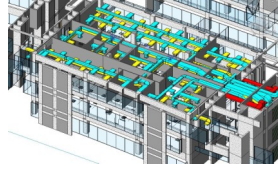




**Newsletter by Excelize**

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

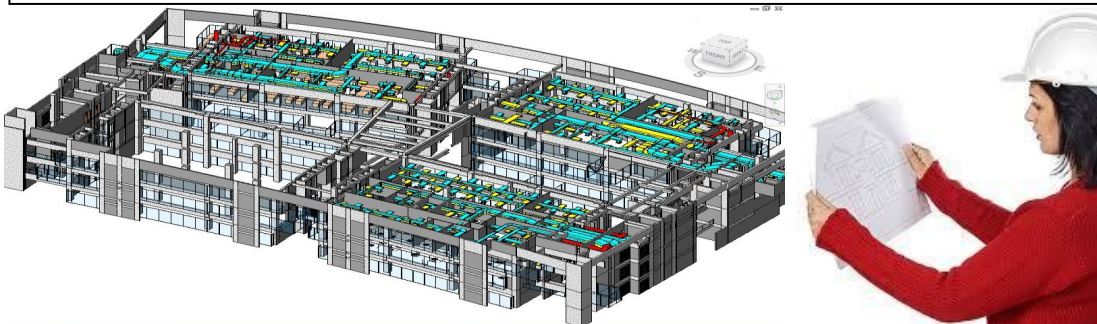
**On Going Projects at Excelize:** A unique dimension of BIM the 5-D. In 5-D, you not only view how your buildings would look like -post construction-digitally, but also get information on time and costs estimates, for overall construction as well as its different phases. This helps a lot to control wastage and reduce costs drastically. In addition to all the regular BIM activities which involve 3D modeling, interface check, BOQ's, simulation and others, Excelize is now working with its clients to provide them benefits of BIM 5-D.



**Institute for Lean Construction Excellence (ILCE)** is a non-profit company which exists to facilitate the creation of a world class Indian construction sector, and to establish new global benchmarks in Procurement & Performance of construction Projects. ILCE has successfully conducted a workshop on "Lean Integrated Project Delivery (LIPD) Through Building Information Modeling (BIM)" on 26th February 2011 in Mumbai. Eminent speakers like Prof. A. Mahalingam & Prof. K. Varghese from IIT- Chennai and Others addressed the audience at this event. Excelize Director Sonali Dhopte was also invited to do a presentation on **BIM Application Cases for India Projects**. Ms. Sonali made the participants aware about BIM as a tool for 4D and 5D work which helps in wastage control not only in large projects but also in smaller projects too. She had a very healthy discussion with the participants on BIM.



**The Technology for you** : For most people, the environment impact of buildings is startling, In the United States commercial and residential buildings consume close to 40% of our total energy, 70% of our electricity, 40% of our raw materials and 12% of fresh water supplies. They account for 30% of greenhouse gas emission and generate 136 millions tons of construction and demolition waste. Today Revit Building customers are using building information modeling for a variety of sustainable design activities including design optimization, visualization, day lighting, energy analysis, quantity takeoffs and specifications management to name a few.



Dear Readers,

The sustainability of a new building is based on many factors, including water savings, energy efficiency, and materials selection. These factors are influenced heavily by a building's architectural, site, and building-systems design and supporting civil infrastructure. Mechanical engineers can support sustainable design by providing input about green approaches early in the design process, designing more efficient and better-sized mechanical systems, and producing metrics and supporting documentation for evaluation and green certification when needed.

**Pratap Dhopte (C M D Excelize)**  
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**The Buzzzzz...**

Sustainable design means "good design" for building projects of all types and sizes. We can make construction more sustainable by using a series of construction-oriented building information models to reduce the energy waste that occurs because of time lags – people waiting for construction materials to be delivered, or waiting for other contractors to finish tasks.



Recently when hearing about sustainable design or green building we also hear about BIM technology. Sustainable analysis is just one of the things you can do with the data set from a BIM. You can't do this with a graphical 2D approach to design.

Perhaps the greatest advantage of BIM in sustainable building design is building analysis. Sustainable building design hinges on the ability to gain insight into a building's performance through design analysis and optimization. But evaluating building performance based on the building representations produced by conventional computer-aided-design (CAD) or object-CAD solutions requires a great deal of human intervention and interpretation and makes the analyses unduly time-consuming and costly.

Sustainable design seeks to mitigate this negative impact through the use of environmentally sensitive design and construction practices. The goal of sustainable design is to produce green building that are environmentally responsible profitable and healthy places to live and work.

**Upcoming events:**

- Realty Expo Chennai  
Date 25-March-11 to 27-March-11, Chennai Trade Centre
- Metro Expansion India Chennai  
Date: 28-March-11 to 30-March-11 The park Chennai
- Port Modernization and Development India  
Date: 28-March-11 to 30-March-11, Hilton Mumbai International Airport

Contact us:

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