

INWAVE PRESENTS:

PARTIAL DISCHARGE ASSESSMENT

(Measurement, Data Analysis & Interpretation)

ABOUT THE TRAINING

This intensive program provides both theoretical and practical knowledge on Partial Discharge (PD) in medium and high voltage electrical assets.

Participants will learn the physical principles, measurement techniques, data analysis, and interpretation of results, with hands-on practice on cables, switchgear, transformers, and rotating machines.





Key Learning Outcomes

- Understand the phenomenon of partial discharge and its causes
 - Master online and offline PD measurement techniques
 - Select the right sensors and acquisition units for each asset
 - Perform PD data analysis and interpretation for different equipment
 - Assess asset condition and decide on the correct follow-up action
 - Gain competency in PD measurement and assessment
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Course Highlights

- Fundamentals of partial discharge: definition, classification, and graphical representation (PRPD)
- Types of sensors, detectors, and measurement circuits
- Online and offline PD testing procedures for cables, switchgear, transformers, and rotating machines
- Principles of PD data analysis, case studies, and practical exercises
- Comparison of online vs offline techniques and how to select the right approach
- Independent insights applicable to all PD technologies



Who Should Attend

- Electrical engineers and maintenance engineers
- Asset and project managers
- Technicians involved in commissioning and condition assessment testing
- Companies outsourcing PD testing, to better evaluate reports and contractors
- Professionals in utilities, transmission & distribution, oil & gas, industrial facilities with critical MV/HV assets (motors, generators, transformers, switchgear, cables)

Certification & Assessment

At the end of the course, participants will complete a competency assessment.

Successful candidates will receive a Competency Certificate covering:

- PD measurement principles
- PD Pre-localization
- Detection techniques
- Asset condition assessment strategies.

For More Information
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