Organised by Electrical Engineering Technical Division (EETD)

Webinar Talk on Reactive Energy Management – LV Power Factor Correction

SPEAKER:

Mr. Ch'ng Eng Yong,

CEng MEI, CEM, CMVP, PEM

BEM Approved CPD: 2 **Ref. No.: IEM22/HQ/168/T(w)**

THURSDAY, 7TH JULY 2022

10AM - 12.30PM

REGISTRATION FEES

IEM MEMBERS : RM 15.00

IEM NON MEMBERS : RM 70.00

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SYNOPSIS

The poor efficiency of electrical loads can be contributed by the inductive loads where it consumes “Reactive Power” that makes electrical network inefficient and low power factor. The low power factor overloads the power station, reduces the efficiency of the equipments, capacity of transformers, sizes of cables and capacity of switchgears. Traditionally, we use Power Factor Correction (PFC) Capacitors or Synchronous Generators to improve the Power Factor.

In this session, the presenter will focus on LV PFC Capacitor - IEC60831 and IEC61921 recommendation for the Selection, Design and Operation of the PFC Capacitor bank. This session will also explain the factor’s affecting the life of the Capacitor and how Schneider Electric contributes to provide the best PFC Offers to have increased Safety, Reliability and Performance.

SPEAKER'S PROFILE

CH’NG Eng Yong, CEng MEI, CEM, CMVP, PEM extensive 16 years of experience in application of energy efficiency and power quality solutions in diverse industries involving energy/power quality audits, sustainability studies and solutions implementation with measurement and verification. He has also worked with solar photovoltaic systems for 5 years where his expertise covers consultation on concept design, feasibilities studies and master planning to the coordination and project management. He is a registered Electrical Energy Manager with Suruhanjaya Tenaga, one of the founding members of Association of Energy Engineers, Malaysian Chapter, ISO 50001 Lead Auditor with TUV Rheinland, an ISPQ Grid Connected PV installer and trainer of Electrical Energy Management workshop by Schneider Electric.