



CASE STUDY:

Future Generation Construction WTP

Location

Snowy Mountains, NSW

Description

Motor Control Centre for a Construction Water Treatment Plant at the Snowy Hydro 2.0 project. Snowy 2.0 is a pumped hydro-electric project that will link the existing Tantangara and Talbingo reservoirs through a series of new underground tunnels and a hydro-electric power station.

Features

Schneider Altivar VSD's,
Rittal TS8 Enclosures,
Siemens ET200SP PLC,
Weintek 10.1" HMI

Scope

Design, construction, programming

Certificate of Compliance provided:

- ✓ AS3000:2018
- ✓ AS61439.1:2016



Design Specifications:

- IP54
- Indoor installation
- Rated Operating Voltage (Ue): 415VAC
- Current Rating (In): 800A
- 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
- Mounting Panel Material: 2.0mm Mild Steel
- Powdercoated Colour: RAL7035
- Escutcheon Colour: Gloss White
- Door Hinges: Chrome
- Door Locks: Double-Bit Lock
- Cable Entry: Bottom
- Gland Plate Material: Aluminium

Plinth:

- 3.0mm Mild Steel
- Powder Coated Black

