

ARCHITECTURE, ENGINEERING & CONSTRUCTION BUILDING DESIGN FOR FABRICATION

Connect your building design from concept through fabrication



UNLOCK YOUR CAPACITY FOR INNOVATION

Typical BIM solutions are fragmented. When conceptual design plans are turned over for detailed design work, there is no continuity. Early designers lose out on the insight of product experts, leading to later rework.

Without integrative knowledge of product details, predicting project costs and schedules are, at best, guessing games for conceptual designers.

Delivering projects on time and on budget is a challenge for designers whose plans may pose unexpected complexities for end-product fabricators.

Conceptual designers may struggle to ensure design intent is communicated clearly to the fabricators who interpret their plans.

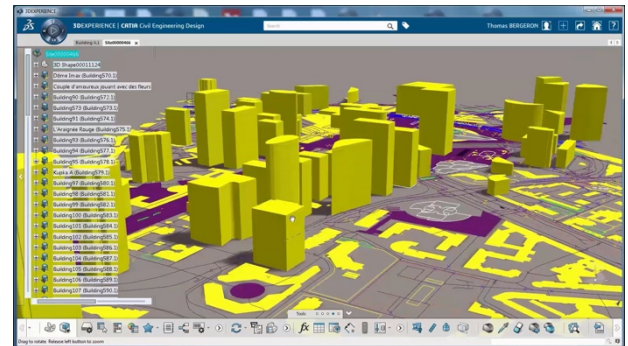
AN END-TO-END SOLUTION FOR THE BUILDING DESIGN PROJECT

The **Building Design for Fabrication** Industry Process Experience, built on the cloud-based, collaborative **3DEXPERIENCE**® platform, efficiently and consistently covers project requirements end-to-end: from planning and design to fabrication and execution.

Design and simulate any building, structure, building element or object. Mock up all projects from office furniture to industrial sheds, high rise buildings, and custom architectures.

Use integrative, parametric, associative and computational, modeling methods to increase productivity and optimize project value through iterative design.

Building Design for Fabrication promotes a highly collaborative approach linking the appropriate technologies. Combine talent, technique, and technology to deliver high performance, value, and efficiency while reducing waste and embodied energy.



Space Study with environmental impacts.

KEY BENEFITS OF BUILDING DESIGN FOR FABRICATION

Better buildings to delight customers

Save time, limit dead ends, validate requirements in real time, and exceed customer expectations.

Project and construction control

Achieve total project control. Reduce waste and rework by extending models into manufacturing and assembly.

Single 3D version of the truth

"Same page" authoring tools scale to huge amounts of data, enabling coordination across all stakeholders.

The power of 3DEXPERIENCE

