

SUSTAINABLE BUILDING DESIGN & DEVELOPMENT

25 March 2017, 12.45 pm – 5.15 pm
MES Function Hall, Myanmar Engineering Society
Hlaing Universities' Campus, Yangon, Myanmar

Fee MMK 5,000

CPD hrs will be awarded. Will be announced later.

OVERVIEW

2017 and beyond is indeed an exciting time for Myanmar's construction industry with many major upcoming public and private projects and it is of utmost importance that the industry's key stakeholders adopt environmental sustainability as a guiding principle for the delivery of building and construction projects. This technical seminar intends to share the Singapore's experience, and highlights the important issues for consideration in project delivery to achieve sustainability and high performance buildings.

TOPICS

1. Green Building Movement in Myanmar
2. Overview on Singapore Green Building Council & Asia Pacific Network Alliance
3. Singapore's BCA Green Mark Scheme & Environmental Sustainability Legislation
4. Performance-based Fire Engineering : A Practical Approach to Fire Safety Design
5. Energy savings from Air-Conditioning & Mechanical Ventilation (ACMV) systems
6. Designing Sustainable Building – Passive Design Strategies

Jointly Organized By:



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Building and Construction Authority



PROGRAM

Time	Topic	Sharing By
12:45 -1:15 pm	Registration	
1:15 - 1:30 pm	Welcome Address by the president of MES	President, MES
1:30 – 1:45 pm	SGBC and WorldGBC Asia Pacific Network	Mr. <u>TAN</u> Phay Ping, Board Member, Singapore Green Building Council
1:45 – 2:15 pm	Green Building movement in Myanmar	Prof Dr Swe Swe Aye Chairperson, GBC-BEI, Myanmar Engineering Society (MES)
2:15 – 2:45 pm	From 0 to 80 : Singapore's Green Building Experience <ul style="list-style-type: none"> ▪ Why green building? ▪ Singapore's experience ▪ Regional efforts 	Mr. Jeffery <u>NENG</u> , Deputy Group Managing Director, Building and Construction Authority, Singapore (BCA)
2:15 – 3:00 pm	Q & A	
3:00 - 3:30 pm	Tea break cum Networking	
3:30 - 4:00 pm	Performance Based Fire Engineering : A Practical Approach to Fire Safety Design <ul style="list-style-type: none"> ▪ Performance based approach – Why & How ▪ Case Studies 	Mr. Victor <u>HO</u> Director and Principal Engineer, HiLT Fire
4:00 - 4:30pm	Energy savings from ACMV systems <ul style="list-style-type: none"> ▪ Rein in your air-conditioning energy cost and help our environment at the same time. ▪ The benefits of chiller plant performance guarantee and verification – A Singapore perspective ▪ Case studies 	Mr. Steven <u>KANG</u> , Director, Measurement & Verification Pte Ltd (M&V)
4:30 – 5:00 pm	Designing Sustainable Buildings - Passive Design Strategies <ul style="list-style-type: none"> ▪ Achieving energy and environmental efficiency through Passive Design Strategies ▪ Active Design strategies for energy savings ▪ Building performance simulation for design optimisation ▪ Case studies 	Ms Wah Wah Myint Thu, Director, BSD Myanmar
5:00 - 5:15 pm	Q & A	
5:15 pm	END	

Note: The seminar agenda may be subjected to change.

SPEAKERS



Prof. Dr Swe Swe Aye [Ph.D., Arch.(YTU, Research in Germany), Dip.US.1 (ITC, Netherlands), DSPD (RIT); M.Pil., M.Arch. (RIT), B.Arch (RIT)]

1. Retd. Pro-rector (YTU)
2. Chairperson – Green Building Committee (GBC) of Building Engineering Institute (BEI)

Prof. Dr. Swe Swe Aye is currently undertaking the responsibility of the Chairperson of the Green Building Committee (GBC) of Building Engineering Institute (BEI) under MES and also a member of the Committee for Quality Control of High-rise Building Projects (CQHP) in Yangon. She is also a Chairperson of ARBRO (Ayeyarwady River Basin Research Org.). Prof. Swe is a spatial planner and Architect by training who had worked for the Yangon Technological University (YTU) for many years in various capacities including Professor and Pro-rector posts. She has over 30 years of experience in various capacities, worked as university teacher in Yangon and Mandalay, held a number of responsible positions during her 30 years long career. She also worked for the GIS Remote Sensing Center in YTU as Director and was involved in non-structural measures of flood protection. She has been awarded as Fellow of the ASEAN Academy of Engineering and Technology (AAET), and Patron of the association of Myanmar Architects (AMA).



Mr Jeffery NENG Kwei Sung

1. Deputy Group Director, Environmental Sustainability Group, BCA
2. Assistant Managing Director, Built Environment Research and Innovation Institute, BCA
3. Executive Director, Centre for Sustainable Buildings, A Centre Collaborating with UNEP

Jeffery holds two portfolios in Building and Construction Authority (BCA) Singapore as the Deputy Group Director of the Environmental Sustainability Group and the Assistant Managing Director of the Built Environment Research and Innovation Institute. His responsibility is to drive the adoption of green buildings and R&D initiatives through local and international collaborations with key stakeholders. Concurrently, he is also the Executive Director for Centre for Sustainable Building (BCA CSB), a Centre collaborating with UNEP to provide coordinated support to countries in the region for sustainable resource management in the building sector.



