

€ TRAINING

Super High Pressure Compressor Trouble
Shooting and Operation



8 - 12 December 2024
Cairo (Egypt)



Super High Pressure Compressor Trouble Shooting and Operation

REF: E1666 DATE: 8 - 12 December 2024 Venue: Cairo (Egypt) - Fee: 4465 Euro

Introduction:

This training program delivers comprehensive instruction on managing and troubleshooting compressors operating at extreme pressures. It equips professionals with the expertise to ensure safe and efficient operation of compressors in demanding industrial environments.

Program Objectives:

At the end of this program, the participants will be able to:

- Safely operate super high-pressure compressors in industrial settings.
- Effectively troubleshoot and diagnose issues with super high-pressure compressor systems.
- Implement appropriate corrective measures to address operational challenges and ensure system reliability.
- Optimize compressor performance and efficiency through proper maintenance and operational techniques.
- Apply best practices for ensuring the safe and efficient operation of super high-pressure compressor systems.

Targeted Audience:

- Engineering Personnel.
- Technical Personnel in Charge of Operations and Maintenance.
- Maintenance and Operation Engineers.
- Supervisors.
- Operators.

Program Outlines:

Unit 1:

Introduction and Basics of Centrifugal Pump:

- Pump Introduction.
- Pumps Operation Procedures.

Unit 2:

Operations, Trouble Shooting & Maintenance of Pumps:

- Pumps Operation Procedures.
- Pump Troubleshooting.
- Failure or Deviation Symptoms.
- Introduction to Compressors.

Unit 3:

Thermodynamics, Compressor Basics & Operations:

- Centrifugal Compressor Configurations and Components.
- Centrifugal Compressor Control.

Unit 4:

Centrifugal Compressor Control, Operations & Troubleshooting:

- Centrifugal Compressor Operation.
- Centrifugal Compressor Troubleshooting.
- Gas Turbine Basics and introduction.
- Core Engine Components.

Unit 5:

Steam Turbines Basics, Components & Operation:

- Air inlet system.
- Combustion chamber.
- Turbine stages and Exhaust.
- Engine support systems.
- Turbine Ancillary components.
- Gas Turbine Operation and follow-up.
- Gas Turbine Troubleshooting.



- Gas Turbine Inspection and Overhaul.