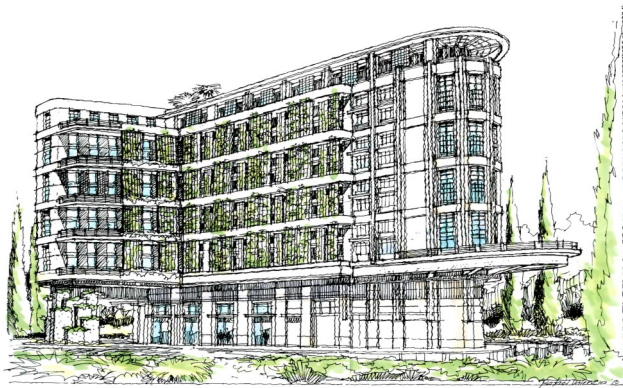




[www.excelize.com](http://www.excelize.com) is now more useful and friendly with interesting articles, newsletters, portfolio samples, testimonials and more.



## On Going Projects at Excelize



Dear Readers,

Wishing you all a happy monsoon! This brings great showers of blessing to one and all. And also brings in good challenging projects. Excelize has also endeavored good challenging projects this season and has learned many new aspects of design. With little leisure at times has also given time to learn new things and experiment with new technologies. That has added the team's knowledge and aspirations for better quality

BIM.



Sonali Dhopte  
(Director)  
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### ★ The Buzz

#### 5 Ways Builders Can Benefit from BIM

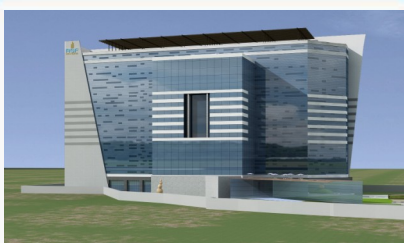
**Customization** — Builders can offer the design flexibility and options of a custom home at the cost of a product home.

**Clash detection** — Using a 3D model, builders can check for structural, mechanical, and plumbing system clashes and design errors upfront, eliminating costly construction changes on site.

**Staff efficiencies** — For instance, Oakwood Homes sells nearly 400 homes annually with just handful of people.

**Site-specific plans** — Once the base BIM models are created for each home a builder offers, creating fully detailed, site-specific plans is a simply process, providing accurate material counts and design specifications.

**Marketing** — Using BIM, builders can create robust, detailed 3D renderings and walkthroughs on the fly to better market homes and keep customers updated on their home.



**Litolier Group:** Excelize is generating the BIM model for this 5 Star Hotel project in Mumbai, spread over an area of around 3,00,000 sq. ft. and consisting of 300+ keys over 14 floors. Our scope of work for this project is to develop a 3D BIM using Revit as per the drawings received from consultants. We will be using the model for clash detection, resolution and will generate visual construction simulation.

#### How has BIM Benefited my Project (Mr. Vikram Mittal Managing Director Litolier Group.)

→How has having a virtual model of the project built prior to construction helped you?

We are making a 300+ rooms 5 Star Hotel, which has lot of services such as MEP, BOH, 275 Car park, 13 Lakh litres of water storage capacity, cafeteria, launder and toilets for 450 staff members. All this would have impossible to coordinate without 3D drawings.

→As a developer, who is closely involved with the design, coordination and construction of this hotel.....what have been the most challenging issues so far and how has BIM helped address those?

All co-ordinated drawings amongst all agencies such as Structural, MEP, Architectural, Architectural Interior, BOH are in 2D. Which do not give a true picture of what is actually being constructed; it's only when simulation is done in a 3D model that you find out about clashes, conflicts amongst different agencies, without going into the trouble of building it first.

→What has been the feedback of the consultants on this project with regards to using the BIM model for coordination?

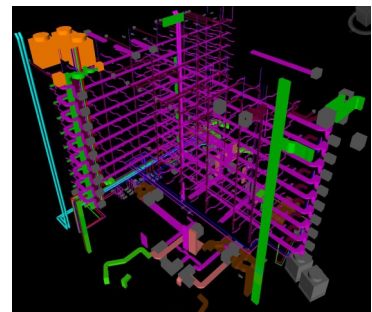
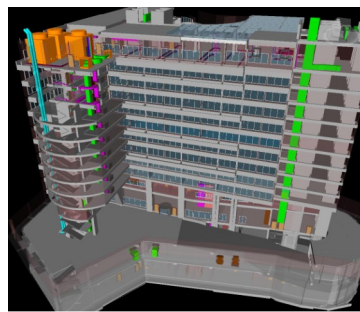
More than the consultants as a developer it is very useful because you saved on cost and time. And instead of first building and then demolishing you build correctly in the first go.

→How does coordination using the model compare with the traditional way?

There is no comparison

→What are the benefits according to you of using BIM?

There are many benefits for using BIM, mainly time and cost. It helps in co-coordinating the drawings and safe cost because all mistakes can be rectified before you go into construction. A very accurate picture is obtained which helps everyone involved.



### Upcoming Events

#### All About Lean Construction and its Application

On 23<sup>rd</sup> July 2011 at Sardar Patel College of Engineering Bhavan's Campus, Munshi Nagar Andheri (W), Mumbai 400 058. A workshop by Institute for Lean Construction Excellence (ILCE).

#### Building Architectural Construction & Engineering Symposium & Trade Show Bengaluru

Date: 21-JUL-11 to 24-JUL-11

Venue: Palace Grounds, Bengaluru, Karnataka, India.



#### Contact Us

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