

Co Organiser



BUILDING AND CONSTRUCTION  
TECHNOLOGY

BC

13.5.25 (Tuesday)

8.00 a.m.- 2.00 p.m.

Penang Skills  
Development Centre

Admission

FREE (120 pax ONLY)

Registration



Tea Break, Lunch  
& Lucky Draw

BEM 5CPD (Approved)  
IEM25/PG/151/T



e-Certificate of Attendance will be issue  
(Participant must fill in the attendance form during the event.)

# HVACTech : Symposium 2025

## "A" Solution for a better sustainable future

### Talk 1

## Revolutionizing Overseas HVAC Engineering: How Prefabricated Delivery Solutions Drive Success in Global Applications



Speaker  
Tony

### SYNOPSIS

This talk explores how prefabricated delivery solutions are transforming HVAC engineering for international projects. It covers the benefits of prefabrication, such as reduced installation time, cost savings, and efficient logistics for overseas applications. Through real-world case studies, the session highlights successful global implementations and discusses innovations like modular components and smart integration. The talk will also examine future trends in prefabricated HVAC systems, including smart technology and sustainability. Attendees will learn how to leverage these solutions to improve efficiency and drive success in global HVAC projects. Target Audience: HVAC engineers, project managers, and professionals in the construction and building industries involved in international projects.

### Speaker Biodata

Mr. Tony Song is the head of the Integrated Solution Team at Midea Building Technologies. He has 15 years of experience and holds a Master's degree in HVAC from Tongji University. He specializes in low-carbon, software-hardware integrated solutions to reduce energy consumption in building facilities. Tony has published over 10 academic papers, contributed to national standards, and played a key role in advancing smart building management technologies. He has led award-winning projects focused on energy efficiency, including heat pump technology and high-efficiency chiller plants. Before joining Midea, Tony was responsible for global HVAC operations and energy management at Huawei.

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# HVACTech : Symposium 2025

## "A" Solution for a better sustainable future

### Talk 2

## "Designing an Energy-Efficient Chiller Plant: Optimized Solutions for Factory Buildings"



Speaker  
Dr Bruce Lee

### SYNOPSIS

This talk focuses on designing energy-efficient chiller plants for factory buildings, addressing the high energy consumption typically associated with these systems. Key topics include understanding chiller plant operations, energy efficiency principles, and advanced design strategies such as high-efficiency chillers, smart controls, and integrated solutions. The session will also feature real-world case studies and explore emerging trends like AI and IoT in chiller plant management. Attendees will gain practical knowledge to optimize energy use, reduce costs, and enhance sustainability in factory buildings. Target Audience: HVAC engineers, facility managers, building designers, and sustainability professionals.

### Speaker Biodata

Dr. Bruce Lee is a Senior Architect of Building Technology Solutions at Midea, a Professor-level Senior Engineer, and an Outstanding Inventor of Guangdong Province. He specializes in the research and engineering delivery of high-efficiency air conditioning systems and automatic control systems, having developed multiple internationally leading technologies. Dr. Lee has led key projects under China's 13th and 14th Five-Year National Key R&D Programs, contributing significantly to advancements in energy-efficient building management and intelligent systems. He has participated in the formulation of over ten national industry standards and development reports, driving technological progress in high-efficiency air conditioning systems and smart building management.

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# HVACTech : Symposium 2025

## "A" Solution for a better sustainable future

### Moderator

#### Moderator

Ts. Poo Teng Soo holds a Bachelor of Engineering (Hons) in Civil Engineering from Universiti Sains Malaysia. He is a registered Professional Technologist and also a registered ASEAN Engineering Technologist for AFEO. Ts Poo is currently a Council member of Technological Association Malaysia, Tekla Structure Advanced level certified and BIM modeler (Architectural and Structure) CIDB certified. He has more than 25 years of experiences in the industry and actively involved in the Malaysia Construction industries and also the education industries.



Ts Alex Poo

#### Tentative

08.00 a.m - 08.30 a.m Participants Arrival and Registration

08.30 a.m - 08.40 a.m Welcoming Speech by MBOT Rep

08.40 a.m - 09.00 a.m Key Note Speech by Ts Tung Chee Kuan  
(TAM National President)

09.00 a.m - 10.45 a.m **Talk 1** Revolutionizing Overseas HVAC Engineering: How Prefabricated  
Delivery Solutions Drive Success in Global Applications

10.45 a.m - 11.15 a.m Tea Break & Networking Session

11.15 a.m - 01.00 p.m **Talk 2** Designing an Energy-Efficient Chiller Plant:  
Optimized Solutions for Factory Buildings

01.00 p.m - 01.15 p.m Q & A

01.15 p.m - 02.00 p.m Lunch, Lucky Draw and End of the Program

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