

€ TRAINING

Management of Steam Turbine Technology
and Processes



24 - 28 March 2025
London (UK)



Management of Steam Turbine Technology and Processes

REF: L874 DATE: 24 - 28 March 2025 Venue: London (UK) - Fee: 6375 Euro

Introduction:

This training program provides a comprehensive overview of steam turbine technology, focusing on its core components, auxiliary systems, and operational best practices. Participants will gain essential knowledge to ensure safe and efficient turbine performance, covering industry standards, maintenance, and performance measurement.

Program Objectives:

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

- Understand steam turbine technology, its components, and systems.
- Operate auxiliary systems such as boiler feed pumps and oil systems.
- Apply industry standards for installation, testing, and governing systems.
- Manage operations and preventive maintenance for steam turbines.
- Measure performance and ensure safety through best practices.

Targeted Audience:

- Engineers and technicians involved in steam turbine operation and maintenance.
- Plant managers and supervisors responsible for steam turbine systems.
- Professionals seeking to enhance their understanding of steam turbine technology and management practices.

Program Outlines:

Unit 1:

Steam Turbine Technology Overview:

- Understand the different types of steam turbines and their technology.
- Learn the working principles of steam turbines.
- Identify key turbine components and their functions.
- Explore the role of glands and sealing systems in turbine operation.

- Understand how the condensate system supports turbine efficiency.

Unit 2:

Auxiliary Systems for Steam Turbines:

- Learn the purpose and operation of boiler feed pumps.
- Understand the regenerative feed heating system in turbine efficiency.
- Explore the function and importance of the turbine oil system.
- Review the steam bypass systems for operational flexibility.

Unit 3:

Governing Systems and Industry Standards:

- Study turbine governing systems and their role in control.
- Understand fire resistance requirements in turbine operation.
- Familiarize with industry standards for turbines.
- Address common specification issues in turbine installation.
- Learn key steps for proper installation and testing procedures.

Unit 4:

Operational Management and Maintenance:

- Identify common operational issues in steam turbine management.
- Learn best practices for monitoring turbine performance.
- Understand preventive maintenance and shutdown procedures.
- Explore strategies for effective management of turbine operations.

Unit 5:

Performance Measurement and Safety Practices:

- Learn methods for measuring turbine performance.
- Implement quality assurance practices for reliable operation.



- Understand safety management protocols in turbine systems.
- Apply good management practices in steam turbine operations.
- Follow best industry practices for safety and performance optimization.