

Case Study CS7

Control Panel Upgrade



Length of relationship:

14 years - ongoing

Location(s):

RAF Akrotiri



Work undertaken:

Obsolete Dale 8000 generator controllers on base had failed and the client needed to re-instate generator cover with immediate effect. The system consisted of two 1.6MVA Leroy Sommer generators powered by Caterpillar diesel engines. The system generated at 11kV with both sets operating in parallel with each other and the local authority supply.

Within weeks our engineers had designed and installed a bespoke modification to the existing generator control panels with Comap Inteligen NT & Intelimains controllers to control the prime mover, generators, synchronising and VCB control.

Further to this the G59 protection for the site was to be upgraded; the relay used for this task was a Areva P341 relay. The Areva P341 relay replaced the existing protection and was used for its logical functions along with its protection functions.

Successes:

Two weeks after the beginning of the installation, the system was fully operational with all functional testing complete. Testing in conjunction with the local electricity supplier was undertaken to certify the loss of main protection (G59). The site now has a fully operational up to date generator control system providing resilience for many years to come without the need for technically trained generator personnel to frequently fault find and adjust load sharing and synchronisation parameters.

We can offer you even more ...



We may not know what power generation services you would like but we do know we have already developed a solution for your application.

We would be pleased to send you more details on any of the products listed below. Simply photocopy this page with your information requests marked and send to the fax number at the foot of this page nearest your location.

Don't forget to put your own details so we can respond.

- Diesel Generators
- Switch Gear Services
- Generator Hire
- Generator Maintenance
- Switch Gear Protection
- Training
- Installation

Contact name

Company name

Street

Town / Postcode

Telephone

Fax

CS-07-1211



We would like an on site consultation
Please contact us on the above telephone number to arrange a mutually convenient appointment.

Head Office:

St Michaels Road
St Helens
Merseyside
WA9 4WZ

Tel: +44 (0) 01744 814444
Fax: +44 (0) 01744 814455
Email: sales@burtonwoodgroup.com

Frome Office:

Unit 4, Southgate
Commerce Park
Frome
Somerset
BA11 2RY

Tel: +44 (0) 1373 469679
Fax: +44 (0) 1373 471685

Contact name

Position

The Power of Experience