

Online Technical Talk

Life Management of Power Transformer

Synopsis

Transformers are critical assets in substations, playing a vital role in the transmission and distribution of electrical power. They ensure the efficient transfer of electricity from power plants to consumers, maintaining voltage levels and reducing energy losses. Many transformers in service today are ageing, with some having been in operation for several decades. As transformers age, their performance can degrade due to factors such as insulation breakdown, mechanical wear, and thermal stresses.

Thus, in order to manage ageing transformers effectively, it is essential to regularly analyse their condition, assessing the remaining life of a transformer and predicting its future performance.

This seminar will describe the effective of transformer life management for maintaining the reliability and efficiency of electrical power systems. By analyzing the condition of transformers and implementing appropriate maintenance strategies, utilities can optimize the performance and longevity of these critical assets.

About the Speaker

Ir. Dr. Mohd Aizam Talib is a seasoned expert in power transformer technology with over 26 years of experience in research, development, diagnostics, and failure investigation. He holds a Ph.D. in Electrical Engineering from Universiti Teknologi Malaysia, an MSc from Universiti Tenaga Nasional, and a B.Eng (Hons) from the University of Portsmouth. A registered Professional Engineer with the Board of Engineers Malaysia and a certified Quality Assurance Inspector, Dr. Aizam currently leads the Advanced Diagnostic Services Unit at TNB Labs Sdn. Bhd. His contributions span transformer testing, condition assessment, and pioneering research projects, including developing diagnostic techniques and enhancing transformer life expectancy.

Dr. Aizam is also a member of International Council on Large Electric Systems (CIGRE) and has provided consultancy for high-profile transformer incidents across Malaysia..



19 April 2025 (Sat)



10.00am – 12.00pm



BEM CPD Hours: 2

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Speaker:

Ir. Dr. Mohd Aizam Talib



Moderator:

Ir. Dr. Huzein Fahmi bin Hawari

This Talk is organized by Electronic Engineering
Technical Division (eETD)