

Electrical Introduction for Mechanical Technicians

Duration	5 days
Target group	Mechanical personnel seeking basic electrical knowledge, covering AC/DC theory, motors, generators, and LV distribution system
Prerequisites	There are no prerequisites for this course.
Objective	<ul style="list-style-type: none">• Competence and confidence of staff members working with LV Installations.• Employees will feel their employer has made an investment in their future.
Contents	<ul style="list-style-type: none">• Basic electrical theory (AC & DC).• Dangers of electricity and means of safe isolation.• Earthing systems and types of supply.• Transformers & LV distribution.• Motors, starters & control circuits.• Generators & standby supplies.• Circuit configurations & overcurrent protection.• Introduction to inspection & testing.
Exam	The theory of the course is delivered in the classroom, but there is an emphasis on demonstration and hands on practical experience with relevant equipment wherever this is possible.