

WEBINAR TALK ON

INNOVATIONS FOR A DECENTRALISED, RENEWABLE-POWERED SYSTEM: PEER-TO-PEER ELECTRICITY TRADING

BEM APPROVED CPD: 2
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Organised by :
Public Sector Engineers Special Interest Group

SPEAKER : EN. IBRAHIM ARIFFIN

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REGISTRATION FEE (effective from 1st August 2020)

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SYNOPSIS

Peer-to-peer (P2P) energy trading is a platform that allows buying and selling of energy between two or more grid-connected parties. This platform is in line with the third party access (TPA) as identified under MESI 2.0.

A pilot study was done in October 2019 via collaboration between various stakeholders. The objectives of the study are to identify regulatory provisions required, the technical requirements and commercial framework to gauge the financial impact & motivations for participation from the industry. The study is also to identify the challenges and mitigation actions in operationalizing the P2P energy platform.

The webinar is to share the concept of the P2P energy trading in accordance to local market structure, and the key findings of the study.

SPEAKER'S DETAILS

En. Ibrahim Ariffin obtained his Master of Renewable Energy (2019) from the University of Malaya, and Bachelor of Science in Electrical Power Engineering from Rensselaer Polytechnic Institute, United States of America (2008). Upon completion of his undergraduate studies, he served Tenaga Nasional Berhad, the largest electricity utility in Malaysia from 2008 until 2020, primarily as a Senior Grid Planning Engineer. With expertise in power system analysis and prowess in power simulation tools such as PSSE, his previous responsibilities included the formulation of the Annual Transmission Development Plan for Peninsular Malaysia and assessment of the development of cross-border grid connections such as the ASEAN Power Grid.

His previous portfolio comprised of facilitating the integration of renewable energy (RE) projects into the national grid system including the Net Energy Metering (NEM) and Feed-in Tariff (FiT) programmes. He gained exposure to the governance and commercial aspects of Large Scale Solar (LSS) power plants in Malaysia by being involved in the development of technical guidelines to facilitate LSS connection to electricity network, and preparation of Power Purchase Agreements alongside Single Buyer, Grid Owner and Grid System Operator. Engagement with the relevant authorities and providing consultation to project developers to support the execution of RE projects from the preliminary planning phase up to commissioning stage gave him a holistic understanding of the nature of such projects, enabling him to address technical and commercial aspects accordingly.

