

4TH BIM DAY JKR 2021

BIM: EMPOWERING DIGITAL CONSTRUCTION

26th - 27th OCTOBER 2021



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MESSAGE FROM DIRECTOR GENERAL OF PUBLIC WORKS DEPARTMENT MALAYSIA



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
السلام عليكم ورحمة الله وبركاته

Ladies and Gentlemen,

BUILDING INFORMATION MODELLING (BIM) is one of the main methodologies which form the digital construction industry landscape particularly in facing the era of Industrial Revolution 4.0. Application of BIM can increase dynamic productivity and effectiveness in the construction project and facility management delivery system. Since its introduction in Jabatan Kerja Raya (JKR) Malaysia in 2007, BIM has been widely implemented with multi-disciplinary involvement in JKR. BIM has been effectively implemented in government projects in RMK-10, RMK-11 and RMK-12.

The 4th JKR BIM Day 2021 will be held virtually for the first time as a joint collaboration between JKR Malaysia and Pertubuhan Profesional JKR Malaysia (ProJKRM). This programme is one of the continual efforts by JKR to bring awareness to JKR officers, clients, consultants, contractors, academicians and other stakeholders regarding BIM implementation in Malaysia and its way forward. This programme will continue to be the main platform to disseminate information, knowledge and comprehension regarding BIM implementation throughout projects' life cycle and asset management.

This programme is hoped to increase awareness and readiness to implement BIM among stakeholders and industry players. The 4th JKR BIM Day will form a holistic cooperation which links the government, industry players and academician in strengthening and broadening BIM implementation in the national construction industry.

**DIRECTOR GENERAL
PUBLIC WORKS DEPARTMENT MALAYSIA**

PROGRAMME OBJECTIVES

Enhance knowledge and understanding on the application of **BIM** and its benefits

Improve competency in human capital in the field of **BIM**

Networking opportunities for stakeholders

Sharing ideas on the expansion and use of **BIM** by integrating with IR 4.0.

26th October 2021 (Tuesday)



MAIN PROGRAMME

0800 – 0845 Registration (Web Login)

0845 – 0900 Malaysia National Anthem
"NEGARAKU"
Recitation of Doa

0900 – 0920 **WELCOMING REMARKS**

YBrs. Ir. Dr. Lim Char Ching
Senior Director
Civil and Structure Engineering Branch
PWD Malaysia

0920 – 1000 **OPENING SPEECH**

YB. Dato' Sri Haji Fadillah bin Haji Yusof
(Senior Minister) Minister of Works

1000 – 1015 **LAUNCH OF JKR BIM DOCUMENTS**

By YB. (Senior Minister) Minister of Works

EXHIBITION BOOTH VIRTUAL TOUR

With YB. (Senior Minister) Minister of Works

1015 - 1030 Program Break

1030- 1100 **KEYNOTE ADDRESS 1**

YBhg. Dato' Ir. Haji Mohamad Zulkefly
bin Sulaiman
Director General of PWD Malaysia

1100 - 1115 Program Break

1115- 1700 Parallel Sessions

Knowledge Arena | Project Showcase



KNOWLEDGE ARENA

1115 - 1200

BIM Initiatives in JKR

Ir. Ts. Mohd Faiz Shapiai
| Public Works Department Malaysia

1200 – 1245

BIM Technology Update

Abi Sarwan Mazran Ibrahim
| 3D Tech Group

1245 - 1400 Program Break

1400 - 1445 **Engineers' Competencies in Advanced
Technology in IR4.0 Era**

Ir. Dr. Megat Zuhairy Megat Tajuddin
| Board of Engineers Malaysia

1445 – 1530 **BIM : A Value-Based Cost-Benefits
Analysis of BIM Implementation in The
Government**

Project: A Case Study
Dr. Affuddin Husairi Hussain
| Universiti Kebangsaan Malaysia

1530 – 1615

**The Role of H-BIM in Tackling Climate
Change Issues and To Develop Green
H-BIM Framework for Historic Building
Conservation Sustainability**

Saiful Fazli Ramli
| Public Works Department Malaysia

1615 – 1700

**A Construction 4.0-Related Initiative:
Integration of BIM and IBS Score**

Ir. Shahrul Nizar Shaari
| Innovacia Sdn. Bhd.



