

DEFENCE : CASE STUDY 5

Electrical Installation

SWALEC Contracting was awarded a contract to upgrade the electrical infrastructure at a Barracks near Haverfordwest in Pembrokeshire as part of its ongoing maintenance programme.

The existing distribution system had been in place for 25 years and comprised a main substation, 13 remote substations and a standby generation set, which was inoperable. SWALEC Contracting undertook the replacement and rationalisation of the existing 11kV electrical infrastructure and associated cabling, new package substations and new separate LV distribution pillars, where these were not included within the packaged substations.

Systems installed in the £777K contract included :

- 11kv main switch panel
- 11kv/433v packaged substations
- 400v distribution feeder pillars
- Electrical infrastructure cabling
- Provision of system earthing and grading study
- New electrical metering
- Associated civil and structural works
- Testing and commissioning

SWALEC Contracting acted as Main Contractor and Principal Contractor under CDM Regulations. A planned programme of shutdowns was necessary to achieve the changeovers of all the site buildings to the new electrical system. During the contract numerous additional works were undertaken to modernise all other elements of the infrastructure.

SWALEC Contracting is a division of SEC, Building Services Awards Major M&E Contractor of the Year (2004 and 2005), and Electrical Industry Awards M&E Contractor of the Year (2005).

SEC is part of the Scottish and Southern Energy Group and is committed to delivering projects on time, on budget and SAFELY.

For further information please contact us on:-

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Quality and Safety

SEC is ISO9001:2000 Accredited and all Engineering Managers are IOSH (Institution of Occupational Safety and Health) qualified; evidence of our commitment to quality and safety.

- Fully Trained and Competent Staff
- Regular On-Site Safety Audits
- Daily Risk Assessment
- Use of Full Range of Personal Protective Equipment (PPE)
- Liaison with Client's Staff Affected by Work Activities
- Hazards and Risks Controlled at Worksite