



PARTIAL DISCHARGE TRAINING



Partial discharges (PD) are small electrical sparks that occur as the stator winding insulation deteriorates. By measuring PD, one can plan when to do maintenance or when to rewind a stator.

Objectives :

- ◆ To understand the basic of stator winding insulation system and why they deteriorate
- ◆ To understand basic PD theory
- ◆ To understand how PD detection devices work
- ◆ To interpret the test data collected and relate the data to specific failure mechanisms, to enable you to plan maintenance

PESERTA

All Maintenance Professionals, Engineers, Consultants, Manufacturers

AGENDA

1. Partial Discharge Theory
 - ◆ Partial Discharge as a symptom
 - ◆ Partial Discharge or Corona

2. Partial Discharge Detection
 - ◆ Void Formation
 - ◆ Electrical Discharge
 - ◆ On-line and off-line testing
 - ◆ Partial Discharge Sensor
 - ◆ Noise cancellation
3. Motor and Generator Stator Windings
 - ◆ Stator winding design
 - ◆ Coil manufacturing process
 - ◆ Failure Mechanisms
4. Interpreting Test Result
 - ◆ Data presentation
 - ◆ Trend analysis
 - ◆ Polarity Predominance
 - ◆ Load Effect
 - ◆ Temperature Effect
 - ◆ Humidity Effect
 - ◆ Non-classic Partial Discharge Pulses
 - ◆ Multiple Failure Mechanism
 - ◆ Partial Discharge characteristics of failure mechanisms

FASILITAS

- ◆ Materi Pelatihan
- ◆ Instruktur Berkualitas
- ◆ Sertifikat
- ◆ Souvenir Eksklusif
- ◆ Makan Siang & Kopi/Teh

PENDAFTARAN

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