

EDUCATION : CASE STUDY 6

Electrical Infrastructure Upgrade

SWALEC Contracting was awarded a contract to upgrade electrical capacity and the replacement of High and Low Voltage electrical equipment for a University in South Wales. In addition to the replacement of obsolete electrical equipment, the upgrade was designed to cater for future developments at the site.

The University is a campus site accommodating over 3000 students. The works involved general building, civil and electrical installations. SWALEC Contracting acted as the Main Contractor and also undertook the role of Principal Contractor under the CDM Regulations.

Systems installed by SWALEC Contracting during the £220,000 project included:

- Replacement transformers
- New low voltage Switchpanels
- Power Factor Correction
- Low Voltage and High Voltage mains cables
- Earthing arrangement
- New cable ducts and cable containment
- Lighting and Emergency Lighting
- Small Power
- Fire Alarms
- General wiring installation

Several shutdown periods were required to remove the old switchpanels and complete the required changeovers of supplies onto the new low voltage ones. The works required the formation of a new HV and LV switchroom to be constructed from a store room and also the extension of the existing transformer compound to accommodate the additional transformer installed.

SWALEC Contracting is committed to delivering projects on time, on budget and SAFELY.

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), and is part of the Scottish and Southern Energy Group.

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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