

# Webinar Talk on “Understanding the Basic Mechanical Service- Air Conditioning and Mechanical Ventilation & Cold Water and Sanitary plumbing System for Healthcare Project in Malaysia”

Organised by:  
Mechanical Engineering Technical Division, IEM

**Date: 15<sup>th</sup> Dec 2022 (Thursday) | Time: 2.00pm to 4.00pm | Venue: ZOOM Virtual Platform**



## **Speaker:**

Ir. Susie Wong has more than 28 years of experience in mechanical building services engineering consultancy services. She has strong technical skills in air conditioning, mechanical ventilation, firefighting, cold water and sanitary plumbing, swimming pool, Building Automation System, Lift, vertical transportation and escalator and industrial mechanical services experiences. Over the years, her consultancy experience has covered a broad spectrum of the industry, including healthcare, industrial project, hotel, commercial mixed development, residential, embassy, and aviation hangar project. She has worked on many iconic projects in Malaysia and Southeast Asia, including Dexcom Pharmaceutical industrial plant, Singapore Embassy, Pavilion Bukit Jalil Mall, Cebu Philippines Convention Centre and mixed development, St Regis Langkawi hotel, Swiss Garden Damai Laut Hotel, Sunway Giza Shopping Mall, Sunway Velocity Residential and office block phase 1A, Mahkamah Tinggi Kuantan and KLCC Lorong Kuda Tunnel project etc.

In Vietnam, she has addressed the massive ventilation requirement for 3800 motorcycle exhaust ventilation in a factory basement parking bay complied to American standard ASHRAE 2019 application. Her experience is enhanced with a Degree in Mechanical Engineering from UPM. At the same time, she is a PEPC Professional Engineer Practicing Consultant under Board of Engineer Malaysia.

Ir. Susie is frequently invited as a speaker organised by universities namely Universiti Kebangsaan Malaysia and International Islamic University Malaya, including IEM's Engineer Talks in the last decade to share her insights on mechanical building services design.

Ir. Dr. Aidil Chee Tahir  
Chairman, Mechanical Engineering Technical Division, IEM

## **REGISTRATION FEES**

**IEM Students: Free**

**IEM Members: RM15 (Online) / RM20 (Offline)**

**Non-IEM Members: RM70**

**BEM Approved CPD/PDP Hours: 2**

**Ref No: IEM22/HQ/474/T (w)**

## **Synopsis:**

Focus on the proper design for air quality consideration will positively impacts health and well-being of the patient, frontline workers, operation and facilities management team. Environmental air pollution due to operation in hospital required risk based quantifiable targets should be established for indoor air quality to reduce contaminated particulate concentration and increase the dilution percentage at the patient wards, treatment rooms and building level.

Assessment and mitigation are not only limited to air quality. Cold water supply and hygienic sanitary system also required to be properly considered to ensure the health of the immune system compromised patient being taken care off. On the other hand, special treatment on the sanitary discharge from operating theatre will ensure there is no negative impact to the environment as well.

This session aims to provide some insight information to understanding both design requirements for healthcare related project.

## **PERSONAL DATA PROTECTION ACT**

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website "at [www.myiem.org.my](http://www.myiem.org.my)" and I agree to IEM's use and processing of my personal data as set out in the said notice.

Follow us:



[myiem\\_official](https://www.instagram.com/myiem_official)



[Myiem HQ Official - General](https://www.telegram.me/myiemHQ)