Gas Turbine Technology: Design, Operation, Control, Troubleshooting & Maintenance

TM118

Course Overview:

This course enables engineers, supervisors, and operation and maintenance personnel to safely operate gas turbines. Also, the course introduces the routine maintenance procedures of the turbine support systems required to attain high levels of availability and reliability from the gas turbine. This course develops a background in gas turbine operation that enables participants to analyze operating problems properly and take the necessary corrective action.

Course Objective:

The course is intended to supply the participants with the principal of gas turbine operation. Also, to train them in monitoring the behavior of the gas turbine in general and practice the maintenance procedures that will help them in enhancing its performance. The course will be also directed to the tools and the trouble shooting techniques obeyed so as to help them to reach the full understanding of the operation of each system components.

Course Outline:

-Gas Turbine System Basic
-Gas Turbine Operation Principles
-Application Gas Turbine
-Turbine Shaft Configurations
-Increasing Gas Turbine Efficiency
-Basics Of Operation
-Components Of Gas Turbine
-Gas Turbine Maintenance
-Turbine System Protection

Who Should Attend:

Mechanical & electrical engineers and qualified technicians should benefit from this course. Also practicing power engineers who work in generation plant should (Gas Turbine) update and refresh their knowledge by attending this course.

Training Language:

EN / AR

Training Methodology:

-Presentation & Slides
-Audio Visual Aids
-Interactive Discussion
-Participatory Exercise
-Action Learning
-Class Activities
-Case Studies
-Workshops
-Simulation