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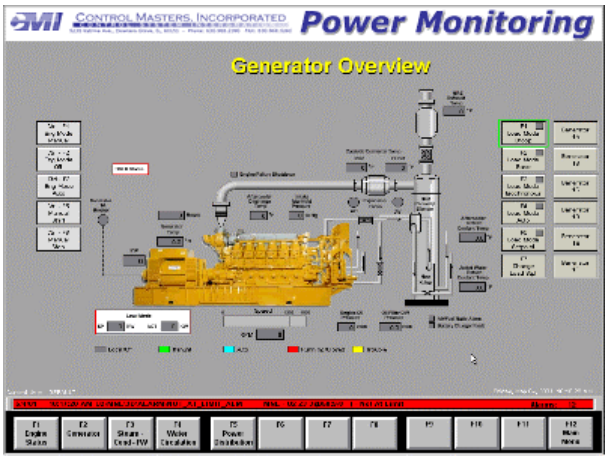
Control Masters Application Case Study

Co-Generation & Power Monitoring



Technologies

Multi-Vendor Network & Communications
Sequential Data Logging
Auto Pager Notification
Power Monitoring & Scheduling

Services Provided

PLC Integration
SCADA / HMI Conversion & Integration
Electrical Engineering
Network Engineering
Control Panel Design & Fabrication
Consulting

Project Description

This project was a complete systems integration for 12 engines to provide Co-Generation as well as power monitoring capabilities. This included a wide variety of technologies and a complete set of integration and control panel design services by Control Masters, Inc. The project was completed in 2 separate stages.

Stage 1 included control panel design and fabrication, CAD design services, PLC Integration, SCADA/HMI Design and Integration as well as Startup and Continuing Support Services.

Stage 2 was performed several years later and included modifications and additions to the PLC Logic, additional power monitoring capabilities as well as a complete conversion of a redundant USData FactoryLink ECS SCADA/HMI Stations to redundant RSView32 Ver. 6.3 Stations. In addition to the conversion, other changes, additions and improvements to the original application were also made based on customer request.

RSMessenger was added to the SCADA/HMI systems and now provides for 24/7 monitoring of the system and the paging of maintenance and operating personnel when a specific set of parameters and/or alarm conditions are present.

An Ethernet Network was designed to provide connectivity to new power monitoring equipment being installed at remote locations throughout the plant. This information is collected and presented to the operator via OPC communications at the RSView32 Stations.