

HV Maintenance Asset Management Solutions

Quartzelec partner with the University of Salford to deliver compliant, safe and efficient 6.6kV network maintenance, 24/7 support, inspections and long-term planning for campus expansion and decarbonisation.

UNIVERSITY OF SALFORD | EDUCATION | MANCHESTER, UK

Our Customer's Challenge

The University of Salford needed a specialist HV partner to ensure its 6.6kV network was fully compliant with the Electricity at Work Regulations, safely maintained, and capable of supporting current operations and future campus growth. Their complex infrastructure, comprising 11 substations, varied switchgear types, and ageing assets, required expert inspections, statutory compliance measures, and a structured preventative-maintenance regime. To address these challenges, the University contacted Quartzelec for their expertise, guidance, and 24/7 support in managing and improving the HV network.

The Quartzelec Solution

Quartzelec delivered a comprehensive HV solution for the University of Salford, covering 11 substations, including a large Main Intake Substation with GenieEvo Primary Switchgear supplying the campus HV ring. The network also included a mix of GenieEvo and Ringmaster RMU switchgear, along with fluid-filled and air transformers.

The initial phase involved detailed substation inspections, ensuring statutory compliance under the Electricity at Work Regulations. All required signage, posters, and operational locks were applied, oil samples collected, vegetation cleared from transformer compounds, and detailed inspection reports with expert recommendations were provided.

A full preventative maintenance regime has now been established across the HV network, including sequential shutdowns across the HV ring. Quartzelec will also provide continuous 24/7 support, power and harmonics monitoring, and ongoing strategic guidance, supporting the University in their HV network expansion, campus development, and net-zero targets, forming the foundation of a strong, collaborative partnership.



Key Benefits

- Ensuring ongoing statutory compliance for safe and efficient management of the University's HV network.
- Implementing continuous inspection and preventative maintenance, providing assurance of asset health and operational reliability.
- Collaborating with the University on short- and long-term planning to enhance and expand HV network performance.
- Delivering power and harmonics monitoring, enabling informed investment decisions for net-zero initiatives, including the transition from gas boilers to air-source heat pumps and PV arrays.



We have greatly valued Quartzelec's expertise and support in managing our HV network. Their proactive maintenance, 24/7 support, and strategic guidance have been instrumental in keeping our campus safe, compliant, and prepared for future expansion. - Chris Robinson, University Engineer

Driving
HV Solutions

Seamless
Turnkey
Delivery

Trusted
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