

Test Equipment and Link Cable Testing Course

Venue Information

Venue: London UK

Place:

Start Date: 2026-01-20

End Date: 2026-01-24

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