

Training
Course

Pumps, Compressors, and Turbines

Course Objectives:

- ✓ Differentiate the various types of pumps, compressors, and turbines
- ✓ Identify elements of construction of rotary equipment
- ✓ Recognize installation and operation best practices
- ✓ Estimate degree of deterioration of equipment
- ✓ Analyze and pinpoint the root cause of failures and malfunctions
- ✓ Apply most efficient techniques in Inspection, Troubleshooting, and Maintenance

Who Should Attend?

Process and mechanical engineers, Product engineers and operation technologists, technical service and maintenance engineers and professionals, Technical professionals responsible for interdisciplinary energy projects.

Course Outlines:

DAY 1:

Centrifugal Pumps

- Overview of types of pumps based on design and application
- World standards and codes related to pumps
- Main elements of construction
- Piping and installation
- Operation, performance, and control
- Common failures and malfunctions
- Inspection, Troubleshooting, and Maintenance

DAY 2:

Positive Displacement Pumps

- Types and main elements of construction
- Common applications
- Piping and installation
- Operation, performance and control
- Common failures and malfunctions
- Inspection, Troubleshooting, and Maintenance

DAY 3:

Positive Displacement Compressors

- Overview of compressor types based on design and application
- World standards and codes related to compressors
- Main elements of construction
- Piping and installation
- Operation, performance, and control
- Common failures and malfunctions
- Inspection, Troubleshooting, and Maintenance

DAY 4:

Centrifugal Compressors

- Common applications
- Types, features, and main elements of construction
- Piping and installation
- Operation, performance and control

- Common failures and malfunctions
- Inspection, Troubleshooting, and Maintenance

DAY 5:

Turbines

- Classification of turbines based on package design and application
- World standards and codes related to turbines
- Main elements of construction
- Piping, ducting, and installation
- Operation, performance, and control
- Common failures and malfunctions
- Inspection, Troubleshooting, and Maintenance

Training Details

Course Duration	5 Days
Pre-Schedule	17 – 21 Feb 2025
Venue	UAE – Dubai – The H Hotel
Training Fees Per Participant	KWD 1250 (One Thousand Two Hundred Fifty)
Course Fees Include	<ul style="list-style-type: none"> • Tuition documentation • Curriculum and Training Handout • Completion Certificates • Lunch Included