



ASHRAE MALAYSIA
CHAPTER



SUPPORTED BY
BUILDING SERVICES TECHNICAL DIVISION
THE INSTITUTION OF ENGINEERS, MALAYSIA

AND
Engineering Services Division
Ministry of Health

BEM Approved
CPD/ PDP Hours: 4
Ref No: IEM08/HQ/284/S

Half-day Seminar on Healthcare Facilities in conjunction with 2008 Annual Dinner

TIME	PARTICULAR	PRESENTER
1:30pm – 2:00pm	Registration	
2:00pm – 2:15pm	Opening by President	Engr. Irin Kang
2:15pm – 3:00pm	Taiwan Experience in Isolation Ward Design and Ambulance Development	Dr. Lin Jian Yuan, Taiwan
3:00pm – 3:15pm	Short Break	
3:15pm – 4:00pm	Retrofitting Experience of A Healthcare Clean Air Facility in Malaysia	Ir. Den Low Han Guan
4:00pm – 4:45pm	Question & Answer	
4:45pm – 5.00pm	Closing	

Dr. Lin Jian Yuan, Taiwan M.ASHRAE

Dr. Lin is a senior researcher and deputy director at Industrial Technology Research Institute (ITRI). He is actively researching in the field of HVAC&R, Heat Pumps, Refrigerant Alternatives, Energy Storage and Thermal Systems Design. Besides, he teaches part time course at local universities such as Chung-Yuan University and NTUT in many subjects.

Dr. Lin has contributed his time in ASHRAE Taiwan Chapter since 1997. He is the Past President of ASHRAE Taiwan Chapter. He is still serving ASHRAE Taiwan Chapter as the Board of Government.

Subjects:**Taiwan Experience in Isolation Ward Design and Ambulance Development**

In the period of February to July, 2003, Taiwan was facing a severe infection out-break of SARS. Before then, there is very little experience about the hospital isolation facilities to control the out-break. This session shares the experience of a group of professional under such an urgent circumstance. To effectively control the outbreak of SARS, Taiwan government decided to centralize the SARS treatment in some designated hospitals. Under the request of the government, Industrial Technology Research Institute (ITRI) took up the mission to renovate 5 military hospitals. The quick renovation for a single purpose hospital have prevented further out-spread of SARS infection in Taiwan. In this presentation, a brief introduction of planning, design criteria, construction, and validation process will be presented. Comparison is also made to explain the different design process. In additions, in order to avoid the infection during the delivery of possible SARS patients, a negative pressure ambulance was retrofitted and developed. In the presentation, the topic of negative pressure ambulance design and developing process will be covered as well.

**Ir. Den Low Han Guan, P.Eng
M.IEM, M.ASHRAE**

Ir Den Low is a Professional Engineer with Bachelor Degree in Mechanical Engineering from University of Malaya. He is the Executive Director IAQ of Technology International Sdn. Bhd., with over 17 years experience in the designing and building of clean environment facilities for the industries of semiconductor, electronic and electrical, pharmaceutical and biotechnology, hospitals and health-care, food and research and development (R&D) laboratories. His Group also manufactures and trades a wide variety of clean environment products and equipments under the brand name of MayAir .

Ir. Den Low has contributed his time in various local and international professional organizations such as The Institution of Engineers, Malaysia and ASHRAE. He is the Past President of ASHRAE Malaysian Chapter. He is now a correspondence member of ASHRAE Technical Committee TC 9.11 which addresses Clean Space in ASHRAE Handbook. Ir Den Low is also serving ASHRAE Region XIII as Regional Vice Chair in Research Promotion.

Subjects:**Retrofitting Experience of A Healthcare Clean Air Facility in Malaysia**

Many clean air environments and facilities in Malaysia do not meet with the requirements of the industries' standards upon handover. This contributes to the delay of the final testing & commissioning, certification and handover of the clean air environment and incurred huge losses in capital, time and resources, sometime even the failure of the entire project.

In this session, a real experience of upgrading and retrofit a healthcare clean air facility experience will be discussed. Started from identify the non-compliance parameters from architecture, mechanical, electrical and process system to the final certification of the environment.

REGISTRATION FORM

To : Malaysia Chapter of ASHRAE
Tel : 603-7847 4460
Fax : 603-7847 4460
E-mail : mashrae.my@gmail.com
Contact Person: Ms. Jessie Chong H/p no. 012 -2861319

NO.	NAME(S)	RECOMMENDED BY	GRADE	FEE (S)

Registration Fee	Per Person
Member (MASHRAE/ IEM)	RM100.00
Non- Member	RM120.00
Annual Dinner Participant	RM 80.00

VENUE : Sime Darby Convention Center
DATE : 7th November, 2008
TIME : REGISTRATION
1.30pm – 2.00pm

Enclosed herewith is a crossed cheque No. _____ for the sum of RM _____ issued in favour of "**Malaysian Chapter of ASHRAE**". (Course fee must be sent with registration form in advance. Delegates may be refused admission if payment is not received prior to the event.)

I/We understand that the fee is not refundable if I/We withdraw after my/our application is/are accepted by MASHRAE but substitution of participants will be allowed. If I/We fail to attend the course, I/We will settle the registration fee in full.

Contact Person : Designation :

Name of Organization :

Address :
.....

Tel: (O) (H/P) (Fax) (E-mail)

.....
Date

.....
Signature