

€ TRAINING

Management of Steam Turbine Technology
and Processes





Management of Steam Turbine Technology and Processes

Introduction:

This program is oriented towards the Power & Industrial Plant Professional, it enables a Multi-Discipline Understanding of your Steam Turbines and related process units for their Efficient and Effective Management. At the end of the program, the participant will prepare an action plan to implement the best practices discussed during the program.

Program Objectives:

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

- Explain the operating principles of steam turbines.
- Recognize operating problems.
- Implement a steam turbine troubleshooting monitoring.
- Increase the confidence to operate and supervise the steam plant.
- Explain the importance of the components used in the steam plant.
- Describe the principles of operation and maintenance of the steam plant.
- Understand the concepts such as operation, maintenance, and turbine failures.

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:

- Technology.
- Types/Working principles.

- Turbine Components.
- Glands & Sealing Systems.
- Condensate System.

Unit 2:

Auxiliary Systems for Steam Turbines:

- Boiler Feed Pump.
- Regenerative Feed Heating System.
- Turbine Oil System.
- Steam Bypass Systems.

Unit 3:

Governing Systems and Industry Standards:

- Governing Systems.
- Fire Resistance.
- Industry Standards.
- Specification Issues.
- Installation & Testing.

Unit 4:

Operational Management and Maintenance:

- Operational Issues.
- Monitoring.
- Maintenance- Preventive & Shutdown.
- Management.

Unit 5:



Performance Measurement and Safety Practices:

- Performance Measurement.
- Quality Assurance.
- Safety Management.
- Good Management Practices.
- Best Industry Practices.