



June 2016



Ongoing Projects

Dear Reader,

Plan. Design. Build. Manage.

New technology is transforming the way AEC projects are designed, engineered, built, and managed—delivering greater ROI for firms of all sizes.

See how implementing BIM (Building Information Modeling) can deliver business benefits whether you're designing sustainable houses or reimagining the infrastructure of entire cities.

Courtesy: Autodesk



5-Star Hotel projects of a top ENR listed Construction Firm

Excelize has been appointed as a BIM consultant to work on 4 different 4 Star hotel projects. Each hotel had unique features. Excelize scope of work included generating a BIM model -3D, performing clash detection & resolution, generating as built and shop drawings for all the projects.

A combination of Onshore & offshore team work was used to provide effective coordination and modelling support on these 5 projects. Onsite BIM manager conducted in person meetings at job site trailers and/or client offices and made sure that the solutions to clashes is procured beforehand. On-site meetings with sub-contractors made this coordination process faster because solutions to the clashes were provided right during the coordination meetings and they were quickly updated in the models.



Technology for you

The importance of technology for the construction Industry

The construction industry worldwide is going through a technological makeover with the introduction of BIM. Digitization offers a huge untapped potential to the construction industry. It aims at improvising new ways to streamline construction related services for better visualization, easy retrieval of information, embedding and linking of construction-related information, better productivity, highly in-place construction documents, location details, quantity estimation for tendering, speedy delivery and reduced costs.

As the name suggests, Building Information Modelling, brings together the expert software facility, and complexities of construction engineering, on a common platform, to digitally design virtual buildings and accessing their impact for better designs. BIM digitally represents the physical and functional characteristics of a facility. While slowly and steadily becoming the lifeline of construction industry, BIM surpasses the traditional geometrical aspects of construction and focuses on spatial dimensions (width, height and depth - X, Y and Z) with time and cost being the fourth and fifth dimensions. Facilitating a 360 degree view of construction-related aspects to the builders, the BIM is capable of estimating materials and analyzing the forces behind construction engineering, such as energy requirements, lighting and acoustics. Such versatility in the construction standards facilitates the engineers, design teams, facility managers, and building owners, to foresee the effects of constructional changes virtually and explore alternatives in a streamlined manner. The operational capability of BIM enables engineers to take a strategic shift in terms of collating knowledge effectively, for building architectures with an edge and competitive construction engineering.



Upcoming Events

International Conference on Architecture, Civil and Architectural Engineering

Date: 5 - 6 July 2016

Venue: Hyatt Place Chicago Downtown , Chicago, USA

Design and Construction of Launched Bridges

Date: 16 -17 July 2016

Venue: Crowne Plaza Seattle-Downtown Seattle, USA



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★ The Buzz...

BIMA new Paradigm in the AEC industry

Building information modeling (BIM) is one of the most promising developments in the architecture, engineering, and construction (AEC) industry in recent times. The virtual model generated works like an information centre for a project and can be used for planning, design, construction, and operation of the facility. It helps architects, engineers, and constructors visualize what is to be built in a simulated environment to identify any potential design, construction, or operational issues.

