



engenium
smart project delivery

Demonstrated Capabilities

- Detailed Design and Drafting
- Earthworks Design
- Safety in Design
- Project Management

MEM Excavator Jacking Pads

Project Location

Pilbara region, Western Australia

Scope

Engenium was engaged by a blue-chip mining company in the Pilbara to complete the design of several earthwork pads.

Business Objective

The pads were required to support jacking equipment to raise the excavators, so maintenance tasks could be performed in the field without having to return the excavator to the main maintenance area. This initiative improved excavator availability and utilisation for the client.

Challenges to Overcome

The jacking pad solution required a fit for purpose design and various options were investigated in terms of hardstand and concrete stabilisation, including optimising the pad locations.

Smarts

Close liaison was required with the jacking equipment supplier to ensure that the pads were fit for purpose. The fill material required to support the jacking equipment was stabilised with cement to ensure that it had sufficient strength to support the loads from the excavators.

Project Outcome

The project was delivered under budget and on schedule. Selecting the earthworks pad solution over the concrete slab resulted in cost savings.

Delivering Value. Delivering Results.