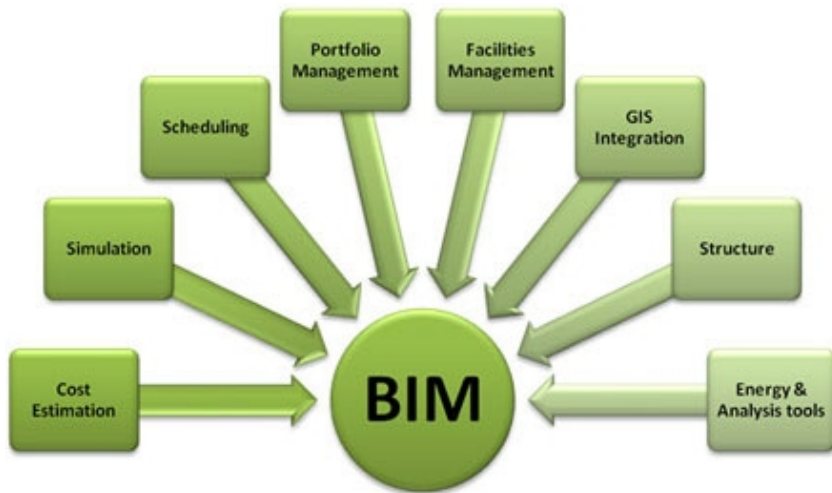


**HSS BIM Solutions Pvt Ltd**

(A unit of HSS group of companies)



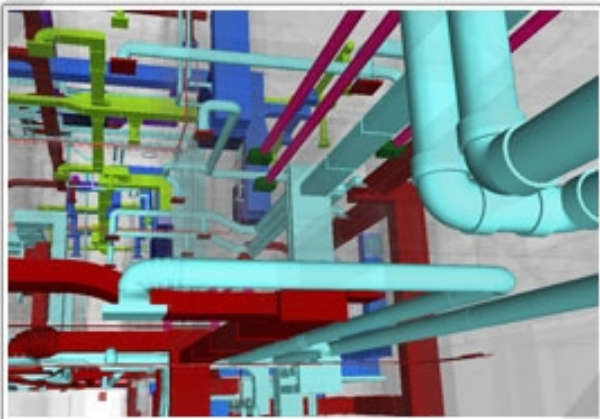
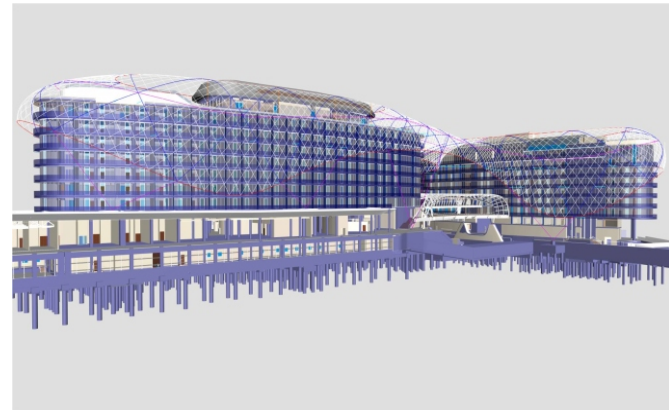
Building Information Modeling (BIM) is a digital representation of physical and functional characteristics of a facility. A BIM is a shared knowledge resource for information about a facility forming a reliable basis for decisions during its life-cycle; defined as existing from earliest conception to demolition.

Building information modeling extends this beyond 3-D, augmenting the three primary spatial dimensions (width, height and depth - X, Y and Z) with time as the fourth dimension and cost as the fifth. BIM therefore covers more than just geometry. It also covers spatial relationships, light analysis, geographic information, and quantities and properties of building components.

