

SMARTBIM

Revit® Family Management Services for AEC Firms

BIM and Integrated Project Delivery (IPD) are changing the building industry. Responding to the economy, environmental concerns, and demand by building owners to deliver high performing buildings at less cost, Architects, Engineers, and Contractors are creating collaborative processes and using technologies that permit them to create building information models (BIM) that automate design and engineering analyses.

When architects, engineers, and designers model buildings with a consistent catalog of data-rich objects, they increase production efficiency, promote standards of practice, and reduce the risk of errors and omissions. Objects modeled with consistent property sets facilitate BIM-based analyses, fostering early collaboration with the other members of the building team.

For contractors, BIM facilitates constructability analysis, quantity takeoff and cost estimating, and construction planning, leading to reduced conflicts. And, accurate 3D modeling and improved MEP coordination enable factory fabrication of system components and just-in-time delivery to the site for greater installation efficiency and quality control.

SMARTBIM can help firms understand BIM's role in creating better contract documents, providing owners the information they need from BIM, and fostering IPD projects. We offer a number of services to ensure firms can prosper in the BIM environment:

- Standardize an existing Revit object catalog
- Create a robust, accurate and consistent collection of Revit families that meet the firms' guidelines and standard of practice
- Promote the accuracy and consistency of Revit families between a firm's offices and across firms
- Provide tools to manage BIM content
- Reduce your BIM related costs

At SMARTBIM, we believe BIM can help the industry realize tremendous efficiencies and achieve sustainable built environment objectives. Data modeling expertise, focus on the value of BIM beyond design visualization, cooperation, and vision will be needed to successfully integrate performance data for products and assemblies with 3D parametric building models to enable the BIM and IPD project delivery transformation.

The principals of SMARTBIM are pioneers in, and advocates for, architectural modeling technologies, construction information structuring and distribution, sustainability analysis, and the development of software applications that serve our customers. They are passionate about incorporating design and engineering knowledge into digital models of products and assemblies for the building industry and helping AEC professionals do their jobs better, faster, and more creatively.

At SMARTBIM, we understand the complexity and creativity inherent in adopting BIM and executing IPD processes. We are committed to BIM and IPD for the benefits they can bring to the building industry and the society in which it plays such a large part. We are dedicated to offering guidance; products and services that help all stakeholders reap the benefits of a more integrated and collaborative process.

**We are building intelligence
for intelligent building.**

SMARTBIM

SERVICES AND PRODUCTS

AEC Consulting Services

Object Management Services

- Create catalogs of firm's existing families in SMARTBIM's Library Manager software
- Eliminate duplicate families
- Identify quality of existing families and parse into appropriate catalogs
- Replace sub-standard objects and add SMARTBIM families to improve and expand a firm's catalog
- Establish a consistent naming convention
- Establish a consistent parameter set for Type and Instance parameters
- Provide SMARTBIM Suite software for on-going efficiency and management

IPD Services

- Review existing mandates, regulations and AEC guidelines
- Educate teams on BIM and IPD, determine training requirements
- Establish consistent catalog of Revit families for internal use and distribution
- Recommend IPD services and relationships of parties
- Create guidelines for the creation, management and ownership of the Revit project models

Products

SMARTBIM Object Catalog

A collection of over 45,000 generic and manufacturer Revit families

Library Manager

Revit management tool for organizing, searching and distribution of families

QTO Cost Check

Software for quick Quantity Take Off and cost estimation through a link to the RS Means database

ecoScorecard

Software for quick LEED evaluation, selection and documentation of building products

SMARTBIM[®]

Building Intelligence

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