



Webinar Talk on

# POWER QUALITY MANAGEMENT – THEORY AND PRACTICAL APPLICATIONS

BEM APPROVED CPD: 2

REF NO: IEM24/HQ/071/T (w)

**ORGANISED BY:**  
**ENGINEERING EDUCATION TECHNICAL DIVISION, IEM**

**SPEAKER:**

**Ir. Ts. Yap Kuan How**

 21 MARCH 2024, THURSDAY

 10.00AM - 12.00NOON



**REGISTRATION FEE**

**IEM STUDENT : FOC**

**IEM MEMBERS: RM15**

**NON IEM MEMBERS: RM70**



## **SYNOPSIS**

Power quality problems are one of the major causes of unscheduled downtime, equipment malfunction, and damage. Reliability and consistency of electricity supply are critical to businesses, from industrial plants, medical facilities, data centers to office buildings. When power quality is imperfect due to disturbances such as interruptions, voltage dips or harmonic pollution, business suffers. It is an area of growing concern for end users due to the frequency of occurrence and financial impact of issues: 30 – 40 percent of all unscheduled downtime today is related to power quality problems.

This session will focus on power quality issues – Harmonics and Voltage Sag. Discover fundamental of power quality, its effect, types of harmonic and voltage sag mitigations, sizing/selection of Active Harmonic Filter and Dynamic Voltage Restorer.

## **SPEAKER'S PROFILE**

**Ir. Ts. Yap Kuan How**, P.Eng. P.Tech. MIEM, PMP started his career as a Project Engineer managing Uninterruptible Power Supply project in year 2013. He was in Tenaga Nasional Berhad (TNB) from year 2014 till year 2020 and worked in various positions from protection engineer to power quality engineer, followed by overhead system engineer. He was actively involved in Power Quality Awareness Talks/Meetings, managing voltage dip testing services program, conducting power quality subject related training for ILSAS, managing TNB's Power Quality Monitoring System and performing power quality diagnosis to solve customers' issues. He was also the team member for TNB VAR Deployment Project, TNB Battery Energy Storage System R&D Project and TNB Dip Free System R&D Project. He is now a Product Application Engineer in Schneider Electric (SE) since year 2020 providing pre-sales support on SE Digital Power Solution covering the energy management and power quality offers.