Commissioning and Diagnostics of Power Transformers

3.0 days | **English** | **Cptr06en**

After an introduction of selective measurements to perform on power transformers, you will develop your skills through theoretical and practical sessions performing conventional and diagnostic tests with CPC 100 or TESTRANO along with the CP TD1. Furthermore, you will learn how to perform reliable Sweep Frequency Response Analysis (SFRA) measurements to detect winding deformation with FRANEO 800 and to use DIRANA to perform dielectric response measurements and determine the moisture content in oil-paper insulated power transformers.

Objectives

- Overview of the structure of the power transformer, core, insulation, windings, bushings and the tap-changer
- Analysis of the condition of power transformers to fully exploit the lifetime of your asset
- Carry out time-optimized tests and diagnostics in our workshop
- Preparing and performing SFRA measurements on power transformers
- Using DIRANA to measure the dielectric response on power transformers and determine the moisture content
- Applying the Primary Test Manager (PTM) software as support tool for the entire measurement process

Content

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Solutions

CPC 100
CP TD1
CP SB1
TESTRANO 600
FRANEO 800
DIRANA
Primary Test Manager (PTM)

Audience

Technical staff from utilities or companies working mainly in commissioning or maintenance testing of power transformers.

Prerequisites

Basic knowledge of Power Transformers