

## Course Overview:

Boiler is one of the most basic and indispensable components of our modern technological society. It is essential to virtually all manufacturing processes and every energy production and supply system.

Boiler systems are financial investments, yet the methods for protecting these investments vary widely. Proper maintenance and operation of boiler systems is important with regard to efficiency and reliability. Without this attention, boilers can be very dangerous.

The purpose of this course is to identify the general types of boiler which are available and to take a look at not only how to go about selecting a particular boiler from a group of boilers but also how to install, test, and maintain the selected boiler.

## Course Objective:

- To carry out routine boiler maintenance.
- To handle boiler operations confidently.
- Common type of makeup water impurities and its affects on boiler system
- Affects of dissolved gases on the boiler corrosion
- The various treatment requirements for the boilers
- Internal water treatment approaches using chemical formulations
- Boiler operation requirements of external and internal treatment equipment
- Safety precautions in handling of water treatment chemicals.

## Course Outline:

- Introduction To Boilers Steam Generator Theory
- Boiler Operations
- Boiler Systems
- Boiler Water Treatment
- Boiler Testing
- Boiler Glossary
- Troubleshooting, Lubrication & Maintenance

## 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:

Eng

## Training Methodology:

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