IEM
The Institution of Engineers, Malaysia

Organised by Electrical Engineering Technical Division (EETD)

WEBINAR TALK ON

VLF TESTING WITH TAN DELTA AND PARTIAL DISCHARGE FOR MV CABLES



SPEAKER:

JURGEN JAKOBER

18 November 2026

4 PM – 6 PM

Registration Fees
IEM Students : Free
IEM Members : RM 15
Non-IEM Members : RM70

BEM Approved CPD: 2
Ref. No.: IEM26/HQ/514/T(w)

SYNOPSIS:

This talk introduces Very Low Frequency (VLF) testing with Tan Delta (TD) and Partial Discharge (PD) measurement as advanced diagnostic techniques for assessing the condition and reliability of medium-voltage (MV) power cables. VLF testing provides an alternative to conventional power-frequency testing, while Tan Delta measurement evaluates the overall insulation condition and detects signs of insulation deterioration, moisture ingress, and ageing. Partial Discharge measurement identifies localized insulation defects that may develop into cable failures. By understanding the principles, testing procedures, and interpretation of results, participants will gain practical knowledge of how these techniques can be applied for cable commissioning, preventive maintenance, and condition-based asset management.

SPEAKER'S PROFILE

Mr. Jürgen Jakober is the Sales Director of b2 electronics GmbH, an Austrian company specialising in high-voltage testing and diagnostic solutions. He has professional experience in the field of high-voltage cable testing, partial discharge (PD) diagnostics, VLF testing and cable condition assessment. He has participated as a technical expert and presenter in international seminars and technical programmes related to high-voltage equipment and cable diagnostics. He has represented b2 electronics in technical presentations and industry events, sharing practical knowledge and experience in the application of modern testing and diagnostic methods for underground power cables.

Graduated in Electrical Engineering from Höhere Technische Lehranstalt Bregenz, Austria in 1985.