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Ore Body 25 Debottlenecking Project Engineering Design

Client

BHP Billiton Iron Ore Limited

Project Location

OB25 is located in the Pilbara Region of Western Australia, approximately 8 km east of Newman.

Project Value

\$200,000

Project Summary

BHP Billiton Iron Ore (BHPBIO) engaged Engenium to model and simulate the operation of the ore handling plant at OB25 with the objective of increasing throughput by removing bottlenecks.

Engenium worked with the BHPBIO sustaining capital and operational representatives to identify areas of constraint within the plant flowsheet.

Alternative solutions to address these areas of constraint were modelled to determine the overall system throughput improvement that could be expected.

A couple of alternative expansion plans were recommended to BHPBIO and following internal NPC analysis the preferred option was selected by the business.

A total capital spend of \$3M was required to adjust chutes, add in screens, replace motors and replace other minor equipment within the plant. These improvements resulted in an increase of 2 Mtpa through the plant.

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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