PROJECT SHOWCASE

1115 – 1200

**Digesting Inputs into Concepts:
Proposed New Mother & Child Building
(MCH) and Upgrading of Existing
Outpatient Block for Hiliran Health Clinic
Project**

Syamil Musaddiq Mohd Ashhar
| Public Works Department Malaysia

1200 – 1245

**Jerantut Hospital Additional Block
Project: Civil Model Development**

Nur 'Affi Ahmad & Mohd Nor Akmal Khalid
| Public Works Department Malaysia

1245 - 1400

Program Break

1400 - 1445

**Jerantut Hospital Additional Block
Project: Structural Model Development**

Mohammad Hazmin Zakaria,
Ir. Qotrunnada Abd Rahman &
Nurul Zawani Hamidon
| Public Works Department Malaysia

1445 – 1530

**Jerantut Hospital Additional Block
Project: Electrical Model Development**

Ir. Muhammad Syukri Khasim &
Muhammad Nur Ariff Mohd Akhir
| Public Works Department Malaysia

1530 – 1615

Mechanical System Clash Management

Ir. Ts. Zulkifli Suliman
| Public Works Department Malaysia

1615 – 1700

**Bagan Datuk Polytechnic Project:
Room Data Modelling**

Muhammad Syaiful Safwan Nordin
| UMP Holdings Sdn. Bhd.

27th October 2021 (Wednesday)



MAIN PROGRAMME

0800 – 9000 Registration (Web Login)

0900 – 0930 **KEYNOTE ADDRESS 2**

YBhg. Dato' Sri Ir. Dr. Judin Abdul Karim
Executive Vice President,
MRCB Building System (MBS)
Malaysian Resources Corporation Berhad

0930 – 0945 Program Break

0945 - 1245 Parallel Sessions

Knowledge Arena | Projek Showcase

1245 - 1400 Program Break

1400 - 1615 Parallel Sessions

Knowledge Arena | Projek Showcase

1615 - 1645 **JKR BIM AWARD 2021**

1645 -1700 **CLOSING SPEECH**

YBrs. Ir. Haji Badioezaman bin Ab. Khalik
Senior Director
Integrated Asset Management Branch
PWD Malaysia

1700 **END OF PROGRAM**



KNOWLEDGE ARENA

0945 – 1030 **Construction Technology for Industry**

Muhammad Syaiful Ahdad Muhammad Fetri
| CIDB Malaysia

1030 – 1115 **BIM & GIS**

Muhammad Iyas Mahzan
| UTNM Resources Sdn. Bhd.

1115 – 1200 **Application of BIM in JKR Green Rating Tool (pHJKR)**

Dr. Nurul Sa'dah Bahar
| Public Works Department Malaysia

12.00 – 1245 **7D Model Expansion in JKR Facilities Management**

Ts. Norashikin Akhmar@Khairuddin
| Public Works Department Malaysia

1245 - 1400 Program Break

1400 - 1440 **Managing Projects Remotely: Beyond Malaysian Borders**

Ts. Suffian Shahabuddin
| 6ix Design Office

1440 – 1520 **The Roles & Responsibility of BIM Manager in Public Project**

Assoc. Prof. Dr. Ahmad Tarmizi Haron
| Universiti Malaysia Pahang

1520 – 1600 **Building Information Modelling (BIM) in Asset Management**

Ahmad Sharainon Md Shaarani
| Microcorp Technology Sdn. Bhd.

1600 - 1615 Program Break



PROJECT SHOWCASE

0945 – 1030 **Pendang Hospital: 4D Model Development and RDI Design Review**

Raja Hartieni Raja Muhammad Tamrin
| ORANGEBEAM Construction Sdn. Bhd.

1030 – 1115 **Putrajaya Hospital Endocrine Institute Project: Experience & Lesson Learned**

Ir. Nik Rabihah Zahrah Nik Sulaiman
| Public Works Department Malaysia

1115 – 1200 **Efficiency in Architectural Practices Through BIM**

Ar. Latipah Abu
| LA Architect

12.00 – 1245 **BIM: Road Infrastructure Concept Design**

Ir. Azmel Yamin Wahab
| Public Works Department Malaysia

1245 - 1400 Program Break

11400 - 1440 **BIM as a Planning and Project Progress Monitoring Tool on Site**

Ir. Nurmawaddah Mohd Idris
| Public Works Department Malaysia

1440 – 1520 **QS Requirement for Quantity Measurement Based on 3D Model**

Mohamad Dizi Che Kadir
| Public Works Department Malaysia

1520 – 1600 **Public Housing Development: PPVC Modular for Singapore Projects**

Amat Kamisan Askandar
| Reaplite Industry Sdn. Bhd.

1600 - 1615 Program Break



JKR BIM Reference Hub & Technology Centre

Exhibition Booth for JKR BIM reference documents and
JKR BIM model demonstration

EXHIBITION SQUARE

BIM product and latest technology, projects
case study, BIM model demonstration

REGISTER NOW AT

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PARTICIPANTS FEE

Government: RM200/Pax

Private : RM300/Pax (Early bird rate until 17th October 2021)

Student : RM50/Pax

INTERESTED IN EXHIBITING?

Please contact

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for further information.



For further enquiries, please contact:

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