

Pre AGM Talk on "The impact of Indoor Air Quality for Hospitals for Patients' Care"

Organised by Building Services Technical Division, IEM
BEM Approved CPD/PDP Hours: 2 Hours Ref No: IEM17/HQ/276/T

Date : 12 AUGUST 2017 (Saturday)
Time : 9.00 a.m. – 11.00 a.m.
Venue : Auditorium Tan Sri Prof. Chin Fung Kee,
3rd Floor, Wisma IEM, Petaling Jaya, Selangor
Speaker : Ir. AL-KHAIRI MOHD DAUD

SYNOPSIS

Moulds and fungal growth is a serious problem in hospital and other health care facilities. Managing the moulds colony is part of indoor air quality (IAQ) programme. IAQ encompasses a wide variety of factors: temperature, humidity, quantity, presence of chemicals and other contaminants, and the quality of outdoor air brought inside are typical metrics used to define IAQ. The patients within the facility and the staff caring for those patients are all directly impacted by the quality of air in the building. Being a tropical country, we experience high humidity throughout the year, a key factor for moulds growth. Thus the design of hospital facilities must incorporate IAQ as a component for sustainable development and be part of the goal for overall improvements in building occupant satisfaction and comfort.

The talk attempts to provide relevant guidance to facilitate the management of indoor air quality in hospitals. The talk will address the following:

- Sources, adverse health effects and exposure limits of serious chemical and microbiological indoor air pollutants of considerable concern for hospitals.
- Effective monitoring methods and mitigation measures by means of engineering systems.
- Strategies for the implementation of a hospital indoor air quality management system.
- Case studies from speakers experience

SPEAKER BIODATA

Ir. Al-Khairi Mohd Daud P.Eng, PEM, C Eng, CPSI, MIEM, MMEPA, MMSQH, REEM has nearly 25 years of engineering experience in both project and maintenance of various plants and facilities such as Liquefied Natural Gas (LNG) plants, petrochemical and oleo chemical plants, manufacturing, high end R&D and medical centre facilities. Amongst his accomplishment was the development, testing & commissioning and operation of InventQjaya Sdn Bhd, an advance research facilities in Cyberjaya and Prince Court Medical Centre Sdn Bhd (PCMC) a 300-bed hospital owned by PETRONAS. Due to this experience, Ir Al-Khairi has been appointed as certified surveyor and trainer with Malaysian Society for Quality in Health (MSQH). He has contributed to the drafting of MSQH standard 5th Edition 2016. He is also being appointed to Medical Device Authority (MDA) competencies expert panels, authorized engineer and trainer on Medical Gas Piping System (MGPS). In energy efficiency, Ir Al-Khairi is the country expert for ASEAN Energy Management Accreditation Scheme (AEMAS) where he is the chief assessor and trainer for the program. He is also a Certified Playground Safety Inspector (CPSI) with NRPA, USA.

Ir Al-Khairi is a member with Institute of Asset Management, UK. He is the past Chairman for Oil, Gas & Mining Technical Division and a member of Building Services Technical Division for the Institution of Engineers Malaysia (IEM). He is the Chief Consultant for Faqeh Management, a company that he formed to provide asset, facilities and energy management. He has conducted various facilities and energy audit for airports, offices buildings, healthcare facilities, manufacturing, process plants. He is also involved as data center planner and assessors.

Ir. WONG WIN HENG
Chairman,
Building Services Technical Division (BSTD)

ANNOUNCEMENT TO NOTE

- Non-members may also attend the talk but will need to pay a registration fee of RM50 and an administrative fee of RM15. GST is inclusive.
- Limited seats are available on a "first come first served" basis (maximum 100 participants). To secure your seat, kindly register online at www.myiem.org.my

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal

CPD HOURS CONFIRMATION

Name:

Membership No: