

Introduction to Switchgear and Transformers

Course overview

The knowledge required by non-technical staff working in the power distribution and transmission industry has increased as the profile of productivity has been substantially raised, and safety has remained a major priority in all areas of work. The ability to understand the terminology used, and the application of the main items of electrical plant is, therefore, vital for any member of staff not having previously undertaken formal power industry training.

This one-day course is designed to give delegates with no previous HV/EHV electrical plant training, sufficient knowledge, understanding and awareness of the operation and application of the main types of switchgear and transformers currently in use. The course challenges delegates to not only recognise items of equipment, and visualise them whilst involved in discussions/meetings, but also have a basic understanding of the theory behind how they work.

The course will, therefore, be challenging and intensive, being primarily driven by the ability and willingness of delegates to progress.

Cost: One-day course: £520 + VAT

Location: EA Technology, Capenhurst, Chester, CH1 6ES

Who should attend?

Individuals already working in the power sector in a support role, possible examples being: schedulers, HR staff, supervisors/managers moving, or wishing to move, to a plant related role, procurement staff, Health and Safety operatives.

The course is also applicable to individuals wishing to apply for a role in the power sector (apprenticeships, inspection roles, electricians applying for fitting roles, potential technical trainee applicants etc).

Benefits of attending this course

- The ability to recognise items of equipment plus an understand of where they fit into electricity networks
- Knowledge of the function and criticality of individual categories of plant and equipment
- A 'head start' when applying for a role in the power distribution and transmission industry
- Self-confidence as a manager moving into a plant related role

Substations Courses

Specialist Courses

Cables Courses

Power Networks Courses

Protection Courses

Tailored Programmes



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Course programme

Day one

Terminology

- Initial view of plant to be covered using comparisons with equipment and systems already known to delegates

Simple Electrical Theories

- Reasons for design decisions, simple electrical theory, establishing a sound understanding of basic electrical principles as applied to switchgear and transformers

Electricity Networks

- How the electricity networks in the UK are structured and where they came from

Introduction to Switchgear and Transformers

- We begin the process of looking in greater depth at the types of switchgear and transformers in use on networks from 240volts to 400,000volts

Types of Switchgear and Transformers and their Applications to Networks

- A detailed look at how the equipment discussed fits into the electrical networks, including discussing simple protection systems

Programme may be subject to amendment



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Main reception: +44 (0) 151 339 4181
EA Technology, Capenhurst Technology Park
Capenhurst, Chester, CH1 6ES, United Kingdom