

# WEBINAR TALK ON TRANSFORMING INFRASTRUCTURE: THE ROLE OF BIM IN MODERN HIGHWAY AND BRIDGE ENGINEERING

DATE: 2 OCTOBER 2024 | TIME: 3:00 PM - 5:00PM

BEM Approved CDP: 2 Hours Ref. No.: IEM24/HQ/380/T (w)

## Synopsis

This presentation will explore the transformative impact of Building Information Modelling (BIM) on the highway and bridge engineering industry. It will delve into how BIM is revolutionizing the design, construction, operation, and maintenance of these critical infrastructure assets.

Key topics to be covered include:

- The core principles of BIM and its applicability to the infrastructure sector.
- Real-world case studies demonstrating successful BIM implementation in highway and bridge projects.
- Overcoming challenges related to BIM adoption, such as data management, interoperability, and workforce training.
- Exploring the future of BIM in infrastructure, including emerging technologies and their potential benefits.

By the end of the presentation, attendees will have a clear understanding of how BIM can be leveraged to improve project efficiency, reduce costs, enhance collaboration, and deliver higher quality infrastructure.

## Speaker's Biodata



Ts. Muhammad Hafiz Bin Zaini

A seasoned Digital Engineering (DE) professional with over 12 years of comprehensive experience in the Architecture, Engineering, and Construction (AEC) industry. Currently serving as the Senior DE Manager at Bina Initiatives Sdn Bhd for the past 9 years, Ts. Hafiz has been instrumental in driving digital transformation within the organization.

Certified as a BIM Manager by CIDB - myBIM and an Autodesk Trainer (Revit & Navisworks Manage), he possesses a deep understanding of BIM technologies and their practical application. His expertise extends beyond industry, as evidenced by his role as an Industrial Advisor Panel for UTHM's Faculty of Engineering Technology (FTK) since 2021.

Ts. Hafiz is a sought-after speaker and knowledge-sharer, having conducted numerous BIM awareness seminars for key industry stakeholders such as COWAM, JKR, and KPKT. He is actively involved in academia, contributing to UTHM by evaluating Autodesk Revit (Architecture) syllabus, assessing student final year projects, delivering industry insights in classrooms, and supervising FYP students focused on BIM and DE transformation.

His passion for advancing the industry is reflected in his commitment to sharing knowledge and mentoring the next generation of AEC professionals.

### Registration fee

Student Member: Free  
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Non-Member: RM70.00

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