

# MAINTENANCE PLANNING AND SCHEDULING (REF:OTSMPS001)

## Course Objectives

To gain a detailed understanding of the planning and scheduling of Power Plants.

## Course Description

The main objective of this course is to provide candidates with an in-depth knowledge of scheduling and maintenance procedures. A brief overview will be given of current Maintenance Management software and its uses and applications.

## Who Should Attend

Any staff involved in the Planning and Scheduling of Maintenance outages and shutdowns will find this course particularly beneficial.

## Pre-Requisites

All Attendees should have a sound power generation background.

## Course Outcome

At the end of this course you will be able to plan and schedule the maintenance of a Gas Turbine.

## Day 1

- Maintenance Definitions
- Breakdown Maintenance
- Predictive Maintenance
- Preventative and Scheduled Maintenance
- Predictive Maintenance
- Use of Condition Monitoring
- Determining Maintenance Schedules based on Condition Monitoring
- Preventative Maintenance
- Maintenance Scheduling
- Advantages of Preventative Maintenance

## Day 2

- Maintenance Planning
- Planning Methods for Outages
- Critical Path Method (CPM)
- Practical CPM Applications and Examples
- Maintenance Reporting and Performance Measurement
- Maintenance Reporting
- Indices for Performance Measurement
- The basics of Graphic Presentations

## Day 3

- Maintenance Management (MM) Software
- Uses of MM Software
- Modern MM Systems
- Case Studies
- Examples of appropriate and inappropriate scheduling/planning

## Course Review and Feedback

