



THE ROLE OF A MECHANICAL ENGINEER AND THEIR CONTRIBUTIONS IN GREENING THE BUILDING INDUSTRY

Organised by Mechanical Engineering Technical Division (METD), IEM

BEM APPROVED CPD HOURS: 2.0
REFERENCE NO. : IEM22/HQ/075/T (w)

9 APRIL 2022
SATURDAY
11:30AM - 1:30PM

Ir. Tony Cheng Yew Leong



Telegram

MyIEM HQ Official - General



Instagram
myiem_official

REGISTRATION FEE:

IEM STUDENT: FOC

IEM Member: RM 15 (Online)

IEM Member: RM 20 (Offline)

Non - IEM Member: RM 70

Register online at www.myiem.org.my

SYNOPSIS

Energy demand (both residential and commercial buildings) is rising around the world because of population growth and increased access to power through rapid urbanisation. These increases significantly impact the environment due to the processing of electricity from fossil fuels in heavy-duty power generation plants. There is a need to carefully examine ways to reduce the greenhouse effect and global warming by eliminating the role of fossil fuels. Therefore, public awareness in energy conservation towards the building industry is vital especially for building owners and engineers. This sharing session will give the audience a glimpse on how a mechanical engineer contributes to sustainable development and sustainability approach in the building industry.

BIODATA OF SPEAKER

Ir. Tony Cheng Yew Leong has more than 20 years of diversified experience in the area of design, construction, Installation, operations and maintenance of large facilities, including hotels, high rise commercial office buildings, mixed developments and industrial facilities. After graduating, he commenced work as Mechanical Engineer in a Consulting Engineer firm where he worked extensively in designing building services and troubleshooting complex systems and equipment.

Later, he expanded his focus towards project management where he attached to PPB Holdings Berhad as a Senior Manager and completed few prestigious projects. In later years, he joined UOA Development Berhad as General Manager overseeing M&E projects more than USD 150 million. His expertise include innovation air-conditioning and ventilation services, energy management / building management system, cold/hot water & sanitary plumbing system, lighting systems, fire protection and vertical transportation.

In his career, he has performed various roles ranging from design engineer, resident engineer, project manager and technical advisor for engineering projects.

Ir. Cheng holds a Bachelor's degree in Mechanical Engineering from Oxford Brookes University in the United Kingdom and a Master's degree in Construction Management from Universiti Teknologi Malaysia. He is a registered professional engineer by Board of Engineer Malaysia, Senior Member of Institution of Engineer Malaysia and a Chartered Engineer with Engineering Council United Kingdom. He is also an ASHRAE Malaysia Chapter Committee Member, Registered Electrical Energy Manager with Energy Commission, MyCREST Qualify Professional by CIDB and specialization in green innovative technologies, energy-efficiency, training and development along with associated, building operations and maintenance.

He is currently the Chief Operating Officer of Bis Way Energy Sdn Bhd, where he manages daily business operations for a growing portfolio of energy management systems with emphasis on smart buildings, optimization of MEP in buildings and Internet of Things technologies.