

National Power - Little Barford CCGT Power Station



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Background

Little Barford Power Station is a 680MW Combined Cycle (C.C.) Gas Turbine Electricity Generating Station. Two 220MW EGT Frame 9 Gas Turbines are used to drive generators. Exhaust heat from the turbines is used to raise steam to power an additional turbine. The C.C. technology ensures efficient use of fuel.

System Description

Serck Control and Safety (SCS) supplied five large safety systems covering 3 Gas Turbines, 1 Heat Recovery Steam Generator (H.R.S.G.) and 1 Steam Turbine for the plant.

Serck's ESD Modules were used for high reliability and availability. The plant I/O was in excess of 400 points.

SCS provided additional assistance during the commissioning phase of the project.

Why Serck

- High Reliability Availability Safety product
- Competitive
- Proven track record on delivering similar systems to tight timescales
- Ease of integration with Station Control System
- Remote monitoring via serial links available for all sites

Customer Benefits

- Asset Protection
- Highly Automated - minimum manpower
- Proven Technology
- Budget and Delivery aspirations fully met
- Life Cycle Support