

# Power system analysis and protection

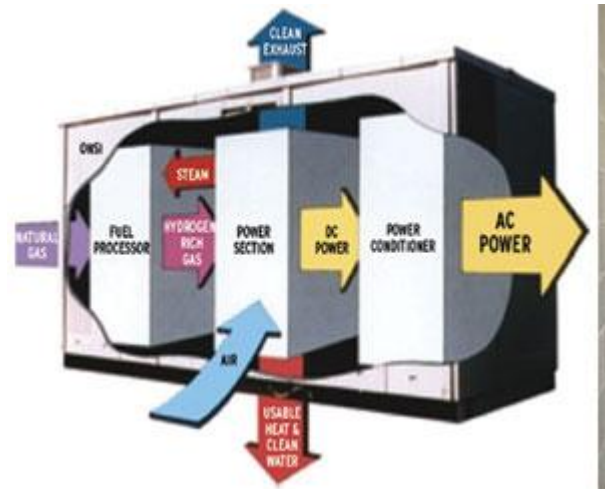
## Z MEC-23

### Duration

Three days 18 Hours

### Who should attend?

- Maintenance engineers
- Plant engineers
- supervisors and
- inspectors



### Language

Arabic , English

### Overview

The main course goal is to provide participant with a complete overview of interconnected power system operation. At the completion of the course participant should be able develop appropriate models for an interconnected power system, and know how to perform power flow, economic dispatch and short circuit analysis

### Topics

- Introduction about power system
- Distribution methods
- Characteristics of medium voltage and switchgear
- Power and distribution transformer
- Power cables
- Measurement transformer C.T @ P.T
- Protection relays of medium voltage types/testing/connection
- Low voltage fuses and C.B
- how make coordination between L.V and M.V protect
- devices
- short circuit calculations
- Earthing systems