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Excellence in Design Management

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Dear Readers,

Change is the only constant of life and when change takes place there are resistances.

When are you changing to new and most recent technology in construction there has to be resistance. But science also says that for a thing to move from one place to another there need to have a resistance. With the help of resistance we move.

Face the resistances as a help to move with the required change. Wishing you the best for accepting the new technologies in construction and design industry.

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⭐ The Buzz...

Autodesk's 2013 Product

- Autodesk BIM 360 launch for all cloud-based services

- All of the disciplinary (Arch, MEP, Struct) tools are now available in a single Revit application and can be turned off and on as desired.

- Access all disciplinary models and you can now get all their information in one place using a single application

www.excelize.com is now more useful and friendly with interesting articles, newsletters, portfolio samples, testimonials and more.

On Going Projects at Excelize

Residential Project @ Bangalore

Excelize is working with a renowned Realty and Infrastructure Company based in Mumbai for its Residential Project in Bangalore. The project is spread on a total land area of 7.5 acres and built up area of 1,50,000 sq.m comprising of 5 residential towers with luxury apartments ,club house, recreational building, 2 basement floor parking with G+ 40 storied building.

As a BIM consultant Excelize will be coordinating with all the design consultants (architectural, structural, landscape and services-MEPF) as needed to generate the BIM model and to perform clash detection & resolution. We will extract bill of quantity for various disciplines including Architectural plaster, walls & curtain walls, doors, windows, roofing etc and for the foundation , columns , beams floor/ roof slab and excavation.

What is most important in this project is that we have been involved in generating the BIM model prior to tender stage and BOQ's extracted for civil work items has been shared with the contractors while bidding and awarding the tender.
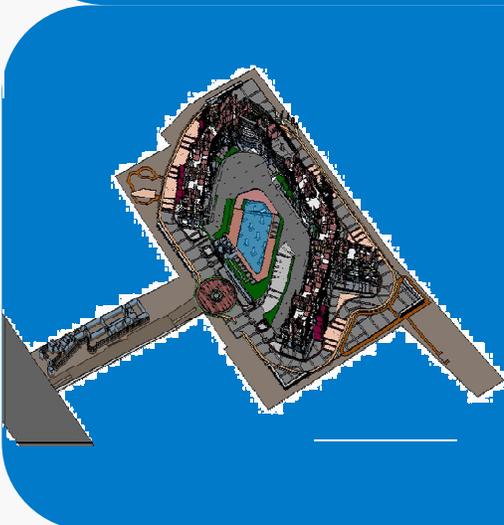
The Technology for you

How Far Has BIM Come in the Precast Concrete Industry?

Building Information Modeling, or 3D interactive modeling, has the potential to accurately capture every element involved in producing precast and promises to significantly decrease design time.

When it comes to three dimensional (3D) interactive software technologies, the construction industry has been criticized for not "getting with the program" and being slow to adopt new BIM (Building Information

one place using a single application. No need to have three separate applications open.

- Both Revit and Navisworks have been updated in the 2013 release to improve integration between the two applications.
- Revit models can now be directly opened in Navisworks without the need to save them in the special NWC file format.
- The new integration method also makes it possible to pull only parts of a Revit model—for example, those that would be needed for construction—into Navisworks.
- Brand-new interface for clash detection where all the tools are now upfront instead of being buried under layers of options and commands.
- Several enhancements to the scheduling capability, including a new easy-to-use button, connections between all the tasks.
Drag-and-drop capability from the model to the task list.

Modeling) systems. Other industries such as automotive, petrochemical, and aerospace and electronics have been on board with direct digital exchange (DDE) of information using 3D models for some time. This article takes a look at the current use of BIM in the precast industry.

In design/build projects, BIM means conflict resolution

"When I think of BIM in general, I think of conflict resolution in multi-system designs," says Nick Burr, drafting supervisor for Tindall Corp., Spartanburg, S.C. For example, a structural precast building involving many trades is a particularly useful application of 3D modeling. In a structural precast building, mechanical and electrical ductwork runs through or adjacent to the precast elements. BIM, or 3D interactive modeling, makes it easy for all the various trades involved in a project to see, in real time, where the different systems are located. In a clash-free model, interferences or conflicts are automatically eliminated early in the design stage. Using BIM, all project collaborators are working with the same 3D plan; no change in one component can occur without all the players adjusting their systems simultaneously and with accuracy. In the past, in pre-BIM days, project conflicts usually became apparent during construction, with the inevitable result of costly change orders and delays for the owner.

For a precaster making many different and customized products that are not used in above-ground building systems, the usefulness of 3D modeling is sometimes not as apparent, but significant advantages still exist. Burr offers an example: "I recently modeled a very large custom precast pile cap with complex, congested reinforcing. 3D modeling helped us to identify and resolve potential conflicts in the steel design."

Another Managing director from a Finland firm says:

"The use of 3D modeling decreases the number of detailing errors, and alternative plans can easily be printed from the model at any time. The model created with modeling software also makes it easier to sketch out the most complicated objects, and it is even possible to predict errors at the site."

Upcoming Events

Zak Hospital Design & Management Expo-Delhi
Date: 20 Apr-2012 To 22-Apr-2012
Venue: Pragati Maidan, New Delhi, India