

## TNB - CIRED - ACEM KNOWLEDGE SHARING



### Speaker Profile

#### Ir. Young Zaidey Yang Ghazali

Ir. Young Zaidey is a Specialist (Transformer Performance & Diagnostic ) at Engineering Services, Asset Management Department, Distribution Network, TNB. He has been working with TNB for 26 years since 1995 and his expertise is in Transformer Design and Construction up to 33 kV. He is a registered professional engineer, holds a Master in Electrical & Electronic Engineering from Tokyo Institute of Technology, Japan and graduated from Loughborough University of Technology, England, UK with a B. Eng. in Electro-Mechanical Power Engineering.

## A review on Transformer Oil Diagnostic Using Dissolve Gas Analysis Technique

Dissolved gas analysis (DGA) of transformers has become the universal practice that gives a powerful insights into the internal condition of the main tank and on-load tap changer of oil-immersed power transformers. Because it detects growing incipient faults, DGA can help prevent failure and further damage. DGA is a sensitive and reliable technique where various interpretation methods have been developed over the years.

This webinar session will present the evolution of DGA technique and various interpretation methods since it was first introduced back in the 1960s for monitoring and advanced warning on growing incipient faults in oil-immersed transformers and on-load tap changers. The webinar will also look into how DGA can further contribute towards advanced asset analytics with the latest development in Internet of Things (IoT) to take us further into the grid of the future.

 2 DECEMBER 2021

 8:50 am - 10:30 am

**BEM 1  
CPD HOUR**



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For inquiries on registration, please contact

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### Key Takeaway

- Participants will understand the importance of DGA techniques for monitoring and advanced warning on growing incipient faults.
- Participants will appreciate the various interpretation methods that have been developed through out the years in order to describe the development of the incipient faults.
- Participants will gain knowledge on offline and online DGA techniques that best suit the need of utilities and industries alike.

