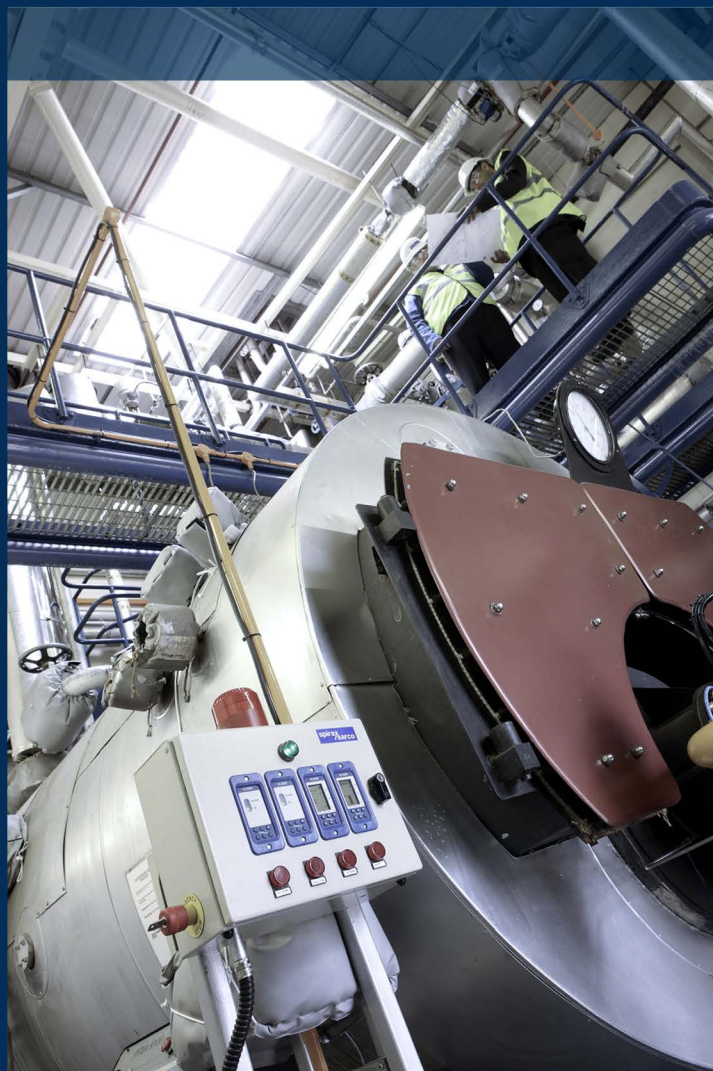


C1

Boiler Room



C2

Steam Loop



C3

Steam Controls



C1

Boiler Room

COURSE OBJECTIVES

- Identify major types of shell boiler.
- Understand the boiler fittings and their use.
- Understand boiler water level control and alarms.
- Understand blowdown controls, vessels and pits.
- Understand how boilers produce steam.
- Know the purpose of safety valves, and the selection of set pressure.
- Understand elements of feedwater treatment, deaeration and storage.
- Metering for Boiler Efficiency.
- Metering Terminology.

C2

Steam Loop

COURSE OBJECTIVES

- Understand the properties of steam and why it is used.
- Calculate the steam demand for different types of steam plant.
- Understand the requirements of steam distribution system.
- Understand the need for different steam traps and their advantages and disadvantages.
- Explain the requirement to remove and recover condensate.
- Why we need tracing and heating medium.
- Different tracer and how to calculate the capacity.
- Classification of tracing.

C3

Steam Controls

COURSE OBJECTIVES

- Understand the need for pressure reduction and the different types available
- Explain the factors affecting control valves
- Size pressure reducing valves, control valves
- Understanding Pressure & Temperature Control
- Steam heat exchanger's control methods
- Understand the different between the types of Heat Exchangers.