

## Dale Power Solutions provide standby power to BP Aurora



### Background

Dale Power Solutions successfully completed a contract for Wood Group to supply secure power systems to the Aurora Project at the BP Sullom Voe Oil Terminal in the Shetlands.

The Sullom Voe Oil Terminal has been operating for more than 30 years and, on current forecasts, may operate for a further 20.

A review of alternatives to upgrading the existing gas plant was undertaken by the partners, culminating an upgrade resulting in the replacement of a large proportion of the gas processing plant, this development became known as Project Aurora.

### The Challenge

Uninterruptible Power Supplies (UPS) were required for an electrical substation and control room as part of Project Aurora where the UPS system provides a high quality source of continuous power for essential loads associated with the gas processing plant.

### The solution

The UPS equipment included Dual Redundant 20kVA 'UP7000' 110V AC UPS and Dual Redundant 200A '6CV' 24V DC UPS backing up controls and instrumentation while an additional 10A 'DCV' 110V DC UPS was provided to support switchgear tripping and closing loads in the substation.



6CV DC UPS

***“The windows were tight as the trip in the Switch Room module on the first shipment while the remaining UPS systems had to meet second shipping with the Control Room module. We worked closely with our client keeping them fully aware of progress through regular reports.”***

Frank Ponsonby, Business Development Manager at DPS

## CASE STUDY

Dale's UP7000 uses on-line industrial UPS technology with fully rated rectifiers and static switches and a range of configured options to meet BP's exacting requirements.

Our established 6CV and DCV range of industrial three phase and single phase input DC systems are based on industry-proven thyristor controlled rectifier technology.

As all equipment had to be designed for a service life in excess of 20 years, maintainability was highly important. Maintenance and repair of all systems can all be effectively accomplished with front-only access.

Meeting critical delivery dates was an important part of the contract. The equipment provided by Dale, if delivered late, could have significantly impacted on the project as a whole.

Dale's scope included the design and manufacture followed by supervision of installation and testing at the nominated module fabrication yard in Leicestershire then site testing and commissioning at BP Sullom Voe. Witnessed factory acceptance testing took place at the company's Scarborough premises.

**Dale Power Solutions is a worldwide manufacturer and service provider of Generators and Uninterruptible Power Supplies. For more information on our industry leading products and services, visit our [website](http://www.dalepowersolutions.com).**



*The Sullom Voe Oil Terminal*



Dale Power Solutions Ltd  
Salter Road,  
Eastfield Industrial Estate,  
Scarborough,  
North Yorkshire,  
YO11 3DU

Tel: +44 (0)1723 583511  
Email: [info@dalepowersolutions.com](mailto:info@dalepowersolutions.com)