



External Training Course

Advanced Inspection and Performance Evaluation of Rotating Equipment

From 21 Jan. To 25 Jan. 2024
From 25 Feb. To 29 Feb. 2024
From 28 Apr. To 02 May 2024

Cairo Marriott Hotel & Omar Khayyam Casino, Egypt

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Fees: 4250 \$

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Course Description

This advanced course is tailored for professionals working with rotating equipment in industries such as manufacturing, energy, and maintenance. Participants will gain comprehensive knowledge and hands-on skills in inspecting, assessing, and optimizing the performance of various rotating machinery.

Course Agenda & Outline

In-depth Machinery Inspection:

- Comprehensive overview of inspection methodologies for various rotating equipment.
- Advanced techniques for identifying wear, misalignments, and other common issues.
- Utilization of advanced inspection tools and technologies.

Vibration Analysis:

- Advanced understanding of vibration analysis principles.
- Application of vibration monitoring tools and software.
- Interpretation of vibration data for proactive maintenance.

Lubrication and Wear Analysis:

- Examination of lubrication strategies for different types of rotating equipment.
- Techniques for wear particle analysis and oil condition monitoring.
- Implementation of effective lubrication programs.

Performance Optimization:

- Strategies for optimizing the efficiency and reliability of rotating machinery.
- Balancing techniques for minimizing vibration and extending equipment life.
- Advanced alignment methods for precision in assembly.

Condition Monitoring Systems:

- Introduction to advanced condition monitoring systems.
- Integration of sensors and data analytics for real-time performance evaluation.
- Case studies showcasing successful implementation of monitoring systems.