



شركة ميرك العربية السعودية
MEIRC Saudi Arabia

Shaft Alignment

Duration 5 Days

Introduction

This course will focus on the Maintenance of Steam Turbines. The course will cover all aspects of Steam Turbine Maintenance including steam turbine systems, component maintenance and repair, assembly and dis-assembly of major items together with Steam turbine theory and operations.

Who Should Attend

This is an essential course for those engineers/technicians involved with Steam Turbines.

Course Objectives

To understand the management of Operations, and the maintenance of a Steam Turbine.

Course Outline

Day 1 - Fundamentals and practical aspects of steam turbine operation

- Introduction
- Steam Properties
- Boiler Operations and Principles
- Basic Thermodynamics of Steam Turbines
- Steam Turbine Types
- Uses of Steam Turbines in Petrochemical Plants
- Steam Turbine Components
 - Rotor Components
 - [Reaction and Impulse Blading](#)
 - Stator Blading
 - Steam Turbine Bearings

Day 2 - Steam Turbine Systems

- Lube Oil Systems
- Sealing Systems
- Governors and Control Systems
- Boiler Operations
 - Drums
 - Feedwater Systems
 - Condensers
 - Boiler Control



Day 3 - Steam Turbine Operations

- Startup/Shutdown Operations
- Control Valve/Stop Valve Operations
- System Operations
- Component Expansion
- Steam Turbine Maintenance
 - Repair and Maintenance of Rotor Components
 - Stripdown/Rebuild Procedures
 - Blade Removal/Replacement

Day 4 - Steam Turbine Maintenance

- System Maintenance
- Repair Procedures

Day 5 - Steam Turbine Troubleshooting

- Methods of Troubleshooting
- Commons Steam Turbine Problems and Solutions
- Case Studies