

Maintenance and Protection of Transformer Z ELC-09

Duration

Five days 25 Hours

Who should attend?

Engineers and highly qualified technicians responsible for transformer operation and maintenance, graduate engineers, electrical supervisors.



Language

Arabic , English

Overview

Power transformers represent the largest portion of capital investment in transmission and distribution substations; the financial consequence of losing a single unit can have a multimillion-dollar impact. By contrast, a failing transformer taken out of service in time can usually be economically reconditioned.

The course provides the participants with the technical knowledge associated with maintaining, and protecting various types of transformers Transformer theory and related topics will be presented as a necessary background for the participants

Topics

- Introduction about all types of transformers
- Function of main parts of transformers
- Connection the coil and vector groups of transformer Transformer operation in parallel Neutral point earthing
- Method of cooling
- Voltage variation by tap changing
- Metal oil as insulation
- Protection of transformer
- All types of testing
- Transformer losses