

Opening Address
YB Dato' Sri Haji Fadillah Bin Haji Yusof
Minister of Works

BIM Day 2018

Theme:
“Digital Construction – BIM: The Time is Now”

29 March 2018
CIDB Convention Centre

YBhg. Dato' Sri Zohari bin Haji Akob
Secretary General
Ministry of Works

YBhg. Dato' Ir. Ahmad Asri' Abdul Hamid
Chief Executive Officer
Construction Industry Development Board

Fellow construction industry professionals,

Our distinguished guests from abroad,

Members of the media,

Ladies and gentlemen,

Assalamualaikum WarahmatuLLahi Wabarakatuh, Salam
Sejahtera, Salam Negaraku Malaysia and a very good
morningto all of you here today.

2. On behalf of the Ministry of Works Malaysia and Construction Industry Development Board Malaysia (CIDB), I would like to take this opportunity to welcome all of you to the Building Information Modelling Day 2018, or in short BIM Day 2018, which is held in conjunction with the International Construction Week 2018.

3. It must be mentioned that the theme for BIM Day 2018, *“Digital Construction – BIM: The Time is Now”*, is certainly apt and unerring. In this digital age, technology plays a significant role of how we live and work. The adoption of technology in whatever we do is no longer an option but a necessity in our quest to transform the productivity of the construction industry to be at par with other developed countries.

4. Before I commence, I would like to take this opportunity to thank our distinguished speakers who have come from local and abroad to share with us their knowledge and expertise. I am confident that through the line-up of speakers and topics at BIM Day 2018, we will be provided with fresh perspectives and new opportunities on how we can continue to harness the potential of Building Information Modelling, or BIM, in the way we work and build.

5. On behalf of Ministry of Works Malaysia, I would like to thank the supporting partners of BIM Day 2018, the Association

of Consulting Engineers Malaysia (ACEM), The Institution of Engineers Malaysia (IEM), the Industry Centre of Excellence for Construction (ICOE), the Malaysian Institute of Architects (PAM), Universiti Malaysia Pahang and Bina Initiatives Sdn. Bhd.. Thank you for sharing the same aspirations as the Ministry of Works in transforming the construction industry through advance technologies and smart processes in Malaysia.

Ladies and gentlemen,

6. As many of you here are aware, BIM has effectively enhanced the conventional processes in the construction industry. Additionally, BIM has successfully allowed the construction industry to revolutionise the entire lifecycle of a project, from the way buildings are designed, up to its construction, maintenance and demolition. Most importantly, BIM has increased the efficiency and productivity of the construction process and this will only continue to improve with advanced sensors, machine-to-machine communication links, 3-D printing, robotics, artificial intelligence, big data analytics and cloud computing technology making in-roads into the construction industry.

7. In recent years, BIM has emerged as a better alternative to 3D Computer Aided Design (CAD) modelling. This is

because BIM allows teams to work together concurrently in building a comprehensive, digital outline of a building even before the first stone is set. Essentially, BIM enables users to compile information on every aspect of a building. Through BIM, stakeholders can access every step involved in a project's lifecycle covering time, cost and sustainability in a single, integrated tool.

8. Moreover, the use of BIM allows architects, engineers, structural designers and other stakeholders in the processes, to collaborate on the same process to build a complete digital model of the building. Upon completion, this building information model will then function as the blueprint for all parties involved in taking the project from concept to construction, completion, maintenance and demolition.

Ladies and gentlemen,

9. The Ministry of Works through CIDB and the best minds in construction industry has developed the Construction Industry Transformation Programme 2016-2020 or CITP. The CITP launched by YAB Dato' Sri Mohd Najib Tun Abdul Razak, our Prime Minister on 10th September 2015 and acts a national blueprint to guide the transformation of the construction industry through four strategic thrusts: Quality, Safety and

Professionalism, Environmental Sustainability, Productivity and Internationalisation. For the purpose of BIM Day 2018 today, I will focus on the Productivity strategic thrust.

10. There are many other benefits that can be enjoyed by utilising BIM in the construction process. The greatest value that can be realised through BIM is its potential to minimise errors and inconsistencies in drawing for different requirements of building disciplines. This is because the BIM contains more information than a drawing set which allows each discipline to elaborate and connect their intelligence to the project. BIM also allows us to project the constructability and cost and this helps construction managers and stakeholders to better understand what exactly will be involved in building the final project.

