

# ROXBY



Training Solutions

## Introduction to Heavy Duty Gas Turbines

## Course Content

### Introduction

This course is designed specifically for power plant personnel unfamiliar with GE Heavy Duty Gas Turbines. The course will cover gas turbine construction, auxiliary systems and maintenance overview.

### Pre-Requisites

This course is designed for candidates with little experience in power generation but useful for personnel involved in the operation and maintenance of GE Heavy Duty Gas Turbines.

### Course Duration

This course is of 2 days in duration

### Optimum Numbers

Maximum of 6 candidates is recommended.

### Training Aids

PowerPoint Presentation, course notes, hand-outs and discussion.

### Course Syllabus

#### **Introduction to Heavy Duty Gas Turbines:**

#### **Introduction Video (Major Components of the Gas Turbine)**

- The Basic Cycle
- Thermo-Dynamics
- General Observations

#### **Assembly and Construction**

- Turbine Base and Supports
- Compressor Section
- Combustion Section
- Turbine Section
- Accessory Gear Assembly
- Flexible Couplings
- Main Turbine Bearings
- Starting System

**Course Syllabus Continued**

**Operating Systems**

**Auxiliary Systems**

**Course Feedback and Review**