Locomotive Test Facility Control Upgrade

Customer
Queensland Rail

Location
Brisbane, QLD, Australia

Plant Details
Redbank Workshop

Control System
PLC - Allen Bradley
SCADA - Citect

Project Overview:
Queensland Rail upgraded their locomotive test facility at Redbank. Locomotives are tested under load to determine if they meet known performance criteria. The upgrade involved the design and retrofit of new PLC / SCADA equipment into the existing control room and instrumentation.

Mipac Scope:

- Design and installation of a new Allen-Bradley PLC and CITECT SCADA system
- Design and supervision of all associated instrumentation and system communications
- PLC/SCADA programming
- Factory acceptance tests and final commissioning

Project Highlights:

- Minimise plant down-time
- Positive acceptance by the locomotive test facility operators
- The ease, accuracy and consistency of the test data has improved job satisfaction and efficiency for the Operators
- The locomotive test facility can provide prompt, reliable, accurate and detailed reports for tests performed