

**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, start-up, operation, trouble shooting and shut down in a proper way. The course provides the responsible personnel with the specific knowledge they need.

**Course Objective:**

- Combustion in steam generation and fuel analysis
- Boiler performance and efficiency calculation
- Fossil fuel boiler operation

**Course Outline:**

- Combustion in steam generation and fuel analysisCombustion and types of fuelFuel combustionFuel analysisElement of Combustion
- Boiler performance and efficiency calculationIntroduction to normal operationFactors affecting on efficiencyEfficiency calculation
- Fossil fuel boiler operationLight oil processingheavy oil processingburns and atomizationboiler flame observationpreparation of startupboiler warm-pup
- basic shut down procedures

**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