

## Excellence in Electrical Engineering

High Voltage Services ■  
Rotating Machines ■  
Electrical Services ■

Quartzelec is a leading electrical engineering group delivering design, manufacturing, installation and maintenance solutions to customers over a broad range of sectors.

As a Quartzelec customer you'll benefit from a smart, proactive approach, quality which befits the lifecycle of the project and service which meets or exceeds your – and your customers' – expectations.

Underpinned by a pedigree of expertise, experience and innovation earned by us and from the companies from which we have grown – all highly respected names in electrical engineering: GEC, Alstom, ScottishPower, Norweb Contracting and Cegelec to name but a few.

From the integrity of an electrical installation in a hospital to the reliability of a motor rotating for years at 3,000rpm, you can rely on Quartzelec to continue delivering robust, cost-effective services.

To discuss your next project, or find out more about our high voltage services portfolio, please contact:

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QE/HV/OV/004



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An authority in high voltage services

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## High Voltage Services

- Installation ■
- Maintenance ■
- Emergency response ■

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## At the forefront of high voltage services

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Few electrical contractors have the credentials, expertise and certification needed to provide a complete service in the design, installation, inspection and maintenance of high voltage electricity supplies.

Quartzelec is a leading independent electrical contractor with a pedigree inherited from some of the most highly respected regional electricity companies. We provide a unique range of high voltage solutions and services to a diverse range of customers in the utility, industrial and commercial sectors. When it comes to electrical construction, inspection and maintenance of transmission and distribution networks from 415 V to 132 kV, we've earned an envied reputation for providing reliable, cost-effective expertise and making sure customers comply with the latest legislation.

With facilities throughout the UK, Quartzelec has teams of highly qualified engineers, technicians, fitters, project managers and designers strategically located to enable instant deployment wherever it is required, ensuring speedy restoration of supply. Senior Authorised engineers are supported by fitting and jointing teams ensuring complete safety and integrity for switching, isolations and earthing on private networks.

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## At a glance

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- Design, supply and installation, including feasibility studies
- Control and operation of HV and LV networks
- Plant and apparatus refurbishment or replacement
- Cable jointing and underground distribution systems
- Site surveys, fault location and fault level studies
- Inspection, operation and maintenance
- Protection and earthing systems
- Substation construction
- Testing and commissioning
- 24/7 emergency response

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## Our customers

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- Utilities: Water Authorities, Regional Electricity Companies, Telecommunications
- Industry: Automotive, Petrochemical, Manufacturing, Aviation
- Commercial: National Retailers, Logistics, Health Authorities, Education Sector



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*"We have an unbeatable pedigree in high voltage services, working only to the highest standards of quality, integrity and health and safety".*

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**Daniel Laval - Managing Director**

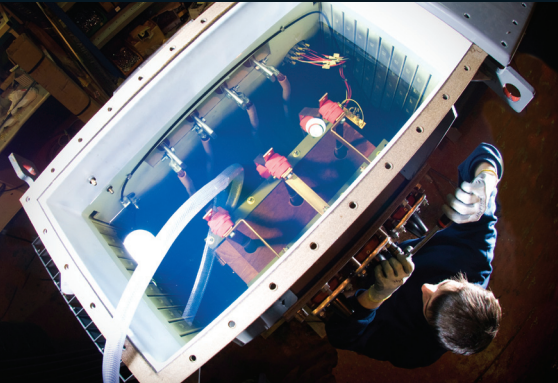
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## Our services

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### Installation

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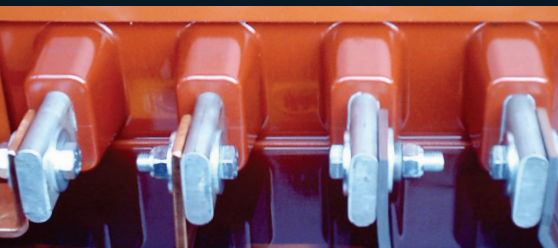


Our full service covers design (including feasibility studies), erection, testing and commissioning, both for new installations and refurbishments up to and including 132kV. This also applies to switchgear and transformers as well as all ancillary equipment through to complete substations. We also support major underground cabling schemes up to 33kV incorporating excavation, cable laying, reinstatement and jointing. All with full project management and financial control.

Our expertise in the field of high voltage distribution networks also extends to the systems and equipment employed to protect them, providing complete reassurance of safety and integrity.

### Maintenance

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Because all high voltage networks must be inspected and maintained on a regular basis, we operate maintenance contracts to suit individual requirements with the objective of total safety, efficiency and reliability. Our services include; plant and apparatus asset management, system management and system performance with our straightforward maintenance packages naturally incorporating the provision of dedicated 24/7 support.

### Emergency response

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Quartzelec's structure, processes, size and resource planning mean that we can provide unparalleled response to emergencies, whether relating to supply or health and safety. Our 'control-operate-maintain' schemes provide 24-hour emergency cover, with our teams mobilising instantly wherever the problem. They have all the necessary manpower and equipment to ensure speedy restoration of supply.

### Quality assurance

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Our quality management system is accredited by Lloyds to ISO 9001 : 2008. As a conscientious contractor, we have in place our own rigorous HV safety rules ensuring we work to the strictest safe practice codes. You can be assured then that Quartzelec will help you to keep your plant and apparatus safe and comply with the Health and Safety at Work Act 1974, the Management of Health and Safety at Work Regulations 1999 and the Electricity at Work Regulations 1989.