

MANUFACTURING : CASE STUDY 1

Major Electrical Installation

One of the UK's market leaders in the manufacture of mouldings for PVCU windows systems and doors awarded Southern Electric Contracting a £1.2 million contract for the design and electrical fit out of a new 260,000sq² headquarters and production complex in Gloucestershire. With a turnover in excess of £40 million p.a. the company originally traded from three locations in the UK and wanted to centralise all its operational facilities into one purpose built facility.

The contract involved the installation of:

- Four 11kV substations
- Production Power
- Lighting
- Data Communications
- Fire & Intruder Alarm Systems
- Chemical Storage Shelter
- Emergency Lighting for Warehouse & Production Areas

One challenging aspect of the project was the installation of luminaire light fittings in the storage area. The new building allows stock to be stored as high as 15 metres into the eaves using the latest technology in high-bay racking. However this increased the likelihood of light fittings being damaged by high-lift forklift trucks. To overcome this problem, SEC fitted the luminaries in the web space of the main support RSJ roof structure.

Safety was paramount throughout the project, but became particularly important towards the end, as the warehouse area was operational before work had been completed. This meant the SEC team were working in and around the additional hazards posed by production equipment.

Despite these challenges, SEC completed the contract on schedule and subsequently was successful in winning a further contract to maintain the building's electrical systems.

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

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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