

Mount Carlton Mine

Mount Carlton | Townsville



Scope of Works

Mount Carlton Mine was developed by Evolution and commissioned in 2013. It is now a highly successful core asset and is one of the highest-grade open pit gold mines in the world .

Shadforth were engaged by Evolution to construct a 42.3m tailings tunnel through the Mt Carlton mine site, located approximately 150km south of Townsville. The tunnel required a conveyor system through the tunnel to transport material into a crushing plant to extract the gold. The scope of works also included backfilling around the tunnel and construction of a floating concrete slab above.

The initial part of the works (erecting the tunnel) was to be completed within two weeks and was achieved, despite five wet days.

Specialised trades included sheet metal workers, concrete structure related trades and civil personnel.

Project Overview

Client

Evolution / Larpro

Start Date

May 2012

Completion Date

September 2012

Contract Sum to Date

\$1.2 Million

Project Team

Project Superintendent

Tony Connelly, Larpro

Project Manager

Phil Doolan

Site Supervisor

Tony Facey

Safety Manager

Glen Panoho

Environmental Officer

Greg Jenkyns

Project Particulars

- The outer surfaces of the reclaim tunnel were sprayed in-situ with a coating of a cold spray-applied membrane to a nominal thickness of 2mm. The access tunnel sections were also sprayed, together with the joining sections, which could then be assembled and put in place, ready for backfilling.
- Over 8,000 bolts were installed and torqued three times to meet required standard.

