



High Voltage Maintenance (HVM)



Course Aim

The aim of this course is to provide delegates with the knowledge and understanding required to carry out inspection and maintenance of high voltage switchgear and associated systems.



Who Should Attend?

This course is aimed at delegates who have experience with the responsibility of the safety and maintenance of the high voltage switchgear. This course is particularly suited to delegates who are in a supervisory or management role. It is particularly suitable for the High Voltage Competent Person and those who may be required to undertake inspection, maintenance and testing of high voltage equipment.



Course Duration

This is a 5 day course.



Certification

Delegates successfully completing the course will receive a City and Guilds certificate highlighting that they have met the assessments.



Further Study

- » AP/SAP High Voltage - MOD Sectors (APHV3)
- » SAP High Voltage - Commercial and Industrial Sectors (APHV4)
- » High Voltage Awareness (HVASM)
- » Authorised Person High Voltage - Operation and Safety (APHVI)
- » High Voltage Technical (HVTa)



Agenda

- Electricity at Work Regulations requirements for maintenance
- Recommendations for keeping electrical switchgear safe in accordance with HSG 230
- High voltage equipment including switchgear and protective devices
- Care and maintenance requirements for oil and non-oil circuit breakers
- Testing of earthing systems
- Maintenance of ancillary equipment
- Condition monitoring techniques
- Post maintenance checks including pressure testing
- Safe working procedures
- Practical exercises on high voltage assets

Hands-on practical training

- OCB maintenance
- Fault finding
- High voltage pressure testing
- Secondary Injection testing for protection devices
- Thermal Imaging
- Partial Damage Testing
- Cable Location and Identification
- Time Domain Reflectometry

Safety / Value / Availability / Support



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