## BIM OUTPUTS

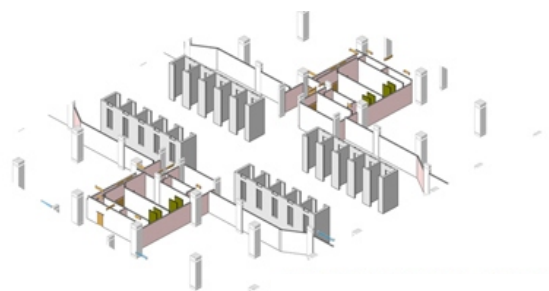
# 3D MODEL AND COLLISION DETECTION

Clash detection enables the effective identification, inspection, and reporting of interferences in the composite project model. Clash detection can be used as a one-time sanity check for completed design work or as part of an ongoing project audit and quality control process.



## ACCURATE BOQ

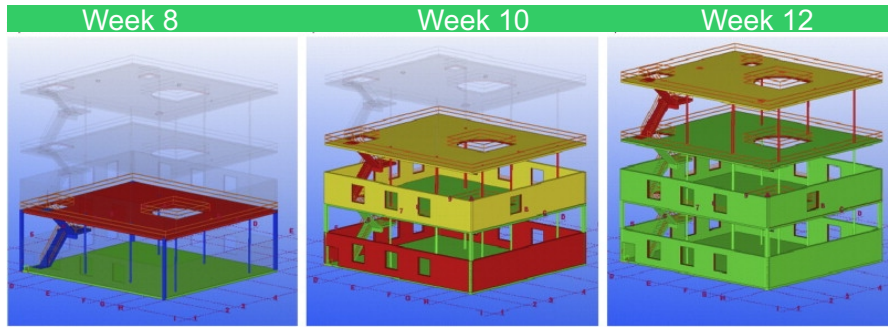
BIM models can be used to accurately generate quantity takeoffs and assist in the creation of cost estimates throughout the lifecycle of a project. Using BIM models in this manner enables the project team to see the cost effects of their design decisions and proposed changes during all phases of the project, and this feedback supports better design decision-making and can help curb excessive budget overruns due to project modifications.



SCHEDULE OF RCC WALLS-STILT LEVEL					
TYPE	TYPE MARK	LENGTH	HEIGHT	AREA	VOLUME
200mm Thk. RCC Wall	RW200-1	16,200 m	1,000 m	16,200 m <sup>2</sup>	3,240 m <sup>3</sup>
200mm Thk. RCC Wall	RW200-2	114,222 m	3,400 m	113,768 m <sup>2</sup>	22,758 m <sup>3</sup>
200mm Thk. RCC Wall	RW200-3	12,200 m	3,850 m	42,140 m <sup>2</sup>	8,428 m <sup>3</sup>
200mm Thk. RCC Wall	RW200-4	40,907 m	4,150 m	77,521 m <sup>2</sup>	15,504 m <sup>3</sup>
200mm Thk. RCC Wall	RW200-5	12,200 m	4,200 m	54,290 m <sup>2</sup>	10,858 m <sup>3</sup>
200mm Thk. RCC Wall	RW200-6	17,476 m	5,050 m	62,425 m <sup>2</sup>	12,485 m <sup>3</sup>
200mm Thk. RCC Wall	RW200-7	42,080 m	6,370 m	244,608 m <sup>2</sup>	48,922 m <sup>3</sup>
200mm Thk. RCC Wall	RW200-8	46,560 m	6,400 m	272,365 m <sup>2</sup>	54,306 m <sup>3</sup>
230mm Thk. RCC Wal	RW230-1	7,241 m	1,300 m	9,115 m <sup>2</sup>	2,096 m <sup>3</sup>
230mm Thk. RCC Wal	RW230-2	30,775 m	1,750 m	37,479 m <sup>2</sup>	8,620 m <sup>3</sup>
230mm Thk. RCC Wal	RW230-3	7,241 m	1,900 m	13,322 m <sup>2</sup>	3,064 m <sup>3</sup>
230mm Thk. RCC Wal	RW230-4	88,800 m	6,370 m	502,480 m <sup>2</sup>	114,290 m <sup>3</sup>
300mm Thk. RCC Wall	RW300-1	4,030 m	0,680 m	2,733 m <sup>2</sup>	0,787 m <sup>3</sup>
300mm Thk. RCC Wall	RW300-2	3,850 m	0,732 m	2,056 m <sup>2</sup>	0,599 m <sup>3</sup>
300mm Thk. RCC Wall	RW300-3	3,500 m	0,975 m	2,739 m <sup>2</sup>	0,807 m <sup>3</sup>
300mm Thk. RCC Wall	RW300-4	21,040 m	6,370 m	131,095 m <sup>2</sup>	39,328 m <sup>3</sup>
300mm Thk. RCC Wall	RW300-5	8,100 m	8,500 m	10,125 m <sup>2</sup>	3,037 m <sup>3</sup>
		476,422 m		1594,481 m <sup>2</sup>	349,130 m <sup>3</sup>

