

## Testing, Maintenance & Operation of Electrical Substations

Date		(\$)Fees	
18 August -22 August 2024	CAIRO	3200	<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.

### **who should attend?**

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

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### **Course Outlines:**

- Introduction
  - Power Systems
- Substations of Voltages 230 kV and Above
- Substation Busbars
- Substations of Voltages up to 220 kV

**-Transformer, Reactors and Regulators Transformers**

**-Reactors**

**-Regulators**

**-Outgoing and Incoming Overhead Lines**

-Tower Selection

- **Substation Grounding**

-Zones of Protection

**-Circuit Breakers**

**-Reclosers, Sectionalizers and Fuses**

- **Lightning Protection**



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