

Partial Discharge Assessment

- Remote Training Seminar

Learn about the basics of Partial Discharge and how to apply this theory to different electrical assets in an interactive virtual seminar. This 8 hour training is split into four modules over two days, with four hours being presented each day.

Training Outline

The following topics will be covered during this training;

- In depth partial discharge theory
- What to look for in the PD data
- Making the right follow up actions
- Applying PD theory to different assets

Learning Outcomes

The following outcomes will be achieved through completion of this training.

Day One: Partial discharge theory:

- Knowledge of the partial discharge phenomena
- Understanding of PD patterns
- Knowledge of the PD measurement theory and its implication with field measurements

Day Two: Electrical assets partial discharge assessment:

- Capability of selecting the right PD test
- Interpretation of the PD test results
- Basic PD assessment and follow up actions for different assets

To ensure that attendees can ask questions along the way like a face to face training course, we have limited this class to 10 attendees. Attendees are encouraged to ask questions and interact with the presenter and the content as the course is proceeding.

Training dates

Tue 2nd June 10am - 2:30pm AEST
Wed 3rd June 10am - 2:30pm AEST

Meeting room

Online Webex Meeting

Who should participate?

Engineering and maintenance personnel who are involved in condition assessments of electrical assets.

Requirements

This course is limited to 10 attendees to ensure that the course can remain interactive.

Attendees are strongly encouraged to have a webcam and microphone to allow participation in this course

Register for this remote seminar at www.austorque.com



Participation in this course may be eligible for CPD. Please check with your authorising body for full details.



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Training Program Outline

Following is the program for the training;

Tuesday 2nd June

Partial Discharge Theory

Theory Basics

Module 1 Duration: 2 hours

- Definition
- Type of Partial discharge
- Internal Partial discharge process
- PD Pattern explanation and identification

PD Measurement

Module 2 Duration: 2 hours

- Apparent charge measurement
- PD amplitude measurement limitations and its application
- PD measurement circuits
- Type of PD sensors and their characteristics

The 8 hour training course will be split into two four hour sessions held over two days. Attendees can register for the full course or individual days
There will be a half hour break between each module

Wednesday 3rd June

Electrical assets partial discharge assessment

Cables and Switchgear

Module 3 Duration: 2 hours

- Deliverable values and limitations
- On line v Off line PD assessment
- Cable PD assessment:
 - Online/Offline measurements
 - How to analyse the data and pre-locate the PD
 - What to do if a PD phenomenon is detected?
- Switchgear PD assessment:
 - Online/Offline measurements
 - How to analyse the data and pre-locate the PD
 - What to do if a PD phenomenon is detected?

Generators and Transformers

Module 4 Duration: 2 hours

- Generator PD assessment:
 - Online/Offline measurements
 - How to analyse the data
 - What to do if a PD phenomenon is detected?
- Transformer PD assessment:
 - Online/Offline measurements
 - How to analyse the data
 - What to do if PD phenomenon is detected?

Presenter

Luca Garagnani

Principal Technical Authority – Cables & Switchgear

Luca Garagnani holds a master's degree in Electrical Engineering with particular expertise in Partial Discharge Testing. Luca studied under the renowned Prof. Montanari and Prof. Cavallini at Bologna University.

His experience has centred around the measurement and analysis of MV/HV cables, transformers, switchgear and rotating machines throughout Europe, USA, Asia, and the Middle East. During this experience he has also been involved in teaching and tutoring on the theory of partial discharge and measurement techniques.



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Registration - Partial Discharge Assessment - June

To help keep the course as immersive as possible and encourage participation throughout the course, this online course is limited to ten attendees.

To reserve your virtual seat, please return completed form by to training@austorque.com. You will then receive the full registration form to complete payment.

Registrations in this limited class are not finalised until payment is complete

Registration Form

Name		
Job Title		
Company		
Address		
Suburb	Postcode	
Telephone	Mobile	
Email		
Course		
Cost	<input type="checkbox"/> Both days \$495 + GST	<input type="checkbox"/> One Day \$325

Payment Option

<input type="checkbox"/> Purchase Order	PO Number		
<input type="checkbox"/> Credit Card	Credit Card Type	VISA	Mastercard
	Credit Card Number		
	Cardholders Name		
	Cardholders Signature		
	Expiry	CCV	

Cancellation & Withdrawal Policy

Withdrawal received up to two weeks prior to the course will be subjected to a charge of \$100. There will be no refunds two weeks prior to the course. Delegate substitution is permitted prior to course commencing.



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