

# MECHANICAL COURSES

## GAS TURBINE OPERATION MAINTENANCE (Frame 5&7) (M8B)

**OBJECTIVE:**

This 10 days course will enable participants to gain an understanding of the overall theory and maintenance procedures of GE Frame-5&7 Gas Turbine.

**WHO SHOULD ATTEND?**

The course is aimed at plant engineers and senior technicians with six or more years work experience in a Gas Power Plant environment.

**COURSE CONTENT:**

- Fundamentals of Gas Turbine Design and Operations
- Optimizing Gas Turbine Units
- Gas Turbine Maintenance
- Major Factor Influencing Maintenance and Equipment Life
- Gas Turbine Performance Test Procedures and Calculations
- Gas Turbine Performance Improvement
- Measure Instrument and Control System
- Gas Turbine Operational Procedures and Problems
- Condition Monitoring

**Duration: 10 Days**

Date:	Venue:	Cost:
Apr 18-29	Dammam	SR12,000
Sep 27-Oct 8	Abu Dhabi	SR14,000
Dec 26-Jan 6	Dammam	SR12,000

## GAS TURBINE OPERATION FRAME 7 (M55A)

**OBJECTIVES:**

This Course will enable participant to gain an understanding of GE Frame-7 Gas Turbine Theory, Component and Operation

**WHO SHOULD ATTEND?**

The Course is Aimed at Plant Engineers, Senior Operation And Maintenance Staff.

**COURSE CONTENTS:**

1. Thermodynamic Cycle
2. Optimizing Gas Turbine units
3. Gas Turbine Performance, Heat rate and Efficiency
4. Gas Turbine Components and Systems
5. Gas Turbine Operation Responsibilities
6. Pre Checks
7. Operation Procedures
8. Synchronizing and loading
9. Gas Turbine Shutdown

**Duration: 5 Days**

Date:	Venue:	Cost:
Mar 28-Apr 1	Dammam	SR7,000
Aug 1-5	Abha	SR 8,000
Nov 28-Dec 2	Dammam	SR7,000