

**Training Mode:
Physical**



Approved Duration: 29/5/2025 - 2/6/2026
HRD Corp Serial No: I000I558312

Organised by:
Public Sector Engineers Special Interest Group, IEM

Physical Half Day Seminar on “Precast BubbleDeck Slab System: Design Concepts and Construction Applications with SMART IBS”

BEM APPROVED CPD: 3

REF NO: IEM25/HQ/238/S

Date : 28 October 2025 (Tuesday)
rescheduled from 5 August 2025

Time : 9.00 am - 2.00 pm

Venue : Wisma IEM, Petaling Jaya

Speakers : Mr. Teng Seng Loong
Mr. Liew Zheng Jia

CLOSING DATE : 17 OCTOBER 2025

REGISTRATION FEE'S (subject to 8% SST)

ONLINE FEE (NON HRDF Claimable)
(Log-in for registration & payment:
www.myiem.org.my/member/login.aspx)

NORMAL FEE (HRDF Claimable)
(By Email : Payment by cash, credit card,
bank-in, Quotation & Invoice)

IEM Student Members

100.00

150.00

IEM Graduate Members

180.00

230.00

IEM Corporate Members

300.00

350.00

Non-IEM Members (Non of the Above)

500.00

550.00

PROGRAMME

TIME	PROGRAMME
08:30am – 09:00am	Registration & Door Gifts
09.00am - 10.45am	TOPIC 1: Rethinking Slab Design: Concepts Behind the Precast BubbleDeck System <ul style="list-style-type: none">• Speaker: Ir. Teng Seng Loong (TWT Design Sdn. Bhd)
10.45am – 11.00am	Morning Tea Break
11.00am – 12.45pm	TOPIC 2: Building Smarter: BubbleDeck Applications in Construction <ul style="list-style-type: none">• Speaker: Liew Zheng Jia (IJM IBS Sdn. Bhd.)
12.45pm – 12.50pm	Certificate of Appreciation to The Speakers & Photo Session
12.50pm – 2.00pm	Lunch & End of Event

TOPIC 1: Rethinking Slab Design: Concepts Behind the Precast BubbleDeck System

Speaker: Mr. Teng Seng Loong (TWT Design Sdn. Bhd)

Join us to uncover the engineering behind the BubbleDeck slab system—an innovative biaxial slab design that reduces dead load by up to 30%, enabling longer spans, beamless floor layouts, and greater architectural freedom. This session will delve into the design process, including key structural considerations and integration with MEP systems. Ideal for engineers, architects, and consultants, this is a valuable opportunity to explore how BubbleDeck supports smarter, and more sustainable building solutions.

TOPIC 2: Building Smarter: BubbleDeck Applications in Construction

Speaker: Mr. Liew Zheng Jia (IJM IBS Sdn. Bhd.)

Curious about how BubbleDeck performs on-site? In this session, IJM IBS shares practical insights from past projects where this advanced slab system has been successfully implemented. Discover how BubbleDeck enhances construction efficiency through faster installation, improved site safety, and reduced labour intensity. Gain a clearer understanding of how smart planning and coordination contribute to seamless project execution. Don't miss this opportunity to explore the real-world benefits of BubbleDeck in modern construction environments.

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

Biography Speaker 1

Name: Mr. Teng Seng Loong

Position: Founder / Director

Company: TWT Design Sdn. Bhd

Mr. Teng Seng Loong is a Professional Engineer with over 25 years of experience in Civil and Structural Engineering. A graduate of the University of Malaya, he is the founding director of TWT Design Sdn Bhd and a registered member of the Board of Engineers Malaysia.

His expertise lies in the structural design of high-rise developments, industrial facilities, and medical institutions. Notably, he played a key role in several major healthcare projects including Hospital Cyberjaya, Hospital Pasir Gudang, Hospital Dungun, Hospital Jeli, Hospital Pengajar UPM, and Hospital UNISZA—many of which adopted IBS construction method using precast concrete elements.

In the industrial sector, Mr. Teng was the principal engineer behind ViTrox Campus 3.0 in Batu Kawan, overseeing its multi-phase expansion comprising office buildings, factories, visitor centres, and training facilities. His portfolio also includes significant residential and commercial projects such as Genting Highlands Mixed Development, Jakel Office Tower, and high-rise apartments in Klang Valley.

With a strong foundation in both design and value engineering, Mr. Teng consistently delivers practical, efficient, and innovative structural solutions across diverse sectors. His leadership has contributed to the successful completion of numerous impactful developments throughout Malaysia.

Biography Speaker 2

Name: Mr. Liew Zheng Jia

Position: Assistant Manager (Sales & Technical)

Company: IJM IBS Sdn. Bhd

Mr. Liew Zheng Jia began his career with IJM IBS in 2018 upon completing his Bachelor of Civil Engineering from Universiti Teknologi Malaysia. As one of the founding members of IJM IBS, he has been instrumental in the company's growth, accumulating extensive experience across design, manufacturing, and construction using SMART IBS technologies.

Currently leading the Sales and Technical team, Liew is actively involved in ensuring producibility and constructability during the design phase, overseeing construction execution, and maintaining close communication with stakeholders throughout the project lifecycle. His key project involvements include the Infineon Ancillary Building in Kulim, Hotayi BK2 and ViTrox Campus 3.0 in Batu Kawan, and the RTS Immigration, Customs, and Quarantine Center in Johor Bahru.

Liew played a pioneering role in integrating BubbleDeck technology into SMART IBS, successfully delivering the system's first project—a car park and office building for ASE Electronics in Penang—within four months. Under his leadership, IJM IBS has secured multiple projects across the residential, industrial, and public sectors. He is also highly proficient in value engineering, especially for fast-track industrial and Advanced Technology Facility (ATF) developments, positioning IJM IBS as a leading innovator in the precast construction landscape.



REGISTRATION FORM

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28 October 2025 (rescheduled from 5 August 2025)
9.00am - 2.00pm Closing Date : 17 October 2025 Email : ezzaty@iem.org.my

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	ONLINE FEE (NON HRDF Claimable) (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (HRDF Claimable) (By Email : Payment by cash, credit card, bank-in, Quotation & Invoice)
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Non-IEM Members (Non of the Above)	500.00	550.00

NAME	I/C No	MEMBERSHIP NO. / GRADE	FEES (RM)
Sub Total:			
SST Added 8% :			
Total Amount Payable :			

FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____ Designation: _____

Name of Organization: _____

Address : _____

Telephone No. : _____ (O) _____ (Fax No.)

_____ (H) _____ (HP)

Email : _____

Signature & Stamp

Date