

MEC Alliance



Location
Queensland

Client
BHP Billiton Mitsubishi
Alliance (BMA)

Project Dates
2013 - Current

Empower Engineers & Project Managers are part of the MEC (Mechanical, Electrical and Civil) design alliance. It is through this Alliance of organisations who are experts in their fields, that value engineering can be provided focusing on offering clients a cost competitive price point, and immediate local response.

Overview

Empower provides civil engineering advice, detailed design and construction services to a variety of projects across the resources sector through the MEC Alliance - in areas including the Bowen Basin and Gallilee Basin coal fields, and the metalliferous resource operations of Far North and Western Queensland.

Project scope

Key projects that have been completed as part of the Alliance include:

- Moranbah Airport Carpark Expansion - civil and mechanical design, construction support and certification of 600+ additional carpark spaces.
- Daunia Mine 15.5 kilometre Watermain Augmentation - together with Highlands Drafting and Engineering, Empower delivered successful detailed engineering advice preceding construction inspections and certification for mechanical and civil works.
- Broadmeadow Mine Roads Upgrade and Safety Ramp - Feasibility analysis for the upgrade of various in pit and ex pit mine roads, plus civil design of a heavy vehicle safety ramp for the main entry ramp into the pit.

Outcomes

By combining three specialist capability areas, we are able to deliver:

- innovative and cost effective solutions that have been subjected to rigorous constructability reviews
- personalised service drawing on technical expertise and attention to detail in order to deliver projects on time and within budget
- cutting edge technology and systems with third party accreditations
- a collaborative approach from one alliance
- certainty through reliable and honest, up front advice.