

Testing, Maintenance & Operation of Electrical Substations

Date

22 December -26
December 2024

Kuala Lumpur

(\$)Fees

3500

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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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