

BIM: resolving complexities of structural design...

Summary:

Over time, use of Building Information Modeling (BIM) in structural design has been quite extensive. It is no more simply a collection of tools used to representing design parameters, but a practical and effective technology shift that directly benefits engineers in terms of productivity, collaboration, and accuracy in work. The biggerst advantage of BIM is its ability to share digital modeling data amongst the design teams. This helps the engineers immensely in maintaining the integrity of the building model during the entire structural engineering process.

Benefits:

Besides offering you a fast and convenient way to show your customers and stakeholders different design and situations regarding a specific project, BIM offers you many more benefits that help you overcome the complexities in structural design. Structural design is undoubtedly the most important process in a building projects, specifically for accurate and timely development of structural framework. This is critical part of the project since the framework holds and transmits distinct kind of loads, and supports the architectural and MEP systems.



There are different BIM software solutions available, such as Revit Architecture, Revit Structure and Revit MEP, which are used by building professionals for the development of effective structural design. Many outsourcing companies have the talent and experience with these technologies; hence outsourcing structural design for BIM can be outsourced.

The collaboration between structural engineers and architects can be easily enhanced with the support 3D parametric models produced for structure, another area that you could consider outsourcing. BIM also allow design and construction professionals to minimize errors from structural design which ultimately helps in enhancing design quality.

“The management, construction and delivery of building projects become easy with BIM- your design documentation”