



**engenium**  
smart project delivery

## Brockman 4 Rail Project

### Engineering, Procurement and Construction Management

#### Client

Rio Tinto Iron Ore Expansion Project (RTIOEP)

#### Project Location

Pilbara Region, Western Australia

#### Project Summary

A 41 km rail extension to connect Rio Tinto's new Brockman 4 Iron Ore mine to their existing rail infrastructure at Brockman 2.

Engenium, through its Rail Project Delivery vehicle Calibre Engenium Joint Venture Pty Ltd, was involved in this project from an early stage in 2005 conducting Concept Level, Pre-Feasibility and Feasibility Studies and finally managing Engineering, Construction, Commissioning and Handover of the finished railway.

The scope of works included construction of a new siding and the upgrading of drainage at key locations on the existing Brockman 2 railway (built for a five year life in 1991).

It also included construction of a railway tunnel to provide grade separation of mine truck haulage from rail traffic, in-cab signalling and asset protection system, an optic fibre communications backbone and communications towers and direct locomotive control at the train loadout.

The scope of services included all Project and Study Management, Estimating, Engineering Design and Management of Sub-Consultants, Project Controls, Contract Management and Procurement, Construction Management, Safety and Environmental Management, Commissioning and Handover.

The project was completed on time, under budget and with no lost time injuries.

Engenium divested its interest in Calibre Engenium in 2010.

#### Want To Know More?

For more information please contact our Perth office on +61 (0)8 6460 0300, email [info@engenium.com.au](mailto:info@engenium.com.au), or visit our website [www.engenium.com.au](http://www.engenium.com.au).

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