



# Online-Course: Time-optimized voltage transformer diagnostics with VOTANO 100

 2.5h session

 English

 oCitr03en

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

## Objectives

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

## Content

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

## Solutions

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