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BUILDING INFORMATION MODELING (BIM)



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The way the construction industry develops and communicates information is rapidly changing. The shift from paper and drawings to models is continuing apace. Building Information Modeling is a process that combines 3D design & analysis, quantity surveying, cost analysis, construction sequencing and many other tools across a common platform.

An integrated information modeling approach provides benefits throughout the design process:

- Better understanding and communication of the consultants' design intent.
- Ensuring that the development is buildable before construction.
- Mitigate redundant and erroneous works during construction.
- Reduce costs and better manage the construction program.

Web Structures uses the latest in 3D BIM software to enable it to be at the forefront of this revolution in engineering design. These processes can be applied to the newest high-rise projects in challenging seismic conditions, as well as to extensive renovation of conservation buildings which offer complex spatial challenges to ensure that the old and the new structures work seamlessly with the building's services and architectural design elements.

BIM not only helps in the design stage, but manages risk throughout the construction period. Time and cost savings used to detect clashes of services and discrepancies are realized by the contractor as they make use of the detailed information that the BIM model contains.

Web Structures dedicated team of BIM managers and modelers currently carrying out work on a number of prestigious projects where BIM is being used throughout the design team to quickly and effectively communicate changes and developments in the building's design

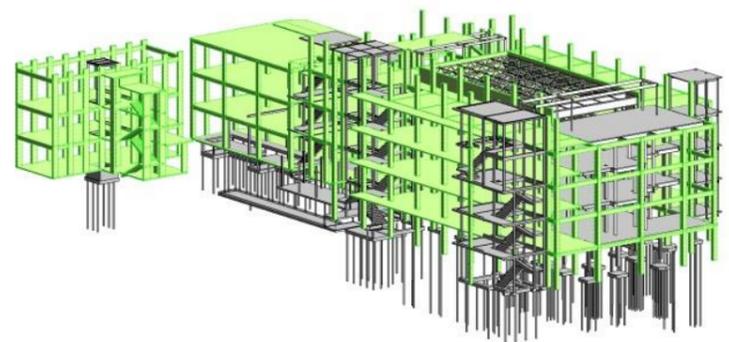
Among these high-profile projects, Web Structures is carrying out work on one of India's most prestigious residential developments. Two forty-storey towers connected by a 100m steel sky-bridge supporting the landscape and recreational facilities, all located within zones of high seismic activity.

The value of BIM does not stop with the construction of a project either. Future maintenance will have the benefit of an accurate record of the buildings systems and assets to refer to. The spatial, technical and procurement information the model contains will help owners and operators manage their development more efficiently throughout its design life.

Web Structures is committed to using the latest design tools at our disposal to be able to meet our ever rising standards of design and efficiency. Building Information Modelling (BIM) is a key component to our innovative approach that will continue to grow as more parts of the industry adopt this technology.



The Atmosphere, Kolkata - India



National Design Centre - Singapore



Platinum Park, Kuala Lumpur - Malaysia