



**PAM**

**PERTUBUHAN AKITEK MALAYSIA**  
**MALAYSIAN INSTITUTE OF ARCHITECTS**  
Northern Chapter

presents

**"GREEN BUILDING INDEX FORUM  
(GBI MALAYSIA)  
MS 1525:2007"**

**Code of Practice on Energy Efficiency and  
Use of Renewable Energy for Non-Residential Buildings**  
(Repeat Session)

by

**En Mohamed Nizar Musa, Ir Looi Hip Peu, Ir Ahmad Izdihar Supaat & Ar Von Kok Leong**

Sponsored by **Nippon Paint (M) Sdn Bhd**



on Saturday, 25 July 2009 (8:30 am – 4:00 pm)

at Sri Perak 1 – 3, Bayview Hotel Georgetown Penang, 25A Farquhar Street, Penang

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### ***Synopsis of Presentation***

Change has come our way as we face up to the challenge of the ever increasing awareness of sustainability and energy efficient designs. When we talk to clients and consultants about it, no longer should we say leave it to the engineers. Instead, Architects must be well acquainted with the subject just as much as the Engineers should be aware of the value of passive design.

The MS 1525:2007 is the Code of Practice for designing energy efficient buildings. It was first published in 2001 by SIRIM. With rising energy costs, it was proposed to introduce the provisions of MS1525 into the UBBL 1984 in 2005. However, it was found to be outdated. SIRIM therefore re-formed a working committee to update the code of practice. The updated version was published in November 2007 and is now awaiting incorporation into the UBBL 1984.

The time has come for Architects to know more about the implications and duties imposed on Architects under this Code of Practice. This presentation serves to inform Architects about the MS1525:2007 and highlight the role of the Architect in incorporation passive design features in order to comply with MS1525. Exercises for computing OTTV and RTTV for buildings will be done. It is worthwhile to note that MS1525 will feature prominently in PAM/ACEM's upcoming Green Building Index rating system for buildings.

MS1525 essentially :

- a. explores the design, construction, operation and maintenance of new and existing buildings to reduce the use of energy without constraining creativity, function and the comfort of the occupants; and yet dealing with cost considerations;
- b. provides the minimum standards for energy efficiency in the design of new buildings, retrofit of existing buildings and methods for determining compliance with these standards;
- c. provides guidance for energy efficiency design that demonstrates good professional judgement to comply with minimum standards; and
- d. encourages the application of renewable energy in new and existing buildings.

*Whereas effort has been made to ensure that the information give herein is accurate, PAM accepts no responsibility for any error, omission or misleading statement in the information and no warranty is given or responsibility is accepted as to the standing of any firm, company or individual mentioned.*

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***SPEAKER'S BIOGRAPHY:***

**En Mohamed Nizar Musa** is an associate at Hijjas Kasturi Associate Sdn (HKAS) with more than nine years experience in designing corporate and institutional buildings. A graduate of Victoria University of Wellington, New Zealand, he has been actively involved in energy efficient and sustainable design, working with industry specialists on projects such as the Financial Services Resource Centre, TNB Tower as well as an upcoming LEED Gold development in KL Sentral. He is presently a member of the PAM Sustainability Committee and part of the Green Building Index development team.

**Ir Looi Hip Peu** is currently the managing director of Mektricon Utara Sdn Bhd (an engineering consulting firm) with 30 years experience in the industry. He has been involved in the design of a wide range of projects; which include small projects (e.g. bungalows), medium and large commercial, residential and industrial projects and infrastructure, townships and mega-size factory complex. Currently Ir H.P. Looi specialises in complete plant process and design. Ir. H.P. Looi is an active member of the engineering community; holding the post of Honorary Secretary (2002 – 2004) and is currently Professional Practice Chairman (2008-2009) of ACEM. He is active in technical committees which include membership in Industry Standard Committee E1, TC10 (wiring installation), TC Lighting, TC 7 (LV Sw. Gr.), TC ExA etc. He was/is also a member of various workgroups on energy efficiency and sustainability as contributing author; (1) WG on power distribution, 2007 edition of MS1525, (2) WG on Lighting and Motor, "E.E. and Conservation Guidelines" published by PTM, (3) WG on CoGen "Thermal Efficiency Guidelines" to be published by PTM. Ir H.P. Looi actively publishes and specialises in the following topics "Wiring Standards", "Professional Practice" and "Energy Systems and Energy Efficiency". He can also be reached at <http://hplooi.blogspot.com>

**Ir Ahmad Izdihar Supaat** (P.Eng.) is an Associate Director of Primetech Engineers Sdn Bhd with over 15 years experience in the Building Services Industry. He has a Mechanical Engineering degree from the Polytechnic University of New York. His project portfolio includes the proposed Energy Commission Head Quarters building (Low Energy) in Putrajaya. He is currently involved in the technical sub-committee of GBI to develop the BEIT software tool.

**Ar Von Kok Leong** is a Director at Arkitek MAA Sdn Bhd. His initial interest in sustainable design started in mid 1990s when he was the design and project architect for a housing development in Melbourne, where the site had to be de-contaminated after many decades of industrial usage, before it was allowed to be used for housing. He is currently the Project Director for a high rise commercial development in KL where it aims to achieve a LEED Gold Rating. Ar Von graduated from the University of Auckland in New Zealand, and has worked in New Zealand, Singapore and Australia. He is presently a member of PAM Sustainability Committee.

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<b>EVENT DETAILS</b>		<b>REGISTRATION</b>	
Date	<b>Saturday, 25 July 2009</b>	Name	_____
Time	<b>8:30 am to 4:00 pm</b>	I am a PAM <i>Corporate / Graduate / Student / Non-PAM member</i>	_____
Venue	<b>Sri Perak 1 – 3 Bayview Hotel Georgetown 25A Farquhar Street, Penang</b>	Membership No: PAM _____ LAM _____	_____
Registration fees		Name of firm	_____
Students	RM 60.00	Address	_____
PAM members	RM 80.00	_____	_____
Non-PAM members	RM160.00	Office No	_____
Closing date for registration	<b>22 July 2009</b>	Fax No	_____
LAM CPD Points are being applied for		Mobile No	_____
		Email	_____

**CONDITIONS:**

- ❖ Registration is based on a first-come-first-served basis together with full payment. Crossed cheques should be payable to - PAM Northern Chapter.
- ❖ Walk-in registrations are not recommended.
- ❖ Participants of the seminar are required to sign-in the attendance list before the commencement time of the seminar. If the participants arrive after the commencement time, participants may not be admitted and are not eligible for CPD points.
- ❖ Participants of the seminar are required to sign-out the attendance list to be eligible to be accredited with CPD point. The sign-out would be at the end of the seminar. If the participants sign-out earlier, participants may not be eligible for CPD points. Those who did not sign-out the attendance list will be considered as not complying with the procedure and are not eligible to be accredited with CPD points.
- ❖ Certificate of Attendance will only be issued on evidence of signing-in and signing-out.
- ❖ Please collect your Certificate of Attendance from PAM Northern Chapter one month after the event.
- ❖ At times, due to unforeseen circumstances, the scheduled event may have to be cancelled or rescheduled. PAM Northern Chapter will inform the registered attendees accordingly. In order to avoid any inconvenience to participants due to any last-minute changes, we strongly recommend calling PAM Northern Chapter for confirmation of the scheduled event.

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