

4 YEARLY SITE MAJOR MAINTENANCE



4 YEARLY INSPECTIONS AND TESTING OF HV EQUIPMENT

PROJECT OVERVIEW



Power Testing Ltd (PTL) were appointed to carry out the 4 yearly inspection and testing of HV equipment.

Our engineers delivered a comprehensive maintenance and testing programme to ensure the continued reliability, safety and performance of critical assets.

SCOPE OF WORKS

- ✓ Protection Testing
- ✓ Battery Maintenance
- ✓ General Substation Maintenance
- ✓ Oil Insulated Transformer Inspection
- ✓ Air Insulated Transformer Maintenance
- ✓ Gas Circuit Breakers
- ✓ Cable End Box Inspections
- ✓ Ring Main Units
- ✓ LV and Primary Circuits Maintained

THE CHALLENGE



CRITICAL ASSETS

4 yearly inspections and testing of key HV assets at a live operational facility.



COMPLEX COORDINATION

Safe isolation and management of equipment interfaces to allow works to be completed safely.



SAFETY & PLANNING

Extensive planning and safety documentation required to manage risk and minimise disruption to the 24/7 running facility.

PROJECT IMAGE GALLERY



HV EQUIPMENT INSPECTION & MAINTENANCE



PROTECTION TESTING & COMMISSIONING

PTL SOLUTION



SAFETY PLANNING

Bespoke switching schedules and RAMS produced prior to attendance.



ASSET MAINTENANCE

3 transformers, 3 RMUs, 11 relays and 1 GCB maintained and tested.



DNO COORDINATION

DNO procured and managed by PTL operatives to allow works to be carried out safely.



DOCUMENTATION

All cable end boxes photographed and reports issued to the client.



ENVIRONMENTAL CONTROL

Oil handling, containment and safe disposal procedures followed.



QUALITY ASSURANCE

All testing completed to industry standards or better.



WORK COMPLETION

Work Completion Form signed with defects, remedial works and recommendations issued.



RESPONSE & SUPPORT

Remedial quotation provided within 5 working days.

PROJECT OUTCOME



- ✓ Ensured that all timescales and deadlines were met
- ✓ Testing all carried out to industry standards or better
- ✓ Safe testing procedures and containment implemented to confirm a safe test area at all times

KEY PROJECT STATISTICS



3

TRANSFORMERS MAINTAINED



3

RMUS MAINTAINED



11

RELAYS TESTED



1

GCB MAINTAINED



4

YEARLY INSPECTION

MAINTENANCE ACHIEVEMENTS

- ✓ Worked closely to minimise operational risks & disruption to the 24/7 running facility
- ✓ Efficient planning involving third parties
- ✓ Ensured that all timescales and deadlines were met
- ✓ Testing all carried out to industry standards or better
- ✓ Safe testing procedures and containment implemented to confirm a safe test area at all times
- ✓ Identification and mitigation of risks
- ✓ DNO liaisons
- ✓ Worked closely to minimise operational risk & disruption to the facility

“Well done on the completion of the recent works, completed on time and your staff were professional throughout.”