

Rotating Equipment Maintenance and Troubleshooting Course

Oil & Gas Engineering
Cape Town (South Africa)
09 - 13 Jun 2025

UK Traininig

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Rotating Equipment Maintenance and Troubleshooting Course

Ref: 321624_142269 **Date:** 09 - 13 Jun 2025 **Location:** Cape Town (South Africa) **Fees:** 3300 Euro

Course Description

This intensive 5-day course provides comprehensive training on maintaining and troubleshooting rotating equipment in industrial settings. Participants will learn advanced diagnostic techniques, preventive maintenance strategies, and effective troubleshooting methods for various types of rotating machinery. The course covers critical components, common failure modes, and performance optimization techniques.

Learning Objectives

- Master diagnostic testing techniques for rotating equipment
- Implement effective maintenance strategies to maximize equipment lifespan
- Develop advanced troubleshooting skills for common rotating equipment issues
- Understand performance optimization and efficiency improvement methods
- Learn best practices for equipment reliability and longevity

Course Modules

Day 1: Introduction to Rotating Equipment

- Types and applications of rotating equipment
- Basic principles of operation
- Common components and their functions
- Importance of proper maintenance

Day 2: Diagnostic Testing Techniques

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

Day 3: Maintenance Strategies and Best Practices

- Preventive maintenance planning
- Predictive maintenance techniques
- Condition-based maintenance approaches
- Maintenance scheduling and documentation

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

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Day 4: Troubleshooting Rotating Equipment

- Common failure modes and their causes
- Systematic troubleshooting approaches
- Root cause analysis techniques
- Case studies and practical problem-solving

Day 5: Performance Optimization and Advanced Topics

- Efficiency improvement techniques
- Balancing and alignment procedures
- Sealing systems and bearing maintenance
- Equipment life extension strategies

Practical Wins for Participants

- Ability to implement effective maintenance programs that reduce downtime
- Skills to quickly diagnose and resolve rotating equipment issues
- Knowledge to optimize equipment performance and energy efficiency
- Expertise to extend the lifespan of critical rotating machinery

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