



London TDM

# Engineering and Technical Skills Training Courses

**Course Venue:** United Arab Emirates - Dubai

**Course Date:** From 17 May 2026 To 21 May 2026

**Course Place:** Downtown Dubai

**Course Fees:** 5,000 USD

## **Introduction**

This 5-day professional course on "Rotating Equipment Operation and Maintenance" is designed to equip participants with comprehensive knowledge and practical skills necessary for the effective management of rotating equipment. The course covers fundamental concepts, operation practices, and preventive maintenance strategies to mitigate risks associated with equipment failure and ensure optimal performance.

- Understand the fundamental principles of rotating equipment.
- Identify common issues and troubleshooting techniques.
- Learn the best practices for operation and maintenance.
- Develop skills in preventive and predictive maintenance methods.
- Promote safety and reliability in rotating equipment operations.

## **Course Outlines**

### **Day 1: Introduction to Rotating Equipment**

- Overview of Rotating Equipment Types and Applications
- Components and Functions of Rotating Equipment
- Basic Terminology and Definitions
- Key Principles of Mechanical Operation
- Understanding Equipment Specifications and Data Sheets

### **Day 2: Operation and Performance Monitoring**

- Operational Techniques for Efficiency
- Performance Monitoring Tools and Techniques
- Data Analysis and Interpretation
- Recognizing and Addressing Operational Challenges
- Optimizing Equipment Performance

### **Day 3: Troubleshooting and Problem Solving**

- Common Failures and Root Cause Analysis
- Troubleshooting Tools and Techniques
- Case Studies and Real-world Scenarios
- Decision-making in Equipment Failure Situations
- Developing Problem-solving Skills

### **Day 4: Maintenance Strategies and Practices**

- Preventive vs. Predictive Maintenance
- Creating and Implementing Maintenance Plans
- Maintenance Tools and Technologies
- Safety and Compliance in Maintenance Activities
- Cost-effective Maintenance Practices

### **Day 5: Safety, Reliability, and Improvement Opportunities**

- Ensuring Safety in Rotating Equipment Operations
- Reliability-focused Maintenance Approaches
- Continuous Improvement and Innovations
- Future Trends in Rotating Equipment Management
- Wrap-up and Course Assessment