



London TDM

Engineering and Technical Skills Training Courses

Course Venue: United Arab Emirates - Dubai

Course Date: From 02 November 2025 To 06 November 2025

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