

LV Maintenance Emergency call-out

Quartzelec assists a large North West Hospital back up to full power following failure of an ageing LV Air Circuit Breaker which left power supply on-site at only 60%

NHS TRUST | HEALTHCARE | NORTHWEST, UK

Our Customer's Challenge

A major HV fault had taken out all non-maintained supplies across this hospital site, resulting in emergency generators having to deliver a maximum of 60% of the supply needed. Before the on-site maintenance team could attempt to repair the faulty cables, all LV supplies needed to be isolated to ensure no back feeds would occur. It was only after isolation of the obsolete LV Air Circuit breakers that a problem came to light - the breaker's that had been opened would not re-close. Additional support and expert assistance was urgently required.

The Quartzelec Solution

As an Embedded Contractor for the NHS Trust, we were able to respond immediately to the urgent request. It was clear from investigations that the breakers had not seen maintenance for some time, which would indicate that a systematic clean/check of all switches and contacts should be the first element of any remedial maintenance. After several hours freeing up the internal mechanisms and performing multiple testing scenarios we were confident the problem had been resolved which would allow the HV fault to then be rectified.

As previous maintenance on these LV breakers had been minimal, meaning the current on-site team had little experience and understanding of the established equipment, Quartzelec engineers believed equipment training would prove beneficial and was duly delivered to the NHS Trust team to ensure confidence and competence in the future operation of these LV breakers.

Once HV supplies were back on, we were able to re instate the LV supply, the breakers went in and the supplies could be changed back over to mains supplies with full restoration of site supplies achieved. Checks were made to confirm phase rotation, Loop Impedance and PSCC readings.

Key Benefits

A pre-negotiated contracting support agreement ensured immediate support:

- Speed of response
- Extensive knowledge of LV systems
- Knowledge of client and existing maintenance regimes
- Training of staff to deal with any future problems
- Proven value of having contracted maintenance on LV equipment



In the situation presented to us we were fortunate to have competent embedded Contractors who will go the extra mile for the Hospital and that is appreciated throughout - Head of Maintenance, NHS Trust

< 1 Hour
Response
Time

Embedded
Contractor

Training
on site
provided

QUARTZELEC 

