



CONTINUOUS PILOT TESTING

Independent Metallurgical Operations Pty Ltd (IMO) and its subsidiary Metallurgy Pty Ltd has extensive Pilot Plant experience. This includes significant expertise in design, construction and operation of various beneficiation and Hydrometallurgical Pilot Plants.

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
Cadoux High Purity Alumina, Western Australia	FYI Resources/Alcoa	Sighter testing through locked cycle, Engineering, Procurement, Construction, Management and Operation of a 99.99% High Purity Alumina pilot plant, operating continuously for seven days.
Wiluna Gold Project, Western Australia	Blackham Resources	Design, fabrication, management and operation of a multiple tonne, continuous milling, rougher and cleaner flotation pilot plant to generate an arsenopyrite gold concentrate for downstream testing and off-take marketing.
Pilgangoora Lithium Tantalite Project, Western Australia	Pilbara Minerals	Design and operation of a > 5t pilot inclusive of: Crushing, scalp screening of mica, milling, desliming, rougher, cleaner and recleaner flotation. Generating a spodumene concentrate. For off-take marketing.
L-Max	Lepidico	Construction and operation of the patented L-Max process pilot plant for a continuous 5 day run, processing lepidolite to generate lithium carbonate.
Epanko Graphite Project, Tanzania	EcoGraf Ltd	Construction and operation of a graphite flotation pilot plant consisting of multiple rougher, cleaner and regrind stages to generate 95% pure graphite concentrate.
South Kalgoorlie Lepidolite, Western Australia	Lithium Australia NL	Continuous rougher cleaner flotation of lepidolite to generate concentrate and tailings for downstream hydrometallurgical pilot plant testing.
Orom-Cross Graphite Project, Uganda	Blencowe Resources	Construction and operation of a graphite flotation pilot plant consisting of multiple rougher, cleaner and regrind stages to generate a bulk graphite concentrate.
Sarytogan Graphite Project, Kazakhstan	Sarytogan Graphite	Construction and operation of a graphite flotation pilot plant consisting of multiple rougher, cleaner and regrind stages to generate a bulk graphite concentrate for further downstream refinery and battery testwork.
Kambale Graphite Project, Ghana	Castle Minerals	Operation of a graphite flotation pilot plant which generated a saleable (>95%) bulk graphite concentrate. Concentrate currently being tested to confirm lithium-ion battery suitability via downstream micronisation / spheroinisation, purification and battery testwork.
Goulamina Project, Mali	Leo Lithium	Construction and operation of a lithium flotation pilot plant consisting of grinding, deslime, WHIMS, multiple rougher, cleaner and regrind stages to generate a bulk lithium concentrate.

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

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