

Carmichael Rail Project - BMD Constructions PTY LTD



Case Study
GCM21-02

Year
2021

Client
BMD Constructions PTY LTD

Site/Location
Carmichael Rail
Queensland

Region
North Queensland

Scope
Major Plant and
Equipment Hire Contract

Rock Type
Waste Material

Rock Hardness
Up to 40Mpa

Total Production
71,840m³

Production Rate
257 m³/hour

GET Consumption
285 bcm/pick

Safety
Zero LTIs

PROJECT SUMMARY

Global Civil and mining was contracted through BMD Constructions PTY LTD to supply a Wirtgen 2500 Surface Miner to cut the material for the Carmichael Rail alignment.

The work was undertaken between February and April 2021 during the wettest time of the year. The Surface Miner was able to continue working during this period without delay.

A total of 71,840 m³ of material was cut out of the rail alignment and the material produced by the Surface Miner was reused as fill material along the rail.

Key project objectives were:

- To produce suitable material for re-use on the alignment;
- To eliminate over excavation;
- To final trim the rail alignment to sub-grade level;
- To minimise, noise, dust and environmental impact.

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