



The Institution of Engineers, Malaysia

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Talk on “ANATOMY OF HOSPITAL OPERATION THEATRES”

(Organized by the Building Services Technical Division, IEM)

BEM Approved CPD/PDP Hours: 2 Ref No: IEM16/HQ/299/T

Date : 3rd August 2016 (Wednesday)

Venue : C&S and TUS Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya

Time : 5.30pm–7.30 PM

Speaker: Ir. Al-Khairi Md Daud

SYNOPSIS

What happened behind operation theatre? General public always put our faith and trust to surgeons and anesthetists hands when we are admitted for surgery in operation theatres. On the other hand, surgeons and anesthetist depends largely on the engineers' performance to ensure that the operation theatres are safe for use and the patient risk especially potential of infection are kept minimal. There have been many cases of incidents and failures in operation theatres but few engineers are aware of the right design and standards for operation theatres. The speaker shall show the anatomy of operation theatres that includes the facilities and biomedical equipment requirements and dissect the design and standard requirements for operation theatres from the basic requirements to the latest design such as the Centre for Image Guided and Minimally Invasive Therapy (CIGMIT) installed in University Malaya Medical Centre (UMMC) where the imaging facilities and operation theatres are put in one section. Operation theatres need to be managed and maintained by competent engineers to ensure the operation theatre is safe to both the patients and staff. The speaker shall share his experience in auditing, designing and constructing operation theatres throughout the country. He shall provide the insights what an engineers need to identify as key requirement for right design operation theatres.

SPEAKER BIODATA:

Ir. Al-Khairi has 20 years of experience in research, cement, oil and gas, petrochemical, oleo chemicals industries and health care facilities. He has gained various experiences in design, construction, testing and commissioning, operate and maintain facilities and plants from various multinational companies both abroad and locally. He has served in various roles as engineers and manager to the plant and facilities. With such a diverse industrial background, Ir. Al-Khairi has formed Fageh Management, an asset and reliability company to improve the equipment reliability and maintenance standard in the industry. The main function of the company is to provide training and consultancy work for the industry. Among the industry that he has provided services are hospital and health care, airports, facilities management organization, printing and palm oil mills. Currently Ir. Al-Khairi is the Advisor of the Oil, Gas and Mining Technical Division and a member of Building Services for the Institution of Engineers Malaysia (IEM). He is a principle interviewer to qualifying engineers for professional interviews as well as a committee member for engineer's log book to ensure mechanical engineers registered with IEM has the correct training to qualify as professional engineers. Ir. Al-Khairi has written articles and delivered numerous talks on maintenance and reliability to IEM fraternity in Maintenance, Healthcare and Green Technology Seminar. Ir. Al-Khairi is also a member of Institute of Asset Management UK, Biomedical Engineering Society of Malaysia and Malaysian Society for Quality in Health (MSQH). He is a surveyor with MSQH checking on the facilities design and maintenance as well as safety and environment aspects of hospitals in Malaysia. Ir. Al-Khairi is a Registered Electrical Energy Manager and has been appointed as the country expert and certified trainer to promote Energy Management Gold Standard under the Asean Energy Management Accreditation Scheme (AEMAS) for the country supporting Greentech Malaysia. To support the energy management practice, Ir Al-Khairi is a member of Malaysian Energy Professional Association (MEPA). Ir Al-Khairi is keen to impart his knowledge to the regions. He is also passionate on energy efficiency and management practice.

Ir. Wong Chu Loong
Chairman
Building Services Technical Division, IEM

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- 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.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- ***IEM members who fail to produce their membership cards will be charged a fee of RM25.00. GST is inclusive.***

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of RM15 is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

PERSONAL DATA PROTECTION ACT

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CPD HOURS CONFIRMATION

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Membership No:

Signature: