

KEY PERSONNEL

Tim Morgan – Construction Manager

Tim has over 25 years' experience in the civil and mining industry. He has been involved in many key greenfield infrastructure projects within the mining industry, including the establishment of accommodation villages, workshop and administration installations, and port development projects.

Kevin Ho – Project Manager

As a civil engineer, Kevin brings to his current role of Project Manager 26 years of experience in the civil and mining industries, both within Australia and overseas. He has previously worked on a wide range of projects, such as tailings dams, highway construction and mining works, including construction of the Cockatoo Island seawall.

Sandor Schneider – Design Manager

Sandor has over 30 years of experience in the

drafting industry, commencing as a design draftsman and progressing through various roles within the drafting department until he was appointed Design Manager 15 years ago.

Alan Fernando – Project Engineer

With experience on projects ranging from bridge construction to non-process infrastructure, Alan brings multidisciplinary skills to the team, including capabilities in management engineering, design, quality assurance, surveying, and health, safety and environment. He took on his current role after completing Downer Mining's Graduate Development Program in 2013.

Marcus de Haas – Project Engineer

Marcus is a civil engineer with nine years' experience in the mining industry. Starting off as a graduate engineer, he has progressed to the role of Project Engineer and has worked on a variety of non-process infrastructure projects throughout Western Australia.

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Civil Projects



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Downer Mining's Civil Projects division provides a total project management service for the engineering design, procurement and construction management of mine-site infrastructure projects throughout Western Australia.

Managed by personnel with a wealth of experience in both the mining and civil construction industries, Civil Projects is able to offer turnkey solutions for both greenfield and brownfield projects, and efficiently manage subcontractors for specialist work using its own proven systems and controls.

The role undertaken by Civil Projects on a typical project includes:

- Management of engineering design and documentation for civil, structural, mechanical, electrical and hydraulic works
- Procurement of materials and equipment using the extensive resources available to the Downer Group
- Construction activities, including civil earthworks, services installation, foundation and concrete works, erection of structures and installation of internal building services
- Final commissioning of facilities and equipment for handover to the customer.

As all of these services are 'in house', Civil Projects is able to deliver mine-site infrastructure projects faster and on budget.

Downer Mining is committed to providing employment opportunities for Aboriginal and Torres Strait Islander people, and tailors recruitment strategies and development programs to meet customer needs. Annual targets for increased participation by Aboriginal and Torres Strait Islander people are set across the business.

KARARA MINING KARARA MINE

Contractor's Yard (\$12M)

Construction of the contractor's yard on a greenfield site, incorporating the following:

- Detailed earthworks of the yard to design levels
- Underground services (high voltage and low voltage power, fire ring main, potable water, communications, sewage and hydrocarbon capture) and reticulation to all structures
- 4-bay heavy vehicle workshop, including a light vehicle workshop and stores
- Tyre-changing facility, including storage yard, shed and jacking slab
- 500kL diesel fuel farm
- Dedicated lubrication storage for the workshop (including internal reticulation)
- Office complex
- Wash-pad facility and associated oily-water processing ponds.

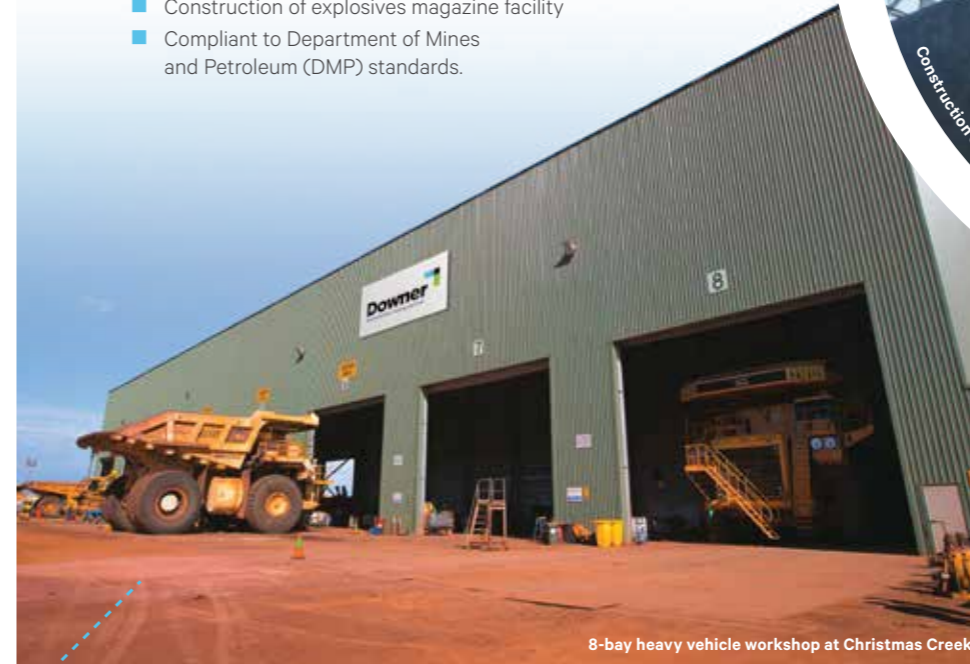
Explosives facility (\$2M)

