

PROJECT PROFILE

Ootann Lime

Client: Phoenix Lime Pty Ltd / Metallica Minerals Ltd.

Country: North Queensland, Australia

Scope: Pre – Feasibility study

Project Value: Aus \$25 million

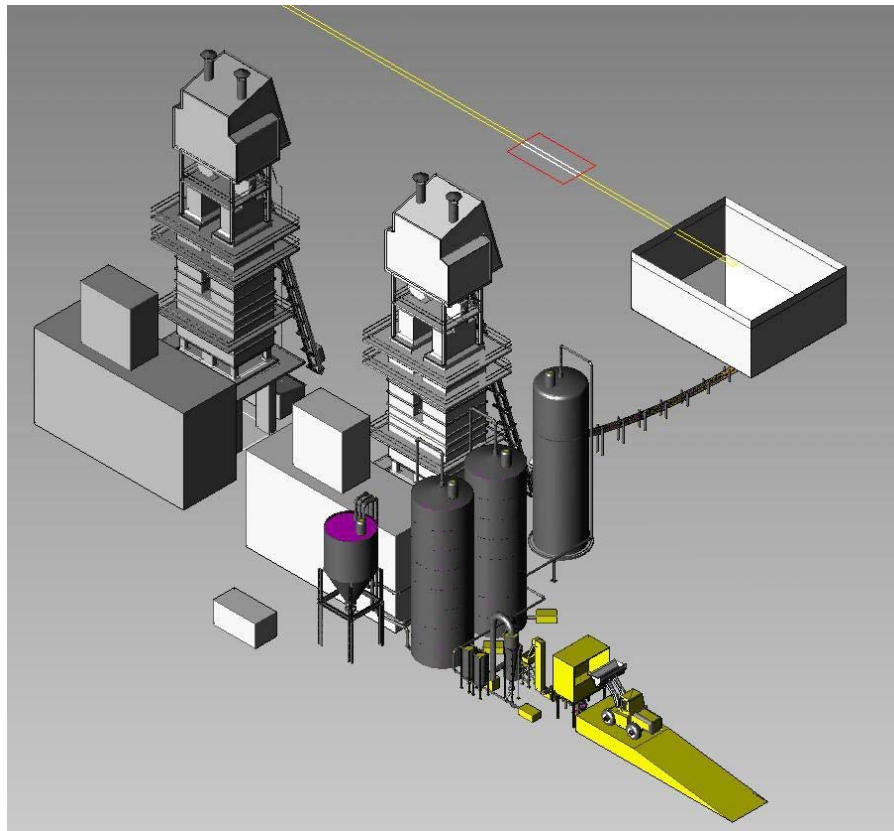
Year Awarded: 2007

Status: Completed



Features

- 100,000 tonne per annum Lime Plant upgrade
- Main purpose to supply 75,000 tonne per annum of Lime to Metallica Nornico Nickel project.
- Brownfield site



Project Description

Metallica Minerals Limited own the NORNICO Nickel Project (NNP) located at Mt Garnet in far North Queensland. NNP estimates that it will require 35,000 tonne of crushed high grade limestone per annum and 75,000 tonne of quicklime per annum when the proposed nickel plant at Mount Garnet comes on stream in 2010.

Phoenix Lime Pty Ltd a wholly owned subsidiary of Metallica owns a limestone mine at Ootann Railway siding in Far North Queensland, 135km SW of Cairns and 140km via all weather roads to NNP. This facility comprises a quarry, crushing and screening operation, decommissioned lime kiln, product storage, load out bins, weighbridge and site accommodation. The operation currently produces crushed rock for local roads and pulverised limestone for agricultural soil treatment. It is planned to upgrade this operation to supply NNP's crushed limestone requirement of 350,000 tonnes per annum.

Calder Project Services investigated the feasibility of constructing a lime kiln and processing plant at the Ootann railway siding quarry to supply NNP with their quicklime requirement rather than purchasing the product from an existing supplier located further afield.

The project involved the construction of a 300 tonne per day coal fired Maerz Parallel Flow Regenerative (PFR) shaft lime kiln and the removal of the existing kiln and modification to bins and structures to facilitate the introduction of the new kiln and associated infrastructure.

Achievements

Study within schedule and under budget.

Successful team effort working closely with client and other consultants

