Advance Electrical Troubleshooting , Repairs and Isolations Techniques Course

Venue Information

Venue: London UK

Place:

Start Date: 2026-10-13

End Date: 2026-10-17

Course Details

Net Fee: £4750.00

Duration: 1 Week

Category ID: EAPET

Course Code: EAPET-1

Syllabus

Course Syllabus

Course Description

This training emphasizes the importance of working safely and of measuring your skills based on time and materials standards to save you and your employer money on troubleshooting projects.

Course Objectives

- Understand the basic principles of typical process sensors
- Acquire troubleshooting skills for 3-phase AC facilities and equipment
- Be able to measure and test electrical parameters
- Be acquainted with mechanical faults associated with process facilities and equipment

Course Outlines

- Review of basic electrical troubleshooting
- Introduction to advanced troubleshooting
- Principles of typical process equipment and facilities

- Pump, Agitator, Heaters
- Motors, Transformers
- Contactors, Overloads

- Instrument testing and measurement of electrical parameters

- Operate the system remotely or locally
- Take voltage, resistance, and current measurements with a multimeter
- Inspect, repair, and replace components

- Principles of input transducers and sensors

- Temperature, Float, & Selector Switches
- Relays, Timers, Pushbuttons
- Solenoid Valves, Fuses, Indicators

- Interpretation of electrical schematic diagrams

- Cross references
- Electrical designators
- Electrical symbols
- Wiring, Terminal Blocks, Wire Connectors