

Why Construction Company should provide BIM Service

Construction company should a Building Information Model is a digital representation of a building that contains robust, intelligent information. On the cutting edge of BIM technology and a leader in the industry. BIM has multiple benefits including enhanced visualization, linked data sets, improved design team coordination, expedited quantity takeoffs, better scope definition and improved schedule. With integrated modeling services, can provide BIM services on any project to improve the delivery process and leverage the many advantages inherent in BIM.

BIM is more than a technology, though; it is a new process for project success. By forcing collaboration between the projects stakeholders with the assistance of a data-rich 3D model, many details and discrepancies can be ironed out in advance, well before ground is broken on the site. These are three functions that characterize a successful construction project when done well," Building that planning model with integrated cost and schedule data invites real, informed collaboration within the project team. And that leads to fewer well-managed risks, and a higher quality experience.

BIM benefits extended to the sub-contracted trades such as plumbing and electrical. By reviewing the Mechanical/Electrical/Plumbing (MEP) maximized the value that the trades brought to the table. Their installation was considered thoroughly (literally from every angle with the model) before they ever stepped on site. And the whole project benefited from their knowledge and experience applied to the model. The coordination that took days in 2D took hours with the BIM model.

This is one area where we'd like to see BIM coordination grow - we should be able to accept and incorporate models from all the subcontractors in order to fine-tune estimates and scheduling. Now, after successfully implementing BIM technology for visualization and trade coordination, to extend the scope and potential on future projects to include features of 5D virtual construction: preconstruction trades scope verification, look-ahead schedules by trade, by location and model-based quantity takeoff and estimating.

Construction Company should achieve through series of all detail inputs into the Revit model throughout the process of modeling. The basic requirements are - 2D drawings sheets at every stage of Revit modeling, Annotations and Dimensions, 3D camera views in Revit and Red lines/Markups for the design development etc.

BIM process represents more work, with the benefit going to the client and not to the architect. If the architect is using electronic drafting tools instead of an integrated parametric object-based system, then this may be the case. The BIM process is both vision and reality for many organizations and firms. It's more than pretty 3D renderings with construction documents as a

separate function. It's about information use, reuse, and exchange, of which electronic documents are just a single component.

By Revit Services Team