



**SECTOR: POWER**

**SIEMENS**

## DCS Upgrade – Scotland’s largest Power Station

### BACKGROUND:

Scotland’s largest Power Station required a full upgrade of its Distributed Control System (DCS).

### PROJECT BRIEF:

DPS Group was tasked with:

- A complete replacement of Steam and Gas Turbine Electrical and Mechanical Protection Systems
- Site wide upgrade of Balance of Plant (BoP) and Heat Recovery Steam Generators (HRSG) Control Systems
- Installing new control room HMI’s and servers

### KEY HIGHLIGHTS

- 14,614 man hours
- Zero time lost to injuries
- 21 day outage
- 144 panels
- 24,000 I/O point connections
- 15,000 meters of cabling

### PROJECT AREAS:



Electrical  
division



Instrument  
division



Control  
panels

### TECHNICAL SOLUTION:

Project planning started back in May 2016.

Having only 21 days of the 90 day outage planned for the installation phase, and with 144 panels requiring replacing/modifying across the site, planning was key to the success of this project.

Pre-installation works started in June ensuring all new network and control cabling many of which was rope access was in place.

All the new control cubicles were sited near to where they were to be installed, many by use of a crane, but as the plant was in full production none could be installed prior to the scheduled outage start date.

Working on a rotating basis, 14,000+ Zero Lost Time Injury (LTI) hours were required to deliver the project.

All Cubicles and Instrumentation was installed by the scheduled date.

We were on-site throughout to support our client with the field commissioning of the new control systems until the plant was handed back over to operations.

The project was handed back to operations on the scheduled date.



# DPS Group - One Integrated Solution - Case Study



## ABOUT DPS GROUP

DPS Group provides a range of integrated solutions across a range of sectors, delivering the highest standards of safety, quality, environmental compliance, and customer service.

We work across seven core sectors, and are trusted to deliver eight different services (see above).



Our customers benefit from the collaboration between our:

- **Systems expertise:** design, engineering and project management
- **Customer services:** electrical, instrumentation and control construction
- **Product strength:** strong brand partnerships and quality product

## GET IN TOUCH

To set up an informal discussion about your project, email us via [info@dp-sgroup.co.uk](mailto:info@dp-sgroup.co.uk) or call 01592 772577.

DPS Group website: [www.dp-sgroup.co.uk](http://www.dp-sgroup.co.uk)



We operate a socially responsible business, providing employment opportunities for young people, and supporting the community we serve via our DPS Local Heroes programme.



Find out more online at [localheroes.dp-sgroup.co.uk](http://localheroes.dp-sgroup.co.uk) or visit @DPSLocalHeroes on Twitter.



DPS House, Lomond Business Park, Baltimore Road, Glenrothes, KY6 2PJ. 01592 772577.