



building information modeling

virtual environments reduce errors, speed up development, and enhance collaboration



Building Information Modeling (BIM) software creates a more unified vision that results in faster development, better collaboration, and reduced risk. The primary challenge of store planning and development is the complex balance of partners and information. That's why, more than ever, WD Partners encourages the use of BIM in all projects.

BIM uses comprehensive building and engineering data to create a 3D model of the project, which allows parametric control of the plans. When one aspect of the design is changed, the effects of that change are applied throughout the project and are more easily understood. There's no better way to communicate, modify, and control the complex relationships between design, engineering, and architecture.

The result: our clients see our design and engineering much sooner in the process, viewing what it *will look like* rather than imagining what it *might look like*. BIM offers a representation of real physical building components and the flexibility to view a variety of potential options. This allows us to identify challenges early on, encourages collaboration across departments, and fosters informed decision-making before construction begins.

To deliver the full potential of BIM, WD relies on Autodesk Revit – the most advanced BIM software available. With design and brand, operations, architecture and engineering disciplines all in-house, WD is in a unique position to fully capitalize on Revit's integrated modeling. Revit allows us to compile project data – from plans, sections and elevations, to legends and schedules – into a cohesive document. This allows us to better understand dependencies, manage project phase shifts, and visualize modifications. Revit integrates naturally with the way we already work – producing the most collaborative, intelligent, and streamlined design. It is a remarkably effective way to make confident, more informed decisions over the course of a program.

five key questions

Five key questions to ask about your current site development process.

1. Is your design process too fragmented, with key stakeholders working independently instead of cohesively?
2. Are you apprehensive of design changes, concerned about how it will affect other aspects of a project?
3. Have you ever found it difficult to visualize the design or how alternate designs would affect the project?
4. Do you feel in the dark when working with design and development firms, as if you are not part of the process?
5. Do most of your building projects seem to come in way over budget...and way off schedule?

benefits

Go behind the scenes. Presented with front-row seats from design development to completion, our clients feel as if they're part of the process – invited into the back of our offices instead of just visiting out front.

Explore more design options. BIM makes it easy to evaluate multiple layouts with full visualization, complete with automatically updated views, plans, elevations and schedules.

Enhanced collaboration. Complex projects can be harnessed in real time, helping clients understand the intricacies by viewing the project in 3D. BIM keeps them better informed and prepared for the approvals process.

Avoid sticker shock. Relying on detailed intelligence about each system, WD is able to quickly break down the cost of a project based on quantities of materials. What we show to clients is realistic and meets their cost expectations from the beginning.

Reduce construction costs. Collaborating early on in the process allows us to head off potential constructability issues at the front-end of a project, greatly minimizing change orders and wasted effort.

Eliminate redundancies. Forget multiple drawings and files created from information handed down in a chain of command. BIM replaces this with a centralized approach, combining different disciplines into a single model where even one change is coordinated throughout the entire project.

Compress your timeline. With models started earlier than in a typical construction document phase, BIM promotes quicker engagement with all disciplines, aligning engineers, architects and designers – allowing them to contribute their expertise simultaneously.



case study: BGSU McDonald dining hall

BIM is an effective way to manage quality throughout a project. Revit offered the owner the opportunity to see the model as it progressed. They were completely engaged throughout the process. A unified vision made it easier to identify issues and trends early in the process. For more information on the BGSU project, please visit www.wdpartners.com/casestudies/bgsu.php.

experience BIM firsthand

For a closer look at one of the many ways we can present a new design, please visit www.wdpartners.com/bim to view a sample of a Revit walk-through.

why WD

Experience

We've designed projects using BIM technology for well-known, multi-unit businesses, including restaurants, big box retailers, grocery stores and more. BIM is beneficial for new build as well as retrofit projects.

Integration

No other design and development partner provides the interdisciplinary range WD offers. From design, brand and architecture to operations consulting and engineering, we understand and address every aspect of retail, food service, and multi-unit operations.

Documented Success

Our customer list is a Who's Who of the strongest brands. Our successes have been featured in leading retail conferences, websites and magazines. Visit www.wdpartners.com for links to case studies and other evidence.



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