

Recorded Webinar Talk on **EMBRACING BIM AND IBS AS CATALYSTS FOR INDUSTRY ADVANCEMENT**

In Conjunction with World Engineering Day Celebration
from 1st March till 7th March 2025

Organised by:
Public Sector Engineers Special Interest Group, IEM

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SPEAKER:

Ir. Ts Mohd Faiz Bin Shapiai

 4 MARCH 2025, TUESDAY

 11.00AM - 1.00PM

REGISTRATION FEE

**IEM STUDENT : FOC
IEM MEMBERS: RM15
NON IEM MEMBERS: RM70**



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SYNOPSIS

Industrialized Building System (IBS) is a construction method widely adopted in Malaysia and various other countries. It involves the manufacturing of building components in a controlled factory environment before transporting them to the construction site for assembly. These components can include precast concrete elements, steel frames, wall panels, and modular units. In Malaysia, the government has been actively promoting the use of IBS to address housing shortages, improve construction productivity, and elevate the quality of building projects. Various incentives and policies have been introduced to encourage developers and contractors to adopt IBS in their construction projects.

Building Information Modelling (BIM) is a digital representation of physical and functional characteristics of buildings and infrastructure. It's a sophisticated process that involves creating and managing digital representations of physical and functional characteristics of places. With BIM, stakeholders can visualize the entire building in a virtual environment, detect clashes or conflicts before construction begins, simulate construction processes, analyze performance, and even manage maintenance and operations once the building is completed.

By leveraging BIM and IBS, it can improve coordination, reduce errors and rework, enhance efficiency, and lead to better decision-making in the construction industry. It has become an essential tool for modern construction projects around the world.

Join us for an unparalleled exploration into the future of construction as we delve into two groundbreaking technologies: Building Information Modelling (BIM) and Industrialized Building System (IBS). We'll uncover how BIM revolutionizes the way we design, visualize, and manage building projects, enabling unprecedented levels of collaboration and efficiency. Furthermore, we'll unveil the transformative potential of IBS, showcasing its role in streamlining construction processes, enhancing quality control, and accelerating project timelines. Prepare to be inspired as we discuss topics ranging from sustainability and innovation to project excellence and industry advancement. Don't miss this opportunity to unlock the secrets to construction success and position yourself at the forefront of industry innovation. Join us and embark on a journey to redefine construction excellence with BIM and IBS.



SPEAKER'S DETAILS

Ir. Ts Mohd Faiz graduated from Universiti Teknologi Malaysia in Bachelor Degree in Civil Engineering (Upper Division) in 2006 and also Master of Project Management from Universiti Teknologi Malaysia in 2015. Started his career as a Civil Engineer in 2006 in one of consultant company, later he joined at Jabatan Kerja Raya Malaysia (JKR) in 2007 and currently he is a Senior Civil Engineer in Building Information Modelling (BIM) Unit, Integrated Asset Planning Branch in JKR.

Apart being as a Professional Engineer, Ir Mohd Faiz also has been an Asean Chartered Professional Engineer (ACPE), Professional Technologist from Board of Technologist Malaysia, and also he is a certified Revit Architecture and Structure.