

## Partial Discharge Testing & Assessment – Basics on highly sensitive detection of HV insulation problems

**Solutions:** MPD-Family

**Summary:** Become familiar with the basic principles of partial discharge testing using the MPD system. Learn to set-up and measure according to IEC 60270 in hands-on sessions on special training equipment. Be introduced to the interpretation of the test results.

**Prerequisites:** Knowledge of electrical engineering

**Duration:** 2 days

**Language:** English

**Code:** C.0171.BBA



### Objectives

- > Measuring partial discharges on high voltage devices with the MPD according to IEC 60270
- > Monitoring the quality of the production process by performing measurements on assembled parts
- > Performing measurements to determine the insulation condition and identify fault types and fault location



### Content

- > Getting to know the MPD system
- > Understanding how partial discharges are measured
- > Connecting the MPD to high voltage devices, such as power transformers, generators, motors, cables
- > Getting to know the software of the MPD for efficient measurements
- > Performing partial discharge tests according to IEC 60270 and the IEC standard of the test object
- > Performing real partial discharge measurements in hands-on sessions
- > Getting to know PRPD, Q(V), trend analysis
- > Interpreting partial discharge test results
- > Handling interferences



### Solutions

- > MPD 600 and accessories



### Audience

Technical staff from electric utilities, railway and service companies as well as manufacturers to be involved in partial discharge testing

