

Queensland Ores – Wolfram Camp



Client: Queensland Ores
Location: Australia
Commencement: 2007

Capability Groups: Mineral Processing
Completion: 2008

Services Provided

- Metallurgical testing
- Flowsheet development
- Detailed plant design
- Preassembly
- Modular plant supply
- Site installation
- Plant commissioning

Highlights

- Detailed design and supply of plant modules that were fabricated and assembled in a workshop off-site under Mineral Technologies direction
- Modules were then transported to site and installed within a tight timeframe
- Jig module tested on water off-site for pre-commissioning
- Modular containerised switch room



Smart Engineering

Mineral Technologies developed a modular plant design for a Tungsten beneficiation plant. The plant modules were designed to be trucked to site within the allowable road transport limits to avoid cost of piloting.

The process design included Kelsey Jigs, fine screening, wet shaking tables, wet drum magnetic separators and hydrocyclones.

The plant was fabricated and preassembled in our workshop, with complete structural, mechanical and piping fit-out.

Instrumentation and electrical equipment was also preinstalled in the workshop, including running of control and power cables.

The roughing plant was pre-commissioned on water in our yard prior to disassembly and shipping to site. This substantially reduced site construction cost and facilitated a quick start-up.

Site construction was completed under Mineral Technologies' supervision and the plant was commissioned on-site by Mineral Technologies.

