

Generator Operation and Maintenance

Duration

7days 35Hours

No. of Attendees

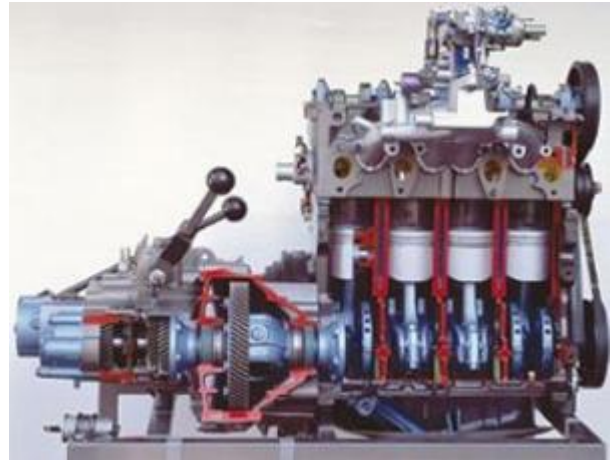
Max. 25 Attendees

Language

Arabic, English

Overview

The course covers generator's theory of operation, principles and system components. Topics including rectification, connection and regulation are also covered. The alternator construction and maintenance, together with the charging system are discussed in details.



Topics

- Theory of Operation
 - Charging System
 - Alternator Principles
 - Alternating Current
 - Alternator Components
 - Rectification
 - Phase winding connections
 - Rotor Circuit
 - Voltage Regulation
 - System Operating Voltage
 - High voltage Charging Systems
- Alternator Construction
 - Rotor
 - Stator
 - Alternator and Frames
 - Slip ring & brush Assembly
 - Rectifier Assembly
 - Alternator Cooling fan
- Charging Check and Generator Maintenance
 - Checking a Charging System
 - Removing and replacing an Alternator
 - Inspecting and adjusting an engine drive belt
 - Belt tensioners and replacing engine drive belt