



## SHP Leading Design Earns Autodesk BIM Experience Award

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More Than 150 Projects to Date Serve as Examples of a Fully Integrated Building Information Modeling (BIM) Design and Construction Process

SAN RAFAEL, Calif.--(BUSINESS WIRE)--Dec. 3, 2009-- [Autodesk](#), Inc. (NASDAQ:ADSK), a world leader in 2D and [3D design](#), engineering and entertainment software, announced that [SHP Leading Design](#), a multidisciplinary architectural design and engineering firm based in Ohio, has been selected to receive an [Autodesk BIM Experience Award](#) for its industry-wide advocacy of [building information modeling](#) (BIM) as a process, and its extensive use of BIM for integrated design and construction, sustainable design and facilities management.

The award also highlights the firm's more than 150 BIM process-based projects to date, as well as its work with educational clients such as the [Southern Baptist Theological Seminary](#) and [Indiana University](#).

"With BIM we can develop projects that are extremely well integrated and coordinated, substantially increasing our efficiency and lessening construction time," said Dick Thomas, vice president, SHP Leading Design. "Our commitment to BIM, use of an extensive set of Autodesk software for BIM, and our requirement that our consultants use Autodesk Revit platform software help make it possible for us complete projects on time and on budget."

### Exemplary Application of BIM for Educational Clients

In addition to SHP Leading Design's BIM-based general body of work, the award also highlights two noteworthy educational client projects: the \$6.3-million Welcome Pavilion project for the Southern Baptist Theological Seminary in Louisville, Kentucky, and development of the *Building Information Modeling (BIM) Guidelines and Standards for Architects, Engineers and Contractors* for Indiana University.

For the Southern Baptist Theological Seminary the goal was to create an updated facility where visitors and new students could obtain information and orient themselves with campus beliefs and ideals. Translating this need, the firm restructured the architecture of the main building, turning it into a Welcome Pavilion to honor the Seminary's 150<sup>th</sup> anniversary. The focal point of the Pavilion is the 30-foot-wide by 40-foot-tall dome that includes a new reception hall and security offices. The project entailed the renovation of existing facilities, including the development of the institution's admissions and events planning offices, as well as upgrades to the dining area, coffee shop, men's clothing store and campus bookstore. A new landmark tower and entry gatehouse with prominent landscaping were also part of the new construction scope.

SHP Leading Design effectively applied a BIM process to complete the construction and renovation work in the remarkable time frame of less than one year. To meet the aggressive project timeline, SHP's architectural designers, and the project's mechanical, electrical, and plumbing (MEP) and structural engineering consultants, collaborated using [Autodesk Revit Architecture](#), [Autodesk Revit Structure](#) and [Autodesk Revit MEP](#) software. The team used [Autodesk Navisworks](#) software to create a single 3D digital model for clash detection, to help keep costly field change orders to a minimum and sustain an aggressive construction schedule. Another key to the success of this project was the use of an integrated design and construction practice model developed by 2enCompass (a design-build joint venture involving SHP Leading Design and its construction partner Messer Construction). SHP Leading Design, Messer Construction Company and all of the design consultants employed the 2enCompass model along with an integrated project delivery (IPD) approach to foster shared stakeholder responsibilities, and to help increase design and construction accuracy to reduce financial risk for their client.

Early this year, Indiana University commissioned SHP Leading Design to develop "[BIM Standards](#)" for the institution. The objective was to create an approach for moving the institution and the marketplace from one set of delivery models to a new set built on the foundation of BIM. The new BIM Standards will initially be applied to future Indiana University projects of \$5 million or more. By mid-year 2011 all projects at any scale will be produced per the guidelines.

Founded in 1901, SHP Leading Design is a multidisciplinary design practice with 135 employees and three offices in Ohio. The firm offers planning, architecture, interior design, engineering, construction administration and facilities management services. SHP adopted a BIM process in 2005. In addition to Autodesk Revit Architecture, Autodesk Revit MEP, Autodesk Revit Structure and Autodesk Navisworks, the firm also uses [Autodesk Ecotect Analysis](#), [Autodesk 3ds Max Design](#) and [AutoCAD](#) software. Louisville, Kentucky-based [Advanced Solutions, Inc.](#) (ASI) provides Autodesk software and implementation support to SHP Leading Design.

The Autodesk BIM Experience Award recognizes professionals and educators around the world who are helping to drive industry transformation through building information modeling. Autodesk honors organizations for their innovation, leadership and excellence in implementing BIM with the help of core BIM products, including one or more of the Autodesk Revit platform products, and/or [AutoCAD Civil 3D](#) software, and other Autodesk products that complement the BIM process, such as AutoCAD software.

BIM is an integrated process for exploring a project's key physical and functional characteristics digitally before it is built. Coordinated, consistent information is used throughout the process to design innovative projects and conduct analysis from the earliest stages, better visualize and simulate real-world appearance, performance and cost, and deliver projects faster and more economically, while minimizing environmental impact.

### About Autodesk

Autodesk, Inc., is a world leader in 2D and [3D design](#), engineering and entertainment software for the manufacturing, building and construction, and media and entertainment markets. Since its introduction of AutoCAD software in 1982, Autodesk continues to develop the broadest portfolio of state-of-the-art software to help customers experience their ideas digitally before they are built. Fortune 100 companies -- as well as the last 14 Academy Award winners for Best Visual Effects -- use [Autodesk software](#) tools to design, visualize and simulate their ideas to save time and money, enhance quality, and foster innovation for competitive advantage. For additional information about Autodesk, visit [www.autodesk.com](#).

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