



BUILD IT VIRTUALLY, THEN BUILD IT RIGHT!

PIXELS ARE CHEAPER THAN BRICKS. THE ROI FOR VIRTUAL DESIGN AND CONSTRUCTION IS 2-3 TIMES THE INITIAL CAPITAL OUTLAY.

Building information modeling has been on the scene for some time but the industry still seems unconvinced. How can this be? If a picture is worth a thousand words a 3D or 4D model must be worth more! Is that hesitance rooted in fear of what happens if things went wrong? If so, aren't we really talking about a leadership vacuum? We think so.

Our use of BIM enabled technologies is simple; we want to make high-performance and durable buildings that are more cost effective and delivered faster for clients no matter the size of their project. BIM enables designer and constructor project teams to collaborate on virtual models to test ideas, optimize building performance and coordinate work before even thinking about procurement or construction. All of us want to experience fewer change orders and RFIs. All of us want to minimize on-site installation conflicts and facilitate assembly by optimizing the schedule. To do this, we use BIM to provide more accurate estimating, visual phasing and schedule analysis to reduce risk.

What if we can help our clients to visualize forms in new ways, what about using it to solve functional problems faster? And what if you could make more informed decision-making while your design and construction team had automatically updated quantities? We can go further – we can help integrate your workplace standards (furniture, lighting, power, telecom) into design for future use as an accurate FM deliverable.

Imagine the possibilities for pre-fabrication. How much more efficient is it to prep sprinkler mains in the shop and lift them up on-site instead of going up and down in the zoom boom in the field? Working overhead is half the productivity of work at waist height! What if we leave portions of the building open so that entire walls can be slid into place? Not just the studs... We're talking walls with sheathing, blocking/backing, door/window frames, electrical boxes, wire whips and pipe runs. Labour is roughly 40% of the client's total cost. Think about the savings potential with strategies like these! It will only happen with strong leadership from the prime contractor.

But we do not need to stop here... We can now use a tablet tied to the cloud and put the model in the hands of the last planners on the site. No longer are they sorting through stacks of plan revisions and binders of paper. Now with the use of technology, they can stand in front of what they are building and with the latest information in their hands.

