



Quartzelec in Action

The Rail Industry

Quartzelec delivers engineered electrical solutions across the rail sector, supporting both infrastructure and asset performance within a highly regulated environment. Our teams bring the technical expertise and operational understanding needed to respond to the ongoing demands placed on rail systems, where reliability, compliance and performance are critical.

We support projects from initial concept and design through to installation, commissioning and ongoing maintenance. Our capabilities cover high and low voltage systems, power distribution, rotating electrical equipment, and overhaul and refurbishment activities, ensuring critical assets remain safe, reliable and fit for service.

Our approach is centred on engineering integrity, safety and collaboration, allowing us to work effectively alongside network operators, maintainers and project teams across a wide range of rail environments.

Key Benefits:

- | Clear accountability across all stages of project delivery
- | Reliable, compliant solutions aligned to rail industry standards
- | Focus on asset performance and service life extension
- | Combined electrical and mechanical engineering expertise
- | Proven delivery within complex rail environments

#UnparalleledinEngineeringServices

Quartzelec can provide you with

Technical services supporting the performance and reliability of rail assets and infrastructure, delivered in line with RISQS requirements.

Asset Overhaul and Repair Services

TRACTION MOTORS

Overhaul, rewind and refurbishment to restore performance, improve reliability and extend service life.

HVAC FANS

Repair, balancing and rewind of fan units to reduce vibration, improve stability and maintain system performance.

AUXILIARY GENERATORS

Overhaul and engineering upgrades to support increased load demands and maintain consistent onboard power.

MAIN GENERATORS

Rewind and refurbishment to maintain electrical integrity, improve efficiency and reduce in service failure risk.

Infrastructure Services

HV & LV ELECTRICAL SYSTEMS

Installation, maintenance and upgrade of power systems across rail environments.

SUBSTATIONS & SWITCHGEAR

High voltage equipment, protection systems and associated infrastructure works.

CABLING & DISTRIBUTION

Cable routes, containment, termination and power distribution networks.

DNO CONNECTIONS

Accredited capability for electrical network connection and integration.

SHORE SUPPLY SYSTEMS

Full turnkey design, supply and HV/LV installation.



Key Contact Information

To request a quotation or further information please contact

Hamilton

10 Montrose Lane, Hamilton,
Scotland, ML3 0FF
+44 (0)1698 492000
hamilton@quartzelec.com

Sheffield

Caxton Way, Dinnington,
Sheffield, S25 3QE
+44 (0)1909 565939
sheffield@quartzelec.com



#UnparalleledinEngineeringServices

T: +44 (0)1788 512512 | E: info@quartzelec.com | www.quartzelec.com