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smart project delivery

Ridley Magnetite Project Scope and Preliminary Feasibility Study

Client

Atlas Iron

Project Location

57 km West of Port Hedland

Project Capital Value

AU\$3 Billion

Project Summary

Engenium was engaged by Atlas Iron to manage and coordinate the development of the pre-feasibility study in October 2007.

The Ridley Magnetite Project is a AU\$3 Billion project producing 15 Mtpa of magnetite concentrate and included all minesite infrastructure, process plant, utilities and magnetite concentrate pipeline in the project scope.

The port alternatives investigated were Utah Point, Port Hedland Port Authority; FMG per Heads of Agreement to store magnetite concentrate; Berths 3 and 4, South West Creek, Port Hedland Port Authority and Offshore Trans Shipment.

Engenium managed the study from commencement through to April 2009 for a period of almost two years and were responsible for managing all the metallurgical testwork and designing the process.

Due to complexity, multi-disciplined nature and size of the project Engenium was required to engage and then manage a team of 20 specialist sub-consultants and contractors including mining engineers, drilling contractors, hydrological, testing, waste management, environmental, water supply, power supply, plant design, financial modelling and economic modelling consultants.

Working with all the specialists Engenium developed and managed the technical scope, schedule and cost aspects of all parties to develop a comprehensive study inclusive of:

- Metallurgical Testwork Report
- Study Report
- Capital Cost Estimate
- Operating Cost Estimate
- Risk Assessment
- Execution Plan

A high quality Study Report that will stand up to rigorous technical and financial scrutiny, to assist Atlas Iron with negotiations with potential financial and joint venture partners. The accuracy of the estimate was particularly robust and exceeded industry standards for a PES, which was a requirement for Atlas Iron.

Want To Know More?

For more information please contact our Perth office on +61 (0)8 6460 0300, email info@engenium.com.au, or visit our website engenium.com.au.

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