



# GOLD

Independent Metallurgical Operations Pty Ltd (IMO) has highly relevant experience in the development of process flowsheets for alluvial, oxide and sulphide gold projects. Our team have proven capabilities in the design and management of gold testwork programs, project development, commissioning and operations throughout Australia and worldwide.



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

PROJECT	CLIENT	OUR WORK
Various Sites and Projects	Barrick Gold Corporation	Metallurgical support for studies and operations, including Granny Smith, Lake Cowal, Darlot.
Boddington, Western Australia	Newmont	Commissioning, ramp up and operational support, debottlenecking and upgrade study assistance.
Various sites, Western Australia	Anglogold Ashanti Ltd	Metallurgical optimization testwork and consulting for various sites. Sunrise Dam: gravity sulphide recovery study including testwork management, technical evaluation, capital and operating cost estimation.
Telfer, Western Australia Lihir, PNG	Newcrest Mining Ltd	Commissioning support and process improvement projects (on-going).
Dargues Reef, New South Wales	Cortona Resources / Unity	Complete metallurgical development from initial sampling through to process plant DFS engineering. Client representation for engineer selection and stakeholder management
Hidden Valley, PNG	Newcrest Mining Ltd	Commissioning , debottlenecking and rampup including providing five (5) metallurgists over 12 months.
Leonora Gold Project	Kin Mining Ltd	Management of Scoping, PFS and DFS level metallurgical testing from flowsheet development to final reporting.
Raub Gold Mine, Malaysia	Raub Australia Gold Mines	Testwork, process design, equipment selection, procurement, construction management and commissioning.
Sepon, Laos	Oz Minerals	Metallurgical Testwork to support process optimisation, cyanide code audit for a gold/copper project.
Wiluna & Matilda Gold Project	Blackham Resources	Wiluna: Management of FS level study through flotation and refractory gold tertiary processing from batch testing to piloting.  Matilda: Management of PFS and DFS level studies for the restart of the Matilda Processing Plant. On-site commissioning support during start up and ramp up.
Grosvenor Gold Project, Western Australia	RNI	Combined CIL and Heap Leach options study and completion of supporting testwork and Project Management for the planned re-start of the Grosvenor CIL plant.

▶ 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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## GOLD continued

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<b>Boroo, Mongolia</b>	Centerra	Performance testing of the process plant.
<b>Mount Kare, PNG</b>	Indochine	Complete metallurgical development of PFS including full testwork management and execution.
<b>Ok Tedi, PNG</b>	OK Tedi Mining	Provision of Operational and Metallurgical Support.
<b>Obotan Gold Project, Ghana</b>	PMI Gold / Adansi Gold Company	Development of gold flotation option for the current process flowsheet and designing and managing flotation programs.
<b>Chatree, Thailand</b>	Kingsgate	Cyanide code audit training.
<b>Toms Gully, Northern Territory, Australia</b>	Primary Gold	Completion of a Feasibility Study to optimise conditions on an existing plant.
<b>Oyu Tolgoi, Mongolia</b>	Ivanhoe Ltd	Set up, operated, managed and trained local staff for a metallurgical testwork laboratory in Ulaanbaatar for bacterial oxidation and heap leaching studies.
<b>Okvau, Cambodia</b>	Renaissance Minerals	Testwork management and process flowsheet development for a complex gold ore.
<b>Darlot, KOTH, WA, Australia</b>	Red 5	Metallurgical testwork for both projects. Operations and commissioning assistance.
<b>Namdini Project, Ghana</b>	Cardinal Resources	NI43-101 sign-off, including study and testwork management of a flotation, ultrafine grind and leach flowsheet.
<b>KCGM, WA, Australia</b>	Northern Star	Metallurgical testwork investigating process options for a problematic ore. Results demonstrated a significant improvement in recovery relative to conventional processing.
<b>Various Projects</b>	Gekko Systems	Gravity gold recovery and cyanidation for numerous gold projects globally.
<b>Mungari, WA; Cowal, NSW, Australia</b>	Evolution Mining	Metallurgical support for operations, including Mungari and Lake Cowal. An independent review and client representation during the GlyCAT pilot campaign at Cowal Gold Operation.
<b>Old Highway, DeGrussa Project, WA, Australia</b>	Sandfire Resources	Old Highway: Scoping and PFS testwork. DeGrussa: tailings testwork and process options study.
<b>Woodlark Project, PNG</b>	Geopacific Resources	Metallurgical testwork due diligence. Process plant design criteria and flowsheet review. OPEX cost model generation for various scenarios. Provision of power supply options.
<b>Sukari Gold Project, Egypt</b>	Centamin Egypt Ltd	Provided commissioning management and a team of metallurgists, co-ordinators and mechanical specialists.
<b>Randalls Gold Project, Western Australia</b>	Silverlake Resources	Audit and review of processing operations. Provision of metallurgical site support.

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