



engenium

smart project delivery

Flashbutt Rail Office Engineering Design & Support

Client

BHP Billiton Iron Ore (BHPBIO)

Project Location

Port Hedland, Western Australia

Contract Value

AU\$860,000

Scope

Engenium was engaged to complete the Detailed Engineering Design for the electrical power and lighting requirements at the existing Flashbutt Rail Operation Office in Port Hedland.

Business Objective

The objective of this project was to upgrade the electrical supply at the existing Flashbutt Rail Operation Office in compliance with BHPBIO standards and provide future expansion capacity.

The Detailed Design included:

- Car park lighting
- LV PDP modification
- Office facility power distribution

The project required the investigation and recommendation of the most cost effective installation for the car park lighting.

Demonstrated Capabilities

- Ability to integrate our services into a client's team to provide Engineering Design and Support.
- Flexible working arrangements to meet the client's needs.
- Experts in Construction Support and Electrical Design.

Challenges to Overcome

The selection of either reticulated lighting or solar lighting was a challenge. Engenium had to make sure the most practical and beneficial lighting solution was utilised.

Smarts

Several designs were produced to create a detailed cost comparative selection between the two types of lighting options to seek the most efficient solution.

Project Outcome

The optimum lighting solution identified for installation were the individual solar powered LED lighting towers.

Utilising solar lighting for the car park provided installation and future maintenance cost savings and allowed provision for future expansion.

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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