

# MECHANICAL COURSES

## TROUBLESHOOTING TURBINE STEAM PATH DAMAGES (M67AE)

**OBJECTIVE:**

This seminar provides the participants with full information on steam turbines re corrosion , erosion of turbine blades, and main reasons of steam path damages and troubleshooting.

**WHO SHOULD ATTEND?**

This program is recommended for mechanical engineers, supervisors, and technicians who have basic experience about steam turbine and who are involved in troubleshooting the steam path damages.

**COURSE CONTENT:**

- Introduction to steam turbine
- Efficiencies and losses in turbine steam path design construction
- Turbine blading design, function, features and materials of construction
- Steam turbine blade corrosion and erosion
- Steam turbine operation and monitoring causes of steam path damages

**Duration: 5 Days**

| Date:     | Venue:          | Cost:    |
|-----------|-----------------|----------|
| Feb 16-20 | Jubail          | SR7,000  |
| Aug 2-6   | Sharm El-Shaikh | SR 8,000 |
| Nov 22-26 | Qatar           | SR8,000  |

## VALVE OPERATION & MAINTENANCE (M26A)

**OBJECTIVE:**

This course will familiarize participants with the operation and maintenance of various types of valves.

**WHO SHOULD ATTEND?**

The course is suggested for technicians working on the installation and maintenance of piping systems.

**COURSE CONTENT:**

- Common Valve Operation
- Specialized Valve Operation
- Valve Maintenance
- Actuators and Accessories
- Valve Selection

**PRACTICAL TASKS:**

- Assembly and disassembly of gate, globe, ball, plug, safety relief, and check valves

**Duration: 5 Days**

| Date:        | Venue: | Cost:   |
|--------------|--------|---------|
| Jan 12-16    | Dammam | SR6,000 |
| Jun 28-Jul 2 | Dammam | SR6,000 |