

Course Overview:

This course is designed for Engineers and Technicians who are involved in the operation and management of auxiliary boiler system which fundamentally include the feed water analysis and treatment onboard. It provides the essential knowledge and skills necessary to support the various tasks and requirements for safety and efficient operation of all the systems involved in vessel's marine steam plant.

Course Objective:

- Boiler designs and it's components according to vessel's requirements;
- Proper handling and monitoring for safe and efficient plant operations
- Primary boiler components
- Operating pressures and temperatures of cast iron boilers
- Differences between steam boilers and hot water boilers
- Applications for Electric Boilers
- Major perils associated with boilers
- Burner operations and combustion control systems

Course Outline:

- Understand the fundamentals of boiler operations
- Boiler Components
- Types of fuel, combustion and draught
- Auxiliary Equipment
- Instrumentation and Control System
- Properly startup and shutdown boilers
- Trouble Shooting Guides

Who Should Attend:

Mechanical, Operation, Production, and Maintenance Engineers Senior Technicians should benefit from this course. Also Senior Technicians can update and refresh their knowledge by attending this course.

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation