

# Rotating Equipment Maintenance and Troubleshooting Course

19 – 23 September 2027  
Istanbul (Turkey)

UK Training

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## Rotating Equipment Maintenance and Troubleshooting Course

**Ref:** 321624\_142255 **Date:** 19 – 23 September 2027 **Location:** Istanbul (Turkey) **Fees:** 4900 GBP

### Why This Course

Rotating equipment is at the heart of many industrial operations, and its reliability directly impacts productivity and operational efficiency. This intensive 5-day course equips professionals with advanced skills in maintenance, diagnostics, and troubleshooting to ensure optimal performance and longevity of rotating machinery. Through hands-on exercises, real-world case studies, and expert guidance, participants will gain practical knowledge they can immediately apply to enhance equipment reliability and minimize downtime.

### What You'll Learn and Practice

By attending this program, you will be able to:

- Master advanced diagnostic techniques for rotating equipment.
- Implement preventive and predictive maintenance strategies to extend equipment lifespan.
- Develop troubleshooting skills to quickly identify and resolve common issues.
- Optimize equipment performance and improve operational efficiency.
- Apply best practices to enhance reliability and reduce downtime.

### The Program Flow

#### Day 1: Introduction to Rotating Equipment

- Types and industrial applications of rotating machinery
- Basic principles of operation
- Key components and their functions
- Importance of proper maintenance practices

#### Day 2: Diagnostic Testing Techniques

- Vibration analysis and monitoring
- Thermography and temperature assessment
- Oil analysis and lubrication evaluation
- Performance testing and efficiency evaluation

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A graphic illustration of a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a gold pawn nearby. The background shows concentric circles emanating from behind the king piece.

### **Day 3: Maintenance Strategies and Best Practices**

- Preventive maintenance planning
- Predictive and condition-based maintenance approaches
- Scheduling and documentation of maintenance activities
- Techniques for improving equipment reliability

### **Day 4: Troubleshooting Rotating Equipment**

- Common failure modes and underlying causes
- Systematic troubleshooting approaches
- Root cause analysis methods
- Practical problem-solving and case studies

### **Day 5: Performance Optimization and Advanced Topics**

- Techniques to improve efficiency and reduce energy consumption
- Balancing and alignment procedures
- Bearing and sealing system maintenance
- Strategies to extend equipment life and ensure long-term reliability

## **Individual Impact**

Participants will leave the course with:

- The ability to implement maintenance programs that reduce downtime.
- Skills to quickly diagnose and resolve rotating equipment issues.
- Knowledge to optimize machinery performance and efficiency.
- Expertise to extend the lifespan of critical industrial equipment.

## **Organizational Impact**

Organizations will benefit from:

- Enhanced operational reliability and reduced equipment downtime.
- Improved maintenance planning and resource allocation.
- Increased equipment efficiency and energy savings.
- Strengthened workforce skills in advanced diagnostics and troubleshooting.

A graphic of a chessboard with several pawns. In the foreground, a large gold king piece stands prominently. Behind it, several smaller silver and gold pawns are positioned on the board. The background features concentric circles, suggesting a ripple effect or a strategic move.

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## Training Methodology

- Interactive workshops and hands-on exercises
- Real-world case studies and problem-solving sessions
- Collaborative learning to apply techniques in practical scenarios
- Action planning for implementing maintenance and optimization strategies

## Beyond the Course

By the end of the five days, participants will be fully prepared to:

- Maintain and troubleshoot rotating equipment with confidence and precision.
- Apply diagnostic and preventive strategies to improve performance.
- Minimize operational disruptions and extend equipment lifespan.
- Contribute to a culture of reliability and operational excellence within their organization.

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A decorative graphic at the bottom right of the page shows a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a gold pawn nearby. The board extends into the background with concentric circles radiating from behind the king piece.