



CASE STUDY:

German Creek Sewage Treatment Plant



Location

Middlemount, QLD

Description

Motor Control Centre for the German Creek mine sewage treatment plant. The STP wet weather system is designed to control and manage irrigation/storage of treated effluent.

Features

Form 4a,
8 pumps on Toshiba VFS-15 VSD's,
10 pumps on DOL,
250+ IO's on Allen Bradley ControlLogix PLC, 10" Allen Bradley HMI

Scope

Design, construction, PLC/HMI programming and onsite commissioning

Design Specifications:

- IP43
- Form Rating: Form 4a - all motor starter cubicles of demountable style

Enclosure Specifications:

- Enclosure material: 1.6mm mild steel
- Powdercoated RAL2000 Orange Finish
- Door Locks: 1/4 turn cam locks with 7mm square key insert
- Cableways to be fitted with Arc Chimney's in the top

Plinth:

MCC mounted on a hot dipped galvanised plinth

