



# Gas Turbine Maintenance Course

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## **COURSE CONTENT**

### **Aim**

To introduce operators and maintenance personnel to the routine preventative maintenance procedures to attain high levels of availability and reliability of the gas turbine.

### **Pre-requisites**

Personnel with some working knowledge of Gas Turbine operation and maintenance.

### **Course Duration**

10 days for maintenance personnel.

### **Optimum Number**

The optimum number of the maintenance course is 7.

### **Training Aids**

Video, demonstration Software, Training Manuals.

### **Assessment**

Assessment is carried out on an on-going basis throughout the course and delegates will be given a written examination on completion.

## **COURSE SYLLABUS**

The typical Gas Turbine Systems Maintenance course covers the following topics:

- Gas Turbine Introduction
  - Explanation of how a gas turbine works
  - Introduction to the customer-specific unit
- Gas Turbine-Generator Arrangements
  - Site turbine and accessory base arrangements and enclosures
- Support Systems Operation and Routine Maintenance
  - Inlet and exhaust systems including inlet bleed heat (if applicable)
  - Lube oil system
  - Hydraulic oil system
  - Trip oil system
  - Seal oil system (if applicable)
  - Inlet guide vanes
  - Cooling water system
  - Cooling and sealing air system
  - Fuel system(s)
  - Atomizing air system (if applicable)
  - Water/steam injection (if applicable)
  - Purge air system(s) (if applicable)
  - Starting system, including slow-roll/ cooldown function
  - Heating and ventilation systems
  - Fire protection system

Water wash system as a maintenance tool.

**Dates available on request**