![AIT - Control Systems Engineers logo]

Automation IT

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POWER STATION COMMON SERVICES   COMALCO - WEIPA

Project Overview:

The project involved the system upgrade of the Power Station Common Services Board. This switchboard provides for the power station services of Fuel, Oil, Compressed Air and general ventilation.

The board is divided into two Buses allowing either of the supplies to run all the required services.

Details:

The system consisted of GE Fanuc 9030 Genius Field I/O with 250 off associated digital and analogue signals.

The Common Services PLC functions included:

- Exhaust Fans
- Engine Air Compressor
- Fire Detection Air Compressor
- 200T Fuel Pumps (2 off Duty/Standby)
- Lube Oil Pumps (3 off)
- Salt Water Pumps Supply
- Diesel Engine Auxiliary Equipment
- Miscellaneous Supply Monitoring
    - Light & Power
    - Overhead Crane
    - Control Room A/C
    - Sewerage Plant
- Power Station Alarms

PLC - 9030
SCADA - Citect
NETWORKS - Genius Field I/O, Ethernet