



TECHNICAL TALK ON

# "How Smart Inverter Works in the Solar Photovoltaic (PV) System?"

📅 3 NOVEMBER 2022, THURSDAY

🕒 5.30 PM - 7.30 PM

📍 MALAKOFF AUDITORIUM, GROUND FLOOR, WISMA IEM, PJ

CPD : 2.0  
IEM22/HQ/373/T



*Presented by:*

**Mr. Ng Siew Chun**

IEM Students: FOC  
IEM Members: RM15  
Non-IEM Members: RM70

ORGANISED BY:  
ENVIRONMENTAL ENGINEERING TECHNICAL DIVISION (ENETD)

# SYNOPSIS

Renewable energy, especially PV Solar, is gaining a lot of attention and traction in the region due to driving factors like ESG and Paris Agreement. More and more companies in the region are adopting solar PV technologies to reduce their carbon footprint and to be ESG compliant. Being one of the main components of the Solar PV Systems, smart inverter plays a very important role in ensuring the performance, reliability, and safety of the whole system.

In this session, we hope to share with the participants on the development trend of solar PV system and how it could contribute to GHG reduction and the ultimate goal of limiting the global warming to 1.5 degree Celsius, as stated in the Paris Agreement. Also, participants will be provided an insight on the hardware and software components of a smart inverter, as well as the functional principle of each component. In addition, participants will also learn how a smart inverter will be able to provide various dynamic grid support function to ensure grid stability and reliability.

By the end of the course, all participants should have an in-depth understanding on how solar PV inverter works and able to interpret the technical specification of a smart inverter clearly.

# ABOUT SPEAKER

**Mr. Ng Siew Chun** graduated from University of Applied Sciences Heilbronn, Germany in 2011 with a bachelor degree of Mechatronics and Microsystem, majoring in Control and Automation Engineering. He started his professional career with the world-renowned PV solar inverter manufacturer SMA Solar Technology AG in HQ Germany as a software development engineer for central inverter. He was subsequently transferred to SMA's chinese subsidiary in Suzhou, China to assist on the technology transfer to its newly acquired subsidiary.

He has had gather more than 10 years of working experience in various roles in the PV Solar Industry, including in the R&D centre, Product Management centre and is currently the Technical Sales Manager SEA of Goodwe Technologies Co., Ltd. He is also actively providing technical training to fellow professionals in the solar PV industry, both online and offline.