



# PROCESS ENGINEERING

Independent Metallurgical Operations Pty Ltd (IMO) has extensive Process Engineering experience. This includes significant expertise in study management of all disciplines across multiple commodities.

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



PROJECT	CLIENT	OUR WORK
<b>Doolgunna Copper Project, Western Australia</b>	Sandfire Resources NL	Completion of the metallurgical component of the PFS and scoping studies. Delivered process flow diagrams and process design criteria. Study deliverables including capital and operating costs.
<b>Dargues Reef, New South Wales</b>	Cortona Resources / Unity	Complete metallurgical development from initial sampling through to process plant DFS engineering. Client representation for engineer selection and stakeholder management.
<b>Hemerdon Project, United Kingdom</b>	Wolf Minerals	Completion of a 20 tonne Tin/Tungsten pilot for DFS confirmation. Further provision of client representation into engineering and design.
<b>Etango Uranium Project, Namibia</b>	Bannerman Resources	Sighter test work, pre-feasibility testwork program, project support for flowsheet through to DFS level for Uranium acid heap and agitated tank leach flowsheet options.
<b>Castle Hill, Western Australia</b>	Phoenix Gold	Complete metallurgical development in support of the BFS. Management of variability testwork. Completion of heap leach amenability studies.
<b>Raub Tailings, Malaysia</b>	Raub Australian Gold Mine	Assistance with conceptual design, flowsheet development, project management, fabrication and construction, commissioning and optimisation of a 1 Mtpa tailings retreatment project.
<b>Toms Gully Tailings Project, Northern Territory</b>	Kakadu Resources	Detail design, equipment specification and selection and commissioning of a gold tailings retreatment facility, utilising equipment from Toms Gully and White Range gold treatment plants.
<b>Lake Maitland, Western Australia</b>	Mega Uranium	Sighter testwork, flowsheet development, scoping study, PFS, DFS testwork and process design management and review of several processing options
<b>Lake Way, Western Australia</b>	Toro Energy	SysCAD flowsheet modelling and 3rd party review.
<b>Batu Hijau Process Plant Expansion, Indonesia</b>	Amman Mineral Nusa Tenggara	Peer Review of the Batu Hijau Process Plant Expansion Feed Study. This included assessing whether the level of process engineering completed being sufficient to facilitate preparation of the detailed design and engineering, needed to tender and for construction.

► 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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## PROCESS ENGINEERING (continued)

PROJECT	CLIENT	OUR WORK
<b>Graphite Electrochemical Purification Project, Western Australia</b>	Confidential	Novel commercial equipment design developed through metallurgical testwork. Completion of scoping study including process plant layout, mass balance, capital (including building) and operating costs.
<b>Segilola Gold Project, Nigeria</b>	Thor Explorations	Completion of feasibility level metallurgical testwork and generation of a process design criteria required for detailed engineering design.

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