

# Advance Electrical Troubleshooting, Repairs and Isolations Techniques Course

# **Venue Information**

Venue: London UK

Place:

**Start Date:** 2025-10-27 **End Date:** 2025-10-31

# **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**

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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

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• 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

• Principles of input transducers and sensors

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