## CONSTRUCTION SIMULATION

The ability to forecast and anticipate problems before they occur is essential for effective project management. Traditional scheduling methods do not address the spatial aspect to the construction activities nor are they directly linked to a design or building model. Traditional bar charts or Critical Path Method network diagrams can be difficult to understand or interpret. Having the ability to watch the elements of a design come together onscreen gives the design and construction team improved accuracy in construction sequencing.



## AS BUILT MODEL

Tracking and maintaining life cycle information about the building structure (wall, floors, roof, etc.) as well as the equipment serving the building (mechanical, electrical, plumbing, etc.) to plan and schedule a program of maintenance activities that will improve building performance, reduce repairs, and reduce overall maintenance costs.



## OUR SERVICES

### BIM SOLUTION

BIM Solutions has compiled a list of services for the most pressing needs of companies in our industry across several disciplines. We also have the ability to make a customized match of our capabilities to the needs of your organization.

### BIM IMPLEMENTATION

We start out by assisting you in creating your firm's BIM Technology Implementation Plan, making sure we have the support of the Principals and upper management. The Technology Implementation Plan is our guide throughout the transition process and will help us assign the appropriate Expert Team Member(s) to meet your firm's goals.

### BIM TRAINING

We understand that making the shift to BIM requires a resource that is knowledgeable and available for consultation. We have mentors on-staff that are available to participate in on-site and online sessions to get you over hurdles.

### BIM CONTENT CREATION

Revit Families are pre-made, precision engineered reusable objects compiled with similar parameters and visual graphical representations that can be organized into the same class or group. These families are very useful for the firms who always search for custom or manufacturer specific content.



## India

**HSS BIM Solutions Pvt Ltd**  
3rd Floor, Ganesh Tower,  
B-1 ,1st Avenue, 100 Ft Road,  
Ashok Nagar, Chennai - 600083,  
Tamil Nadu, India.  
Tel : + 91 44 49181100(100 lines)  
Fax : + 91 44 49181199  
Mob: + 91 9444918325  
Mail: info@hssbim.com

## Malaysia

**BIM GLOBAL VENTURES SDN BHD**  
B-1 (1-4) Block B, Plaza Dwtasik,  
No. 21, Jalan 5/106,  
Bandar Sri Permaisuri,  
56000 Kuala Lumpur, Malaysia  
Mail: info@hssbim.com

## UAE

Consultant HSS  
P.O Box: 183921,  
Dubai, U.A.E.  
Mail: info@hssbim.com

## Singapore

**HSS BIM Global Pte Ltd**  
77A, Boat Quay,  
Singapore 049865  
Tel : +65 63272490  
Fax: +65 63272465  
Mail: info@hssbim.com

# GROUP OF COMPANIES

**HSS ENGINEERING SDN BHD**  
TOTAL ENGINEERING SERVICES

**HSS INTEGRATED SDN BHD**  
ENGINEERING CONSULTANCY SERVICES

**HSS PROJECTS SDN BHD**  
TURNKEY CONTRACTORS

**HSS PROJECT MANAGEMENT SDN BHD**  
PROJECT / CONSTRUCTION MANAGEMENT

**HSS URUS HARTA SDN BHD**  
FACILITIES MANAGEMENT

**HSS INTESYS SDN BHD**  
ENGINEERING IT SERVICES

**HSS MEKANIKAL & ELEKTRIKAL SDN BHD**

Partner



**Autodesk®**  
Authorised Developer