



*Training Course:
Rotating Equipment Repairing and Overhauling*

*14 - 18 December 2025
In-House*

Training Course: Rotating Equipment Repairing and Overhauling

Training Course code: HE236099 From: 14 - 18 December 2025 Venue: In-House - Training Course Fees: 35000 € Euro

Introduction:

Rotating equipment such as pumps, compressors, turbines, and motors are vital to the continuity of industrial and energy operations. To maximize their lifecycle and minimize unexpected failures, skilled repair and overhaul practices are essential. This training program, designed by Global Horizon Training and Consulting Center, provides in-depth technical knowledge and hands-on insights into the inspection, disassembly, fault diagnosis, repair, reassembly, and testing of rotating equipment.

Objectives:

By the end of the course, participants will be able to:

- Understand the construction and operation of various rotating equipment.
- Apply proper disassembly and inspection procedures.
- Diagnose typical faults and wear patterns in components.
- Perform mechanical repair and reassembly procedures.
- Follow OEM standards and safety practices in overhauling processes.

Course Methodology:

- Interactive technical lectures with detailed component visuals
- Real-life maintenance case studies
- Demonstrations and step-by-step teardown/rebuild examples
- Group exercises focused on fault diagnosis and repair techniques
- Safety reviews and procedural checklists

Organizational Impact:

- Reduced downtime due to proactive repairs and standardized overhaul
- Improved reliability and availability of critical rotating assets
- Enhanced maintenance team skillsets for cost-effective in-house repairs

- Better alignment with OEM recommendations and operational safety standards

Target Audience:

- Mechanical Maintenance Engineers and Technicians
- Rotating Equipment Specialists
- Reliability and Plant Engineers
- Workshop Supervisors and Maintenance Planners
- Asset Integrity and Operations Engineers

Outlines:

Day 1:

Overview of Rotating Equipment and Failure Modes

- Types of rotating machines pumps, turbines, compressors, motors
- Mechanical design and function of key components
- Common wear and failure mechanisms
- Signs of operational stress and performance issues

Day 2:

Disassembly and Inspection Procedures

- Pre-disassembly checks and safety protocols
- Tools and techniques for disassembly
- Visual and dimensional inspection methods
- Evaluating shafts, bearings, seals, impellers, and couplings

Day 3:

Fault Diagnosis and Repair Techniques

- Root cause analysis of mechanical failures
- Bearing damage, seal leakage, unbalance, and misalignment

- On-site vs. workshop repair considerations
- Repair techniques: machining, rebalancing, welding, replacements

Day 4:

Reassembly, Alignment, and Testing

- Cleanliness and assembly best practices
- Precision alignment shaft and coupling alignment
- Torque specifications and fastener safety
- Testing and commissioning vibration check, rotation check, run-in procedures

Day 5:

Overhaul Case Studies and Best Practices

- Structured overhaul planning and documentation
- Case studies from oil & gas, utilities, and heavy industries
- OEM standards, maintenance logs, and failure reports
- Final review, Q&A, and participant action planning

Registration form on the Training Course: Rotating Equipment Repairing and Overhauling

Training Course code: HE236099 From: 14 - 18 December 2025 Venue: In-House - Training Course Fees: 35000 € Euro

Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

Delegate Information

Full Name (Mr / Ms / Dr / Eng):
Position:
Telephone / Mobile:
Personal E-Mail:
Official E-Mail:

Company Information

Company Name:
Address:
City / Country:

Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng):
Position:
Telephone / Mobile:
Personal E-Mail:
Official E-Mail:

Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
- ☐ Please invoice my company

Easy Ways To Register

Telephone:
+201095004484 to
provisionally reserve your
place.

Fax your completed
registration
form to: +20233379764

E-mail to us :
info@gh4t.com
or training@gh4t.com

Complete & return the
booking form with cheque
to: Global Horizon
3 Oudai street, Aldouki,
Giza, Giza Governorate,
Egypt.