

SBL HRDF CLAIMABLE TRAINING

HANDS-ON DESIGN COURSE: PRECAST CONCRETE DESIGN WORKSHOP

Organised by



binaTECH

Co-organiser



Supported by IBS Centre CIDB Malaysia

Armada Hotel, Petaling Jaya

Batch 1/2019: 1-3 July (Part 1) and 18-19 July 2019 (Part 2)

Batch 2/2019: 4-6 Nov (Part 1) and 21-22 Nov 2019 (Part 2)

(CPD and CCD Points to be applied and updated)

The Modules – New and Improved Content

Part 1: The training course will cover principles and considerations in designing for precast concrete construction: structural forms, load paths, structural stability, progressive collapse, designs of precast concrete components (hollow core slabs, precast pre-stressed planks, precast concrete beams, walls, columns etc) and designs of precast joints and connections. **The course provides an exclusive hands-on training for all who wish to develop in-depth knowledge on precast concrete design methods. The participants will return for Part 2 after two weeks' time of preparation.**

Part 2: The second part of this precast concrete design series is **the application of Part 1** design knowledge in **real building projects chosen by the participants**. The participants will perform structural scheming in precast concrete construction, carry out building stability analysis, design of precast concrete members and their connections. The participants will be required to present their designs and receive feedbacks for improvement in this interactive workshop. **Pre-requisite: Attendance of Precast Concrete Design Workshop Part 1.**

Who Should Attend

This course is intended for engineers working in consultancies, manufacturing companies, construction firms and public agencies; academicians and students; as well as for others who want to understand more about precast concrete design by attending a hands-on training course.

Objectives/Benefits of Training

Upon completion of the course, participants will be able to:

- Understand the principles and considerations in designing for precast concrete construction: structural forms, load paths, stability, progressive collapse, etc.
- Design precast components including hollow core slabs, planks, precast concrete beams, walls, columns, etc;
- Develop an in-depth understanding of the principles as well as to perform designs of precast concrete joints and connections.
- Kick-start a precast design project and performing scheming of precast elements, design elements and connections based on real building project.

Your Investment

RM5,888/pax (covering Part 1 and Part 2) or RM5,388/pax for 3 or more participants from the same company.

Register by 3 April 2019 and get further 10% discount as Early Birds!

The training fee is claimable under SBL HRDF. Please refer to your Training Manager for guides.

Inclusive of training notes and certificate. Refreshments & Lunch will also be provided.

The Facilitator



Dr HS Lai obtained his undergraduate and post graduate degree in Civil Engineering from the University of Leeds, England. He is a registered Professional Engineer in Singapore and has more than 30 years of experience in the design, supervision and management of building projects in residential, healthcare, commercial offices, institutional, security, industrial and building conservation. His main expertise is in the design and construction with precast concrete. He participates actively in the promotion of buildable structural system for the construction industry and has conducted numerous training courses and lectures in precast concrete design for professional structural engineers for BCA-CITI, Singapore since 1998. He was **the principal author of Structural Precast Concrete Handbook and Design for Manufacturing and Assembly (DfMA) – Connections for Advance Precast Concrete System**; both design handbooks were commissioned and published by the Building Construction Authority of Singapore. Dr Lai is presently a principal of Advan-TIS

Consultants LLP; a specialist consultant in the design and management of precast concrete construction. Since its inception in 2009, the company has now extended its consultancy services overseas in Malaysia, Thailand and India.

TRAINING REGISTRATION FORM



Please provide all details and send the completed form and proof of payment to binatech.sfi@gmail.com / 012-305 8086. Registration Dateline: 2 weeks before each event. Thank you and enjoy the training!

Module: _____ Training Date: _____

No	Name of Participant	Designation	Academic Qualifications	Years Technically Involved in Building Construction	Mobile Phone No.	Email
1						
2						
3						

Total = RM _____ / pax x _____ nos. of pax = RM _____. Attached is the proof of payment to CIMB Islamic Acc No: 8600 22 9695 Innovacia Sdn Bhd.

Contact Person Name: _____ Company: _____

Hphone: _____ Email: _____ Address: _____

About Innovacia Sdn Bhd – CIDB & HRDF Registered Training Provider

IBSxBIM

Innovacia specialises in Prefabricated Construction Technology (Industrialised Building Systems, IBS) and ICT.

The company offers:

1. Training: CIDB IBS Professional Modules, Precast Concrete Design Workshop Part 1 & Part 2, IBS Shop Drawings Using CAD/BIM, BIM-based IBS Score Submission, Introduction to Business Excellence in Construction, Reinforced Concrete Design to Eurocode 2 (EC2), Development of Android Mobile Apps & Database, Leading & Managing Change in a VUCA World and many other topics
2. Research: Construction & Prefab / IBS Advisory (Product & Project Technical Assessment, Industry Research, Training Module Development), Customised Software Development
3. Publications: *binaTECH* – Construction Technology & Living Trends Magazine, Customised Publications
4. ICT Solutions: *TiffinBIM* - Affordable CAD/BIM Software, *axdea* (BIM-based IBS Score Calculator), *Innovacia Mobile* (Construction & Other Productivity Apps), *Innovacia VR/AR* (Virtual & Augmented Reality Solutions)

About CIDB IBS Sdn Bhd

CIDB IBS is incorporated as a Private Limited company; fully owned by CIDB Malaysia. Its vision is to be the leading provider of Open System IBS solutions and catalyst for industry transformation. The company promotes and enhances IBS development nationwide through leading edge IBS services and products:

1. Technical & Advisory
2. Learning & Development
3. Verification, Validation, Testing & Certification (VVTC)
4. Supply Chain Management (SCM)

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