# Test Equipment and Link Cable Testing Course

## Venue Information

**Venue:** London UK

**Place:**

**Start Date:** 2026-12-08

**End Date:** 2026-12-12

## Course Details

**Net Fee:** £4750.00

**Duration:** 1 Week

**Category ID:** EAPET

**Course Code:** EAPET-62

## Syllabus

### Course Outlines

**Introduction to Electrical Equipment Maintenance, Testing and Troubleshooting**

- Why maintain and test
- Overview of electrical preventive maintenance and testing
- Planning an EPM program
- Overview of testing and troubleshooting methods
- Review of dielectric theory and practice
- Electrical safety, switching practices and precautions

**Introduction**

- Electrical fire emergencies
- Effects of electrical shock

- Direct current voltage testing of insulation
- DC testing methods
- Transformer
- Cable and accessories
- Electrical switchgear and circuit breakers
- Motors and generators
- Evaluation of test data readings
- Precautions when making direct current test

**Alternating Current Voltage Testing Methods**

- Power factor and dissipation factor test methods
- Description of the power factor test equipment
- Basic test connections (test modes) for PF testing
- Safety precautions with PF testing
- PF testing of electrical apparatus insulation

**Maintenance of Electrical Equipment**

- Preventive maintenance of transformer
- Transformer testing
- Maintenance of cables
- Cable failures and their analysis
- Electrical switchgear maintenance and care
- Infrared inspection of electrical equipment
- Motor and generator maintenance
- Testing of motor and generator