

Seabank Power Plc metering System Upgrade

Client:

Seabank Power Plc

Location:

Bristol, UK

Equipment:

Control Panel

Project background

Seabank Power Plc, located in Bristol, UK, operates a highly efficient gas-fired power station. The facility plays a crucial role in supporting the national grid, with a power generation capacity of 1,140 megawatts (MW), providing reliable electricity to meet the needs of both domestic and industrial consumers across the region.

The client upgraded their metering system from the Omni flow computer to ABB FLOW X-C, and from Allen Bradley PLC-5 to Siemens S7-1500R PLC, due to obsolescence and discontinued support from the OEM - This system is dated back to 2001. The outdated systems posed risks to reliability and maintenance.

The upgraded system provides a redundant system operating in duty / hot standby mode, controls valves and manages sequence logic for module crossovers. It communicates data to the MSC and Siemens DCS while providing critical I/O for measurements like pressure, temperature, calorific values, operational status and maintenance controls.

Chosen for our reputation

With over 200 metering control systems supplied so far to the industry, Proserv was chosen because of our system's proven quality and reliability. We had previously completed successful projects for this client and so had a reputation for being flexible and easy to work with.

Control panel scope

- 2 Bay Metering Panel
- 3 x ABB Flow-X flow computers
- Citect SCADA MSC with Web Client
- Siemens S7-1500R with ET200MP extension module

Benefits

- Availability of support from Proserv with expert knowledge of both the old and the new system
- More reliable system with reduced downtime
- Improved ease of maintenance, resulting in long-term cost savings
- Enhanced cybersecurity with state-of-the-art technological design



Control panel with flow computers