

CHP Plant Iggesund Paperboard, Workington



safety solutions

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Background

The CHP was added as an upgrade to an existing Paperboard Manufacturing Facility. Emission Reporting and Tariff metering were key aspects of the new control equipment.

Specific process areas were identified as requiring ESD (Emergency Shutdown) protection. High reliability and availability were key features of the system to maintain fiscal and emissions reporting and avoid costly interruptions to the production process.

Balfour Beatty were main contractors for the CHP Plant

System Description

Serck Control and Safety (SCS) provided a comprehensive DCS (Distributed Control System) for the CHP, Solid State Emergency Shutdown System for Key Plant, Ethernet and Serial Communications

I/O was in excess of 1000 points covering :

- Existing Steam Boilers
- Gas & Steam Turbines
- Fuel Oil and Gas Systems
- Water Treatment System

Six HMIs (Operator Workstations) were provided, four in the Control Room and two remote within the Boiler House

Why Serck

- High Reliability and Availability
- System Fully Integrated (Safety and Control)
- Competitive
- Comprehensive Diagnostics
- Proven Technology

Customer Benefits

- Limited Process Interruptions
- Low Maintenance Downtime
- Asset Protection
- Controlled Energy Distribution
- Life Cycle Support