



MEDIA RELEASE

MRT CORP FIRST IN ASIA TO ACHIEVE BIM LEVEL 2 ACCREDITATION

Kuala Lumpur, 21 December 2018: Mass Rapid Transit Corporation Sdn Bhd (MRT Corp), the project owner and developer of the Klang Valley MRT Project, has become the first infrastructure developer in Asia to achieve accreditation for its adoption of Building Information Modelling (BIM) Level 2.

The accreditation, in accordance to British Standards, was presented by Lloyd's Register, a renowned international classification society which provides professional services for engineering and technology, for BIM Level 2 adoption for the MRT Sungai Buloh-Serdang-Putrajaya (SSP) Line.

MRT Corp Acting Chief Executive Officer Dato' Najmuddin Abdullah said the accreditation was a huge achievement not only for the KVMRT Project but for the Malaysian construction industry as a whole.

"This accreditation means that our project and organisation has achieved the level of competence and impartiality according to internationally recognised standards," Najmuddin said during a simple ceremony to receive the accreditation at MRT Corp Headquarters today.

He added that MRT Corp, as developer of the country's largest infrastructure project, was well-positioned to lead in the way for a digitalised future for the construction industry in Malaysia.

"MRT Corp fully supports the Malaysian Government's push for BIM as part of the Construction Industry Transformation Programme. The knowledge and experience gained from our adoption of BIM Level 2 for the construction of the SSP Line will certainly be valuable," he said.

This accreditation has also put MRT Corp in the process of being certified with the soon-to-be released ISO 19650 for organisation and digitisation of information about buildings and civil engineering works, including BIM.



BIM is a process of creating and managing the digital representation of 3D models and associated information's to support decision making throughout the project life cycle. With the right control and management, the BIM process shall reduce the number of the design conflicts to avoid the costly rectification works.

BIM Level 2 involves the use of the 3D models and information that is shared to all project stakeholders through a common database called the Common Data Environment (CDE), as opposed to BIM Level 0 and BIM Level 1 which does not provide a collaborative platform. The BIM Level 2 workflow optimize control and accuracy of project data, and improve design collaboration, construction feasibility, and accuracy of as-built information from the concept phase, to design, to construction and finally operation phase of a project.

As for BIM utilisation for the SSP Line, a total 2.3 terabytes of information is stored in the cloud-based Common Data Environment, comprising over 70,000 3D models of sites, 200,000 drawings and 30,000 documents. This data is being accessed continuously by over 700 users from various organisations involved in the project.

As an example of the value which BIM has brought to the project, an average of 1,000 conflicts and clashes have been identified for each site through this platform. These conflicts and clashes can be resolved prior to construction without costly abortive and remedial works.

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