

# Technology: The Future of BIM

Technology has become intertwined with our daily lives. It is a constant evolving and indispensable component of the social and economic fabric of society. In the architectural field, technology has changed the way we design and even construct buildings.

Innovation has become an expected design element and the supporting technology behind these efforts to endlessly recreate are required to be tirelessly adaptable and ever changing. The combination of two-dimensional thinking through CAD and the three-dimensional spatial design through BIM is only beginning to incorporate the ever-evolving Virtual Reality and Artificial Intelligence technology that is ever improving. However using this method, it is not difficult to envision the next drafting experience where the expensive and critically timed decisions of the project team from Architect to General Contractor can be made easier to the point of one person overseeing the 'pencil' to 'steel' production of a project.

Revit, the current leader in the BIM field is the present, but what is the future? The Future is a design nexus where construction meets three-dimensional holographic construction document projection. The Future removes the office, job trailer, and construction crane for a structurally optimized project management bridge of design build collaboration. The Future is consistently evolving to allow for a new era of process where the hardware and data-based programming incorporated with the capabilities of VR, can give the architect more control in the construction process; with improved systems and user-friendly programmability. With federal and local building and life safety codes programed in and adjusted per the latest jurisdictional ruling and the future grants the project team more time to develop the design in compliance to the building and life safety requirements. The Future provides for real time geo- tagged Requests for Information and drone facilitated conferencing. The Future exists between the 'physically built and completed' and 'the yet to come' allowing for critical path phased timelines and budget negotiations that are just being comprehended in today's BIM world.

Our vision of the future conceives of a program beyond today that integrates existing technologies, with real time notifications, and a new form of construction. This program puts more autonomy in the hands of the architect, allowing them to reclaim the role of master builder. Architects can still operate in their respective expertise and while being truly able to see everything under their design umbrella they can move from future projection to tomorrow's foundation. The Future is 'In Progress'.



In Progress

Under Construction

Built



Attention to Drafter

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Team: In Progress