



CASE STUDY:

Rio Tinto Gove Flocculant System

Location

Gove Peninsula, NT

Description

Control Panel for a skid mounted flocculant storage and mixing plant at the Rio Tinto Gove mine.

Features

Form 4A
B&R Mild Steel enclosure,
ABB ACS880 VSD's,
Siemens Simocode Motor Management

Scope

Design, construction

Design Specifications:

- IP54
- Indoor installation
- Rated Operating Voltage (Ue): 415VAC
- Current Rating (In): 80A
- Operating Frequency (Fn): 50Hz
- Rated Insulation Voltage (Ui): 600V
- Short Circuit Rating: 25kA
- Earthing System: TN-S
- Form Rating: FORM 4a
- Design Temp: 0-40°C (Ambient 30°C)

Enclosure Specifications:

- External and mounting material: 2.0mm Mild Steel
- Powdercoated: X15 Orange
- Escutcheon Colour: Gloss White
- Door Locks: Stainless steel 1/4 turn double bit lock
- Gland Plate Material: 6.0mm Aluminium Plate

Plinth:

- 100mm C Channel
- Hot Dip Galvanised

