



BAUXITE/ALUMINA/HPA

Independent Metallurgical Operations Pty Ltd (IMO) has significant experience in the development of process flowsheets for bauxite / alumina deposits. Our team has proven capabilities in process design, technical report preparation and presentation, project development, optimisation, testwork management and commissioning.

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
Koumbia Bauxite Project, Guinea	Alliance Mining Commodities Ltd (AMC)	Client liaison and project/testwork management ensuring schedule and budgets were achieved. Audit on geometallurgical model for both low temperature and high temperature recovery methods. Generation and analysis of marketing samples.
Worsley Alumina, Western Australia	South 32/ Worsley Alumina Pty Ltd	Provision of commissioning and ramp up metallurgists for commissioning and optimisation throughout entire process operations. Deficiency rectification, process flow diagram review and safety management.
Landak Bauxite Project, Indonesia	Hill Grove	Testwork scoping and management, including selection of representative bulk samples for testwork and design of beneficiation process routes based on testwork results.
Wuudagu Bauxite Project, Western Australia	SRK Consulting	Due Diligence review and reporting for the client's Independent Technical Assessment Report for inclusion in an IPO.
Wuudagu Bauxite Project, Western Australia	Valperlon Bulk Commodities Pty Ltd	Review of past and present testwork data conducted on the deposit and metallurgical testwork recommendation for selection, sizing and costing of beneficiation plant options.
High Alumina Iron Ore Benefication Process	Sundance Resources	Completion of Pre-Feasibility Study testwork review. Provision of support into design management including additional testwork scoping and reporting and Pilot testwork design, management and reporting.
Wandoo Bauxite Project, Western Australia	Iron Mountain Mining	Investigation of various upgrade methods such as gravity separation, scrubbing and removal of barren coarse fractions to produce a high-grade product amenable to down stream refining.
Cadoux Kaolin Project, Western Australia	Cadoux Ltd/ Alcoa Inc.	Since the initial involvement with Cadoux Ltd in 2017 providing flowsheet development, IMO has assisted the company with the design, construction, and operation of a complex pilot plant for the generation of ultra-pure 99.99% (4N) High Purity Alumina product on a continuous basis for both proof of process and end-user evaluation.

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

www.indmetops.com.au

IMO Consulting & Operations

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Eclipse-Gindalbie Project, Western Australia	Empire Metals Ltd	Metallurgical sighter testwork, assessing the abundance and quality of the kaolin within the project as well as its yield and brightness.
LCA Alunite Project, Western Australia	Lake Chandler Alumina Ltd	Literature review, followed by metallurgical testwork program to generate HPA & Potash from alunite ores.
Mt Kokeby Kaolin Project, Western Australia	Red Mountain Mining Ltd	Metallurgical testwork program, assessing the characteristics of the Mt Kokeby Kaolin Ore and its amenability to beneficiation processes for the generation of High Purity Alumina.

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