



Amazon Bay Ironsands Pre-Feasibility Study

Client

Foyson Resources Limited

Project Location

Amazon Bay approximately 270 km south east of Port Moresby, Papua New Guinea.

Project Value

AU\$150M

Scope

Engenium was engaged in July 2013 to undertake a pre-feasibility study for Foyson Resources Amazon Bay Ironsands project. The pre-feasibility study report covered metallurgical testwork, processing plant and material handling options, port facilities, general infrastructure and utilities, project approvals, capital cost and operating cost estimates and financial modeling.

Business Objective

The main purpose of the study was to determine the feasibility of an ironsands operation on the Amazon Bay resource. Previous work was based on a heavy mineral sands concept.

Challenges to Overcome

Mining of the resource is complicated because of its location within an 8 km wide coastal zone, comprising of black sand beaches spanning a distance of 200 km.

engenium

smart project delivery

Demonstrated Capabilities

- Delivery of a pre-feasibility study report to determine the feasibility of an ironsands operation.
- Experience in developing international ironsands projects in the Asia Pacific Region.
- Knowledge of Papua New Guinea, its landscapes and coastal areas.

Smarts

The technical solution was mining by dredging with a combination of floating processing plant and a fixed shore based processing plant. The transport solution for the primary concentrate had an initial start up strategy based on a localised operation and modified as the dredge moved further from the base.

Engenium resourced the project with highly experienced and skilled staff. Engenium used its experience with other overseas ironsands projects to identify a technical solution with a positive financial outcome.

Project Outcome

The pre-feasibility study was followed up by a trip to Papua New Guinea by Foyson Resources and supported by Engenium. Meetings were held with a potential investment partner, Papua New Guinea Authority officials, the Minister for Mining and a recent Deputy Prime Minister.

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 www.engenium.com.au.

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