

HV Transformer Replacement

Rapid replacement of a failed 1MW transformer at the British Geological Survey headquarters, ensuring continuity of operations and restoring secure power supply within days.

BRITISH GEOLOGICAL SURVEY | ENERGY | NOTTINGHAM

Our Customer's Challenge

The British Geological Survey experienced a critical transformer leak at its Nottingham headquarters, threatening power continuity across the site. Immediate temporary generation was required to maintain operations. The client needed a trusted engineering partner to deliver urgent support, manage risk, and provide a permanent replacement solution. They expected rapid mobilisation, technical authority, and a seamless transition from emergency power to a long-term fix.

The Quartzelec Solution

Quartzelec responded within hours, isolating the failed transformer and supervising the installation of emergency generators to stabilise supply. A detailed proposal for replacement was delivered within 36 hours, demonstrating customer focus and technical expertise. The client selected a new transformer option, and Quartzelec coordinated civil works, removal of the faulty unit, and installation of the replacement. LV tails were replaced, HV cable jointed, and commissioning completed by midday Sunday. The project was executed right first time, minimising downtime and ensuring operational resilience. Quartzelec's ability to mobilise rapidly, manage contractors, and deliver a technically robust solution provided both engineering assurance and commercial efficiency.

Key Benefits

- Rapid mobilisation: Emergency response within hours to stabilise site operations.
- Seamless delivery: New transformer installed and energised within one week.
- Technical assurance: Right first-time installation with full commissioning.
- Operational continuity: Minimal disruption to critical research activities.
- Customer confidence: Professional approach reinforced trust and long-term partnership.

Fast-track
Delivery

Comprehensive
Scope

Customer
Centric
Approach

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