



## Electrical Power Substation Layout, Design & Construction

Date	Venues	(\$Fees	Book your seat
04 Feb -08 Feb 2024	Cairo	2900	<a href="#">Register Now</a>

### Course Overview:

- This course is aimed at introducing the power-substation layout and design to utility and industrial engineers. The course will cover substation layout, design, grounding and protection. The course will be supported by practical design examples.

### Course Objective:

- To improve the skills of engineers involved in design, operation and maintenance of electric power substation. A degree in electrical engineering is recommended to gain maximum benefit from the course

### Who Should Attend?

- Engineers involved in design, operation and maintenance of power substations. A degree in electrical engineering is recommended to gain maximum benefit.

### Course Outline:

- Introduction
- Power Systems
- Substations Componets
- H.V Substations Up To 220 Kv
- Transformers
- Reactors
- Regulators
- Outgoing And Incoming Overhead Lines
- Substation Grounding
- Zones Of Protection
- Circuit Breakers
- Reclosers, Sectionalizers And Fuses
- Lightning Protection

### Training Methodology:

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

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