResourcesWA (Athena Resources )	Due diligence on the suitability of the metallurgical testwork conducted to date by Athena Resources.

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

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