



Online Course: Time-optimized instrument transformer diagnostics with CT Analyzer & VOTANO 100

 1 day

 English

 oCitr05en

Learn how to assess the performance of instrument transformers utilizing CT Analyzer and VOTANO 100. Get familiar with various measurement approaches, effective report generation, instrument transformer class assessment according to international standards as well as special application examples.

Objectives

- ▶ Perform commissioning, troubleshooting and periodic tests of CTs & VTs in time optimized manner for shortest possible outage times
- ▶ Fast, simple and safe instrument transformer testing according to the relevant international standards (IEC and IEEE)
- ▶ Test and verify the fulfillment of the CT/VTs' specifications as well as the class accuracy and CT/VT ratio
- ▶ Perform automated result assessment of CT & VTs with values defined in selected IEEE, ANSI, or IEC standards
- ▶ Generate automated test reports with CTA Suite and VOTANO Suite

Content

- ▶ Typical IT failure sources vs. testing and corrective measures
- ▶ Types, design and construction of different CTs and VTs
- ▶ Comparison of conventional (CPC 100) vs. model-based testing of CTs (with CT Analyzer) and VTs (with VOTANO 100)
- ▶ Relevant definitions in standards for testing and assessment of CTs and VTs
- ▶ Performing time-efficient instrument transformer tests with CTA Suite and VOTANO Suite
- ▶ Evaluation of the CT and VT measurement results by means of practical examples

Solutions

CT Analyzer
CTA Suite
VOTANO 100 + VBO2
VOTANO Suite

Audience

Technical staff involved in instrument transformer testing in utilities, transmission, distribution and generation networks, railway grids, service companies and manufacturers.

Prerequisites

Knowledge of electrical engineering