



# Test Equipment and Link Cable Testing

**Course Venue:** United States - New York

**Course Date:** From 18/05/2026 To 22/05/2026

**Course Fees:** 12750 GBP

## 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
- First aid

### **Direct current voltage testing of electrical equipment**

- 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