

Workshop on

"Gas Turbine Operation, Maintenance and Troubleshooting" 5-Days Online Program

About Us

We are the training providers and deals in Technical, HSEQ, Management and Soft Skills Training.

We have highly knowledgeable and experienced local & foreign subject matter experts. Our team is highly focused and provides the best support as per your requirements and needs.

We provide a platform from where you can add value in you teams. We are highly fascinated on the development of your Technical and Management Teams.

We can provide on-site and classroom training.

About Trainer

Mr. Moataz is an Egyptian and our freelance trainer for Pakistan. He is a professional Certified maintenance & monitoring engineer with more than 18 years of on hands experience in maintenance of gas turbines, pressure compressors, turbo expander, rotation of equipment & condition monitoring with a demonstrated working history. Currently he is working with one of the biggest natural gas company in Egypt as their Section Head – Reliability. He is also highly experienced in Turbines' Boroscopy and maintenance.

He has participated in various training sessions like Gas Turbine Familiarization (GE USA), Boroscope for Gas Turbines (GE USA), OJT GE Frame 7 (USA), OJT GE Frame 9 and 6 (Turkey), OJT GE Frame 9 (Tunis, Qatar, Algeria), Vibration Analysis – III Certification (Australia), Machinery Lubrication (Noria) and etc. He is highly skilled at designing training and technical content, training both technical and non-technical staff with an effective imparting knowledge and devise training exercises for all types of learners.

He has Master's Degree in Mechanical Engineering from Alexandria University and he is also associated with Mobius Institute as their Instructor. He has more than 1200 hours training hours & he is multilingual. He has an investigative, analysis and explorative skills that keep him an active learner and encourages to polish his skills.

Course Summary

This course will focus on using of Gas Turbines in the Power Generation, Petrochemical and oil & gas Industries. It is mandatory in order to drive the heavy rotating equipment's such generators, compressors and pumps. The development, in particular, of Combined Cycle and Combined Heat and Power applications has accelerated the use of Industrial Gas Turbines.

This course will cover the design, operation and maintenance of the various types of Gas Turbine and Gas Turbine applications. Describing each component and function for gas turbine describing working mechanisms and principles of operation the common trouble shooting and how to fix it .

Learning Outcomes

After the workshop, you will be able to:

- Familiarization of gas turbine
- Familiarization with Compressor function and components
- Familiarization with combustion system and its different components
- Familiarization with turbine components and its function
- Gas turbine trouble shooting
- Gas turbine Auxiliary systems
- Maintenance and overhaul common practice

Training Content:

Day # 01

Introduction
Types Of Gas Turbines
Gas Turbine Applications
Heavy Duty Gas Turbines
Aero-Derivative Gas Turbines

Day # 02

Simple & Combined Cycle
Major Components Of Gas Turbines
Compressor Designer
Compressor Washing Technique

Day # 03

Combustion Components
Combustion Types
Environmental Control For Combustion
Retrofitting Environmental Control System

Day # 04

Hot Gas Path Components
Repair Techniques & Materials
Gas Turbines Systems

Day # 05

Fuel Systems
Supply Systems
Bearings
Control Systems

The
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