2-DAY+ COMPREHENSIVE PARTIAL DISCHARGE COURSE BY IRIS POWER EXPERT

26-27 November 2024 ~ Kuala Lumpur, Malaysia

Hosted by FIRM SYNERGY VENTURES SDN BHD

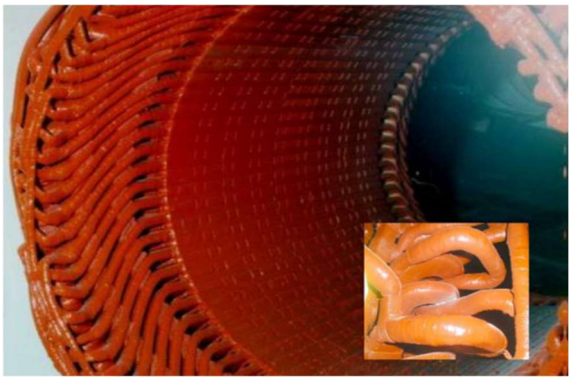
Partial discharges (PD) are small electrical sparks that occur as the stator winding insulation deteriorates. By measuring PD properly, one can plan what to do for maintenance or repairing a stator winding, helping to reduce down time and prevent failure.

Seminar Objectives

- To understand the basics of stator winding insulation systems and why they deteriorate
- To understand basic PD Theory
- To understand how PD measuring devices work
- To interpret the test data collected and relate the data to specific fail- ure mechanisms, to enable you to plan maintenance

Who Should Attend?

The 2-Day course is designed for engineering and maintenance personnel who either purchase, install, test, maintain and/or repair motors and/ or generators. Consultants, manufacturers and repair shop personnel will also benefit from this course. The course is mainly intended for those involved with motors or generators rated 3 kV and above, and who have some knowledge in PD or had some experience with collecting and analyzing PD data. Upon registration for the 2-Day Course, the participant is entitled to attend the 3rd day program F.O.C., where the Instructor will explain on other CBM Technologies to complement PD. On top of that, there will be a PD Clinic session where the participant will be able to share their database or measurement for quick analysis and knowledge sharing purposes.



Instructor

Connor Chan has been with Iris Power LP since 2001, where he is currently Rotating Machines Engineer. Prior to this position, he was Field Service Manager. He received the BSc (Eng) degree in electrical engineering from the University of Hong Kong. Mr. Chan is a member of the Institute of Electrical and Electronics Engineers, the Institution of Engineering and Technology (formerly the Institution of Electrical Engineers, UK), and the Institution of Engineers Australia, and is a Chartered Engineer. He has co-authored a number of conference papers and journal articles.

AGENDA

26 November 2024

9:00 am -5:00 pm

- Condition-based maintenance Concept
- Stator Winding Construction
- Insulation System Components
- Failure Mechanisms

PD Theory

- Capacitive Model
- PD Characteristics
- PD Detection and Sensors
- Separation of Noise and Disturbance

27 November 2024

9:00 am -5:00 pm

PD Data Interpretation

- Data Presentation
- Trend Analysis
- Magnitude Analysis
- Polarity Predominance
- Effect of Operating and Ambient Condition
- Non-classic PD pulses
- PD Characteristics of Failure Mechanisms
- Case Studies

28 November 2024 (Optional)

- CBM Technologies to complement PD Monitoring – Rotor Flux to detect shorted turns, and Endwinding Vibration
- PD Clinic (using attendee's PD data provided in advance)

VENUE:

CROWNE PLAZA KUALA LUMPUR CITY CENTRE (AN IHG HOTEL)

No 22, Menara 8, Jalan Yap Kwan Seng, Kampung Baru, 50450 Kuala Lumpur, Malaysia

Website:
https://www.ihg.com/crowneplaza/hotels/us/en/kuala-lumpur/kulkl/hoteldetail

Map:
https://maps.app.goo.gl/B5KxJuY7LCPYFSn37

See second page for registration form