



About our Training

- Specialized training conducted for engineers, technicians and operational staff who are required to work on LV/MV/HV equipment and apparatus within power system networks.
- Training courses ensure that all personnel follow the same regulatory standards, which are documented and supported with written work procedures.
- Theoretical and practical evaluations and assessments of trainees are conducted after each training course.
- Updating and maintaining compliance with safety rules and system operating regulations in accordance with best industry practice.
- Other courses not listed can be developed in order to meet individual customer requirements.

Courses available

Safety Rules & System Operation Regulations: This course reinforces the national government statutory regulations and outlines the employer and employee responsibilities with respect to these regulations as well as standard operating procedures.

Low Voltage System Applications: This course is intended for pre-competent persons and persons who are required to work on low voltage electrical equipment and street lighting systems.





Medium Voltage System Applications: Theoretical and practical training on 11kV distribution networks, covering system operating regulations, including the correct use of test equipment and the safe operating of MV switch gear.

High Voltage Switching Applications: Theoretical and practical training on 66kV networks, covering system operating regulations, including the correct use of test equipment and the safe operating of HV switch gear.



HV System Maintenance: Training to develop a clear understanding of how to differentiate between old, new and more effective maintenance programmes; this includes:

- Unscheduled maintenance – repair of equipment breakdowns.
- Scheduled maintenance – regular periodic maintenance aimed at maximizing equipment reliability and minimizing equipment breakdowns.
- Condition-based maintenance – maintenance of equipment based on current condition as opposed to scheduled time-based maintenance.



Introduction to Power System Protection: An introduction into unit and non-unit protection schemes as well as specific training on common protection relays employed in the power system.

Cable Jointing & Terminations: Trainees are introduced to industry best practices with regard to jointing and terminating various types of MV cables.

Aerial Bundle Conductor: This course covers all aspects of construction and maintenance of low voltage ABC overhead lines and customer service connections.

Contractor Safety Awareness: Contractors are introduced to utility best practice pertaining to Health, Safety and Environment principles as related to work on equipment, mains and apparatus within power stations and substations.

Battery Maintenance: During this course the trainee is instructed on the correct and safe procedures for the maintenance of batteries in power stations and substations.

Use and Care of Measuring Instruments: This training module will provide the trainee with the knowledge and skills to identify, select and use portable and fixed measuring instruments; it also covers maintenance and safekeeping aspects for such instruments.

Pre-Paid Metering Dispenser: This training module covers all aspects of prepaid meters including the theory, installation, commissioning and testing, and replacement of faulty meters.

Cable Identification and Spiking: Candidates are instructed in procedures for positively identifying cables at the work place, including the correct use of cable identification and cable spiking equipment; MV/HV permits to work on cables are also included in this module.



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Scaffolding: Erection and Disassembly: On completion of this course candidates will be able to assemble and disassemble scaffolding in accordance with statutory requirements and best safety practices.

Exothermic Welding: This module covers exothermic welding principles, including selection of the correct equipment and accessories, as well as the correct welding procedures; the use of protective clothing and equipment is also covered.

Health, Safety and Environment in the Workplace: This training covers all Health, Safety and Environment requirements in the workplace; candidates are instructed in the minimum statutory requirements of the Government Gazette Part ii, how to complete a risk assessment form (RAMS) and how to apply and maintain safety in the electrical environment. Identification and mitigation of hazardous conditions is also covered.



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Safe Working on Transmission Towers: Candidates are trained in the safe working practices whilst ascending and descending transmission towers, as well as the correct rescue procedures.

Chainsaw Use and Safety: This course instructs candidates on safety precautions and the correct operation of chainsaws; training also covers procedures for the correct care and maintenance of chainsaws.

Electrical Installation Regulations Code of Practice for Wiring of Premises: Candidates are instructed in the correct wiring installation procedures in compliance with electrical installation regulations.

Safety at Roadworks: This training covers work being undertaken at roadsides, including the correct application of temporary road traffic warning signs.