

Business Information Modeling is Transforming the AEC Community

The promise of BIM is making its way into the workflow of architecture, engineering and construction businesses thanks to the vision of AEC design and data thought leaders. Like Web 2.0 technologies, BIM is evolving thanks to those combining visualization, analytics and simulation solutions. To see where BIM is headed, and where Reed Construction Data is taking its customers as BIM evolves, see below.

BIM 1.0 Visualization

Reed SmartBIM Library™

A proprietary Toolset that complements Autodesk® Revit® architecture. SmartBIM Library contains generic and manufacturer-specific objects and allows users to easily find, view, inspect, tag, select and insert Revit objects into design projects.

Properties View

Manufacturers' data and attributes are displayed in the SmartBIM Library user interface and can populate project schedules upon object insertion into the project.

Naming Convention Guidelines

Established by industry experts to guide users in object modeling, naming conventions and linking external data.

BIM 2.0 Analytics

Reed Smart Takeoff

A proprietary add-on tool to SmartBIM Library Manager. This value-added application utilizes a complex mapping tool that allows external data and objects to be mapped to SmartBIM Objects in the project model. The combination of the Revit objects and the linked data creates a complete definition of the project for instant reporting on the number of components.

Reed SmartBIM Objects

Reed-certified objects are modeled with correct geometries and data for effective representation within the model and for accurate data analysis. Great care is taken to create models with small memory footprints. Reed SmartBIM objects are the only Revit objects "tagged" with RSMeans™ data.

Reed Smart Assembly Editor

Thousands of objects are necessary for a given project. As a rule, the ratio of objects modeled to the total parts necessary to construct a project is 1:7. The assembly editor automatically counts all parts necessary to construct a BIM model.

BIM 3.0 Simulation

Reed Smart Simulation

Reed Analytics is a dynamic gateway enabling systematic linking to external databases and systems. Reed Analytics provides the user with the ability to analyze effects of time on the project, thereby allowing environmentally sound building decisions to be made.

The Future of BIM 3.0

BIM 3.0 allows the owner to link energy costs, environmental data (LEED, Cradle to Cradle), and safety and security systems to the designed building for intelligent proactive decisions to be considered prior to initiating construction.

**Where is your firm
in adopting BIM
and leveraging its
possibilities?**

**It can transform
your design
process.**