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smart project delivery

Outflow Sample Station Upgrades Project

Client

BHP Billiton Iron Ore

Project Location

Nelson Point, Port Hedland, Western Australia

Scope

The scope was to complete a definition phase study (DPS) including detailed design and shop detailing for the BHP Billiton Outflow Sample Station Upgrades project. The sample stations designed form part of the North Yard and South Yard shiploading circuits at the port.

Business Objective

The objective of this project was to provide the client with a robust design and cost estimate to allow the project to tollgate into execution, handing over detailed drawings to the contractor and fabricator once the execution funds were released. Due to the installation of the sample stations being shutdown dependent there was a strict timeline for the work to be completed.

Challenges to Overcome

The project budget was constrained and required a redesign. Due to the restricted schedule, this was an incredible challenge to complete a nine month process in six months. The project team were required to break down the work into smaller packages and engage multiple contractors to complete the work on time.

Demonstrated Capabilities

- Delivered on our 'value' promise through exceptional capital cost savings of \$25m for the client.
- Successful execution of a definition phase study, detailed design and shop detailing for two sample station upgrades in the Pilbara.
- Coordination and completion of a project within an accelerated six month time frame.

Smarts

Additional resources were employed to allow for an accelerated program. Internal and external review periods were closely monitored to ensure deliverables were progressing constantly. Knowledge gained from the original design were used wherever possible to ensure speed of delivery and lessons learnt previously were captured.

Project Outcome

The project was delivered on time, which was extremely important to the client. The redesign work carried out by Engenium resulted in a capital cost saving of approximately \$25 million to the client.

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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