

Substation maintenance



OBJECTIVE

- Analyse the fundamental aspects of substations maintenance from a global perspective and practical application.
- Learn about new practices and trends in asset management.



AUDIENCE

Engineers and technicians involved in the design, operation, maintenance and operation of electrical substations within transmission and distribution networks as well as in industrial systems.



CONTENT

Substations: General concepts

- Why substations
- Types of substations
- Electrical configurations
- Standards and regulations

Substation design: Basics

- Insulation coordination
- Earthing design
- Busbars design and calculations

Primary systems

- Physical layouts
- Disconnectors
- Circuit breakers
- Transformers
- MV switchgear
- GIS substations

Secondary Systems

- Principles of instrument transformers
- Protection & control
- SCADA and communications
- Auxiliary services

Maintenance

- Maintenance models and definitions
- Description of maintenance activities
- Failure risk and life cycle analysis
- SCADA systems

LIVE ONLINE TRAINING

Duration: 24 hours

More information and registration here:

<https://bit.ly/HitachiGridAcademy>