



CASE STUDY:

Meridian Waste Water Treatment Plant

Location

Gladstone, QLD

Description

A waste water treatment plant for the Meridian coal seam gas (CSG) field in Central Queensland, near the town of Moura. The field currently produces 40 terajoules of gas per day.

Features

1x Main 250A Form 3bih MCC
2 x Remote Panels
Schneider Altivar 650 VSD's,
Weintek 15" HMI,
Siemens ET200SP PLC

Scope

Design, construction, programming

Design Specifications:

- IP54
- Rated Operating Voltage (Ue): 415VAC
- Current Rating (In): 250A
- Operating Frequency (Fn): 50Hz
- Rated Insulation Voltage (Ui): 600V
- Short Circuit Rating: 25kA
- Earthing System: TN-S
- Form Rating: FORM 3bih
- Design Temp: 0-40°C

Enclosure Specifications:

- External material: 2.0mm Mild Steel
- Powdercoated: X15 Orange
- Escutcheon Colour: Gloss White
- Door Hinges: Chrome
- Door Locks: Padlockable Swing Handle
- Gland Plate Material: 3.0mm Aluminium

