



July 2014

Dear Reader,

Building Information Modelling (BIM) is a remarkable paradigm that has recently engulfed the global built environment sector for the better. It has provided a catalytic means for "rethinking" how we design, construct, and operate our built environment.

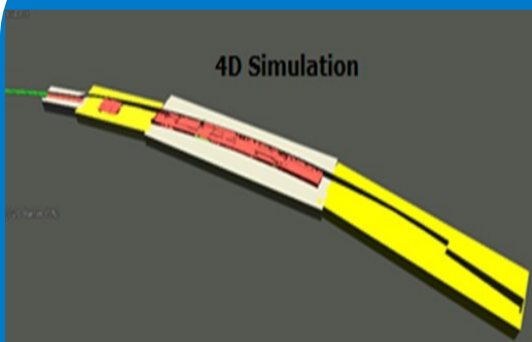


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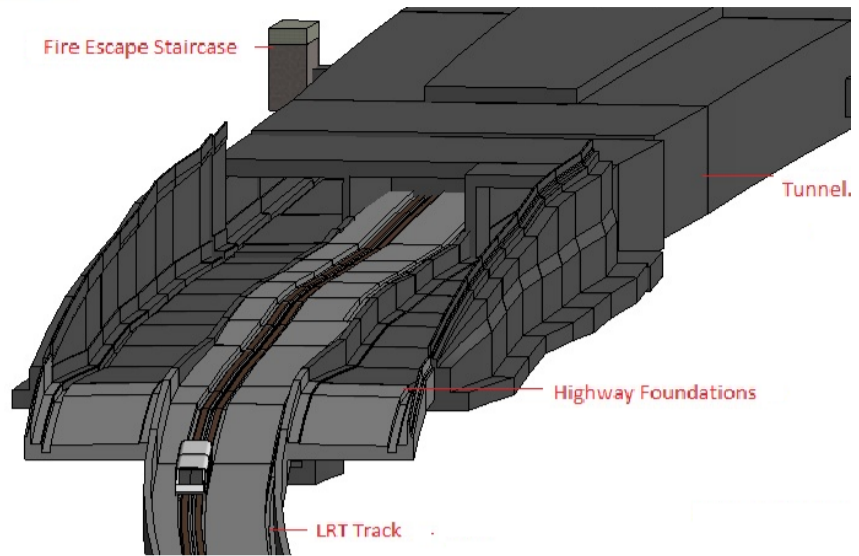
★ The Buzz...

The race is on. By 2016, all construction projects, no matter their size, must be delivered using Building Information Modelling, or BIM. This will extend right through the supply chain, from the largest contractor to the smallest supplier, and it is hoped, will lead to the industry-wide adoption of BIM as the benefits become more widely understood. Across the industry, organizations must get up to speed over the next three years - or risk missing out on valuable opportunities.

The transition from CAD to BIM will be much more significant than when computers replaced paper drawings, around 20 years ago. That merely automated the process, leaving it intact, while BIM is intended to transform how project teams work.



Ongoing Project



Infrastructure Project In Middle East

Excelize has recently worked as a BIM consultant on an Infrastructure development project (Highway and Metro rail) in the Middle East.

The scope was to provide 4D Construction simulation services for approximately 4.5 kilometers of Highway and metro rail. The simulation was generated to focus on major construction tasks such as excavation, foundations and structural works, etc. The model was generated with LOD 200 as per relevant AIA specifications.



Technology for you

'BIM sols can help construction sector in cost optimization'

Building Information Modelling (BIM) solutions can help reduce the capital cost and carbon footprint by over 20 per cent in the construction sector, says a study.

While a number of developed countries across the world have already adopted BIM to reduce project delays and cost overruns, Indian firms are fast adopting BIM, it added.

BIM solutions allow users to construct 'smart' and 'computable' three-dimensional (3D) model of the project to enhance its design, construction and operation.

BIM, that offers digital representation of the project during its lifecycle, right from planning to execution of the project, is gradually picking up among Indian firms.

"This can significantly improve operational efficiencies leading to reduction in project time and cost overruns that the sector currently faces,".

BIM is used most extensively in real estate sector, mostly in design development and construction stage.

Most users who are using BIM fall in the residential segment, building housing projects, followed by those doing mixed land use projects under the commercial category.

The lowest usage was found to be in the non-housing sectors such as industrial and infrastructural developments.

While BIM holds tremendous potential for the construction sector, there are few issues that remain for the use of BIM in the country.

Compatibility between software platforms, availability of skilled resources, and lack of standard processes are among the major challenges deterring usage of BIM technology.

Courtesy: Press Trust of India | New Delhi



Upcoming Events

India International Build Expo Chennai

Date - 11 – 13 Jul 2014

Venue – Chennai Trade Centre, Chennai, India

Building Information Modeling Summit India

Date – 26 Jul 2014

Venue – Hilton 2 Mumbai International Airport, Mumbai, India



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