

MECHANICAL COURSES

BOILER OPERATION and MAINTENANCE (M9A)

OBJECTIVE:

This course will familiarize the participants with the operation and maintenance of boilers.

WHO SHOULD ATTEND?

This course is suggested for technicians working on the operations and maintenance of boilers.

COURSE CONTENT:

- Fundamentals of Boiler Design and Operation
- Boiler Components
- Fuel and Combustion
- Boiler Plant Operation
- Abnormal Operation
- Boiler Maintenance

PRACTICAL TASKS:

- Video tapes
- Site visit

Duration: 5 Days

Date:	Venue:	Cost:
Jan 10 – 14	Dammam	SR7,000
May 16 – 20	Dammam	SR7,000
Sep 26 – 30	Abha	SR 8,000

CENTRIFUGAL GAS COMPRESSOR (M98A)

OBJECTIVE:

Upon completion of this course the participants will be able to understand theory of compression processes, specification, components function and construction, operations, performance, control and protection of centrifugal compressors.

WHO SHOULD ATTEND?

Process plant personnel, engineers, senior operators and senior technician who involving of operations, maintenance of centrifugal gas compressors.

COURSE CONTENT:

- Compression Process Theory
- Centrifugal Compressor Components
- Rotor-Impeller-Volute/Diffuser Casing
- Balance Drum
- Bearing (Journal-Thrust)
- Gas Flow Path
- Lube Oil and Oil Seal Systems
- Centrifugal Compressor Operating
- Compressor Performance and Efficiency
- Compressor Surge
- Compressor Control and Regulation and Protection
- Troubleshooting

PRACTICAL TASKS:

- Video tapes
- Site visit

Duration: 5 Days

Date:	Venue:	Cost:
Mar 28 – Apr 1	Dammam	SR7,000
Aug 1 – 5	Jubail	SR 8,000
Dec 12 – 16	Dammam	SR7,000