Mr TAN Phay Ping (Green Mark Professional, LEED AP, MSc Bdg)

1. Group Managing Director, BSD Group of Companies
2. Board Member, Singapore Green Building Council
3. Committee Member, BCA Green Mark Advisory Committee

Phay Ping is the Co-founder and Managing Director of Building System and Diagnostics Pte Ltd (BSD). He has led the company to become one of the leading consulting firms in the field of energy and environmental design with offices in Singapore, Malaysia and China and with a track record of more than 300 projects. It is also a fore-runner in energy, ventilation, solar/ daylighting, wind driven rain, pollutants and thermal dynamic simulations. He is instrumental in transforming the use of high powered computational simulation tools for building applications in Singapore. He also participates in applied research and development. He was the Principal Investigator for close to 10 research projects funded by Governmental bodies and led them to successful completion, of which the projects' deliverables provided the platform for companies to use in their product/ technology development and sales and also by the Government in setting guidelines and standards.



Mr Victor HO [PE (Mechanical), Registered Fire Safety Engineer (SCDF), MSc (Mech Eng) (NUS), Master of Fire Safety Engineering (SCDF/UWS, Australia), Registered Inspector (Fire and Engineering)]

Director, HiLT Fire Pte Ltd

Mr Ho has been involved in fire safety/mechanical design for past 20 years. He has double Masters in Mechanical and Fire Safety Engineering which reflects his intense interest and expertise in the Fire Safety Engineering field. He sat in the Technical Committee in Singapore Civil Defence Force in drafting the Singapore Fire Engineering Guidelines 2015. He was also appointed by the Singapore Ministry of Home Affairs to sit in the discipline committee for Registered Fire Safety Engineers for a period of 2 years from 2013 – 2015. He currently is a member of the working group/committee in drafting the new fire safety code of practice for open plant structure in oil, chemical and process industry. He also won the Fire Safety Design (Merit) Award for projects under SGD 100 Million in the FiSAC Seminar in 2014.



Mr. Steven KANG (Certified Green Mark Professional, BCA Registered Energy Auditor, Singapore Certified Energy Manager, Qualified Energy Solutions Specialist)

Business Development Director, Measurement & Verification Pte Ltd

Steven Kang is the Business Development Director for Measurement & Verification Pte Ltd. A graduate of the National University of Singapore with an honors degree in mechanical engineering, Steven also holds a Graduate Diploma in Marketing from the Marketing Institute of Singapore. Appointed as Ambassador for the Singapore's Building Construction Authority, he also sits on the committee for Singapore Energy Auditor Registrar, Singapore Standard on Chiller Plant Measurement and Verification (SS591), Singapore Standard on Air-conditioning and Mechanical Ventilation in Buildings (SS553) and was in the technical review committee of Vietnam Green Building Council's Sustainable Building Assessment System.



Ms Wah Wah Myint Thu (Green Mark Manager, LEED AP, MSc BldgSc, B.Arch)

Wah Wah is an architect with strong interest in environmentally sustainable design and technologies. She has more than 10 years of experience in the advisory on energy and environmentally efficient building designs as a result of years of working in ESD Consultancy firm in Singapore, National University of Singapore as well as local and international architectural firms. She is conversant in local building codes & regulations and other regulatory frame work dealing with the built environment. She has wide experience in performing dynamic thermal and energy performance simulation and analysis having works on some notable development such as Changi Airport Terminal 3 and Gardens by the Bay projects.

HALF DAY SEMINAR ON

SUSTAINABLE BUILDING DESIGN & DEVELOPMENT

Date : 25 March 2017, Time: 12:45PM-5:15PM
Function Hall, Myanmar Engineering Society (MES),

Seminar Fee of MMK 5,000
Closing date for registration
23 March 2017 (Thursday)

REGISTRATION :

For registration, please complete your particulars and email to info@nns-associates.co. OR
Please contact BSD at 01-94 100 48, 09-97 295 8876, 09-96 470 6788, 09-97 555 4344 for registration.

Applicants Particulars

Name : _____

NRIC No. : _____

Dr/Mr/Mrs/Ms/Others : _____

Birth Date : _____
(DD/MM/YYYY)

Contact No. : _____

Email : _____

Designation : _____

Company : _____

Address : _____

PE/ LA/ SLA No. : _____

Any Comments/ Special Food Requests/ Requests:

Signature/ Company Stamp:

PAYMENT :

Payment can be made by **Bank Transfer** or in **Cash** payment.

Bank Transfer : KBZ Bank Account Transfer
Name : NNS & Associates Co., Ltd.
Account No : 00210300203408701
Branch No : Mingalar Zay Branch 1

GETTING THERE :

Function Hall,
Myanmar Engineering
Society (MES)

Hlaing Universities' Campus
Hlaing Township, Yangon, Myanmar

