

Course Overview:

Boilers are hazardous piece of equipment to operate. It is vital that operation engineers and technicians obtain the necessary information about safe preparation, startup, control, operation, trouble shooting and shut down in a proper way. The course provides the responsible personnel with the specific knowledge they need.

Course Objective:

- Concepts of automatic control.
- Working and maintenance of Temperature, Pressure, Flow, Level and other measuring equipment.
- Operation and maintenance of various types of Transmitters, Controllers, Actuators, Valve Positioners and control valves with their characteristics.
- Boilers controllers-Boiler water level controller and Air/Fuel combustion controller.
- Operation and maintenance of the Automatic Controller along with calibration.
- The operation and maintenance aspects of the Programmable Logic Controller.

Course Outline:

Boiler –Fundamentals
Steam Generation
Heat Transfer
Temperature
Heat Classification
Level Switches
Primary Requirements Of A Boiler
Boiler Accessories
Boiler Mountings
Pressure Gauge
Fusible Plug
Steam Stop Valve
Feed Check Valve
Blow Off Cock
Mud And Man Holes
Combustion Control For Boilers
Control And System Operating Philosophy
Combustion Control

Who Should Attend:

All technical categories of personnel who deals with boilers Junior design engineers, boiler inspection engineers, and technicians are typical attendants too.

Training Language:

EN / AR

Training Methodology:

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