

Gas Turbines

Duration

1day 5Hours

No. of Attendees

Max. 25 Attendees

Language

Arabic, English



Overview

This course covers the technical background and engineering principles for gas turbine engines and their applications. Topics of special importance to the successful operation of gas turbine are introduced, including the lube oil system, fuel system, exhaust system and elements of condition control, monitoring, troubleshooting, maintenance and overhaul.

Topics

- Description of the gas turbine and principle of operation.
- Gas turbine applications.
- The advantages and disadvantages of the gas turbine.
- Gas turbine main components description and its types (air comp. – turbine combustors - air intake - exhaust duct - seals – igniters - package - air bleed valve - IGV - fuel nozzles)
- Lube oil system functional description
- Fuel system functional description
- Start system functional description
- Air /exhaust system description
- NOx system description
- Speed control
- Gas turbine maintenance
- Start up sequence