- Construction of ammonium nitrate and emulsion storage facility
- Construction of explosives magazine facility.

FORTESCUE METALS GROUP CHRISTMAS CREEK MINE

Christmas Creek 2 Bulk Ammonium Nitrate Facility (\$13M)

- Bulk earthworks and stormwater drainage
- Construction of 2,000 tonne bulk ammonium nitrate facility - a fully enclosed steel superstructure
- 8 concrete bays
- Electrical and water reticulation
- Construction of explosives magazine facility
- Compliant to Department of Mines and Petroleum (DMP) standards.



8-bay heavy vehicle workshop at Christmas Creek



Construction of the Christmas Creek Bulk AN Facility

FORTESCUE METALS GROUP CLOUDBREAK MINE

Cloudbreak Wash-pad (\$4M)

- Dual heavy vehicle wash-pad facility
- Associated sediment and treatment ponds
- Electrical reticulation.

FORTESCUE METALS GROUP CHRISTMAS CREEK MINE - STAGE 2

Central Contractor's Yard 2 (\$30M)

Construction of the contractor's yard on a greenfield site, incorporating the following:

- Detailed earthworks of the yard to design levels
- Underground services (high voltage and low voltage power, fire ring main, potable water, communications, sewage and hydrocarbon capture) and reticulation to all structures
- 9-bay heavy vehicle workshop, including stores area
- Tyre-changing facility, including storage yard, shed and jacking slab
- Dedicated lubrication store for the workshop (including internal reticulation)
- Office complex
- Wash-pad facility and associated oily-water processing ponds.

FORTESCUE METALS GROUP CHRISTMAS CREEK MINE - STAGE 1

Central Contractor's Yard 1 (\$42M)

Construction of the contractor's yard on a greenfield site, incorporating the following:

- Bulk and detailed earthworks of the yard to design levels
- Underground services (high voltage and low voltage power, fire ring main, potable water, communications, sewage and hydrocarbon capture) and reticulation to all structures
- 8-bay heavy vehicle workshop, including a light vehicle workshop and stores
- 3-bay and 2-bay ancillary workshops (dome shelter style)

- Tyre-changing facility including storage yard, shed and jacking slab
- 3.7 million litre diesel fuel farm
- Dedicated lubrication storage for each workshop (including internal reticulation)
- Office complex
- Wash-pad facility and associated oily-water processing ponds.

Remote pit facilities (\$1.5M)

Construction of stand-alone remote pit facilities:

- Office, crib and ablution facilities
- Secondary fuel farms
- Go-line area
- Services provision and hook-up to all structures.

Explosives facility (\$3.2M)

- Construction of an ammonium nitrate and emulsion storage facility
- Construction of an explosives magazine facility.

ROY HILL IRON ORE ROY HILL MINE

Central Contractor's Yard (\$13M)

Construction of the contractor's yard on a greenfield site, incorporating the following:

- Bulk and detailed earthworks of the yard to design levels
- Underground services (high voltage and low voltage power, fire ring main, potable water, communications, sewage and hydrocarbon capture) and reticulation to all structures
- 4-bay heavy vehicle workshop, including a light vehicle workshop and stores
- 500kL diesel fuel farm
- Dedicated lubrication storage for each workshop (including internal reticulation)
- Office complex, including first aid training crib facilities.



Wash-pad facility at Christmas Creek (Stage 2)