11. Additionally, as projects are becoming increasingly complex and competitive, the use of BIM offers a cost effective and time-sensitive solution as compared to the traditional process of construction. This is because BIM allows for updated data to be automatically associated with the entire design model and thus allows for a more dynamic process that takes in account every variable in the construction process.

12. In fact, the potential of BIM to reduce construction costs and avoid design errors in the planning phase was the main

impetus behind the Government's push to increase adoption of BIM in the industry. On the implementation of BIM in Malaysia, some of the notable projects constructed through the use of BIM include the National Cancer Institute in Putrajaya, the Malaysian Anti-Corruption Commission Building in Shah Alam, the Educity Sports Complex in Nusajaya and the Ancasa Hotel in Pekan, Pahang. This clearly highlights to us that the Malaysian construction industry is moving towards utilising modern construction technologies such as BIM.

Ladies and gentlemen,

13. Under the Productivity strategic thrust of CITP, a key initiative is to roll out technology advantage across project life-cycle by using advanced technologies such as BIM. To achieve this, three key drivers were identified, which are to:

- Facilitate BIM adoption in the construction industry through regulations;
- Establish a reference centre to support the development and adoption of BIM as well as other modern methods; and
- Implement competency and learning management programmes.

Ladies and gentlemen,

14. I would like to highlight some of the key initiatives undertaken and successes achieved as the Ministry of Works push forward our agenda of transforming the Malaysian construction industry to become digitally-savvy, modern and advanced in its processes and systems.

15. I am pleased to share in November 2017, Ministry of Works through CIDB established MyBIM Centre, which serves as a one-stop resource centre to promote and increase the use of BIM amongst industry players. MyBIM Centre was introduced as a means of providing the industry with a more cost-effective avenue in implementing BIM. The Centre features state-of-the-art facilities that enable users to model and visualise building projects in a simulated environment. The MyBIM Centre also housed the National BIM library where users can download and use any of the BIM objects and materials listed in the library.

Ladies and gentlemen,

16. Subsidised trainings are also on offer at MyBIM Centre, which covers numerous levels of BIM proficiency trainings.

These subsidies are provided by the government as a means of reducing the high-costs of BIM adoption, particularly for SMEs looking to adopt BIM in their processes. I am pleased to announce that, to date, over 1,300 BIM personnel have been trained and accredited by CIDB.

17. In addition to this, MyBIM Centre has also set up five satellite centres at universities across the country to provide training and development programmes for students in construction-related fields. For this, I wish to put on record my sincere appreciation to Universiti Malaysia Pahang, Universiti Malaysia Perlis, Universiti Sains Malaysia, Universiti Malaysia Sabah and Swinburne University Sarawak.

18. Additionally, CIDB has collaborated with Akademi Binaan Malaysia (ABM) to include BIM Modeller training programmes in six ABM centres across the country. These initiatives are part of the efforts to ensure the new construction workforce are skilled in BIM and contribute significantly increased productivity in construction industry in Malaysia.

Ladies and gentlemen,

19. I would to take this opportunity to highlight that the Ministry of Works through Public Works Department has been a strong advocate and key driver for BIM implementation in the

country. Public Works Department has developed and introduced 130 IBS Pre-Approved Plans, or PAPs, that are in compliance with Industrialised Building Systems (IBS) and modular coordination requirements. The PAPs created by the Public Works Department covers 19 categories of building models, including those for schools, hospitals, offices, and mosques, to name a few. CIDB and the Public Works Department are working closely to redraw the 2-D drawing plans for these PAPs into 3-D models using BIM.

20. Ministry of Works through CIDB is working closely with selected local authorities on BIM eSubmission system which is a Uniform Building By-Laws auto-checker for building plans. I have also been made to understand that MyBIM Centre is also partnering the private sector players, such as Autodesk, Glodon Software, Bentley Systems and Tekla BIM sight. I am confident that through these public-private sector partnerships, we will be able to drive BIM adoption in the country in an all-inclusive manner, covering all stakeholders in the industry.

Ladies and gentlemen,

21. Before I conclude, I wish to once again reiterate the importance of BIM for the betterment of the construction industry in Malaysia. We are optimistic about the future uptake

and implementation of BIM in the industry. With greater promotion and awareness efforts, we believe that we will be able to improve the industry's adoption of BIM and as a result increase the overall productivity of the industry. On that note, it is with my utmost pleasure to announce the BIM Day 2018 officially opened! **THE TIME IS NOW.**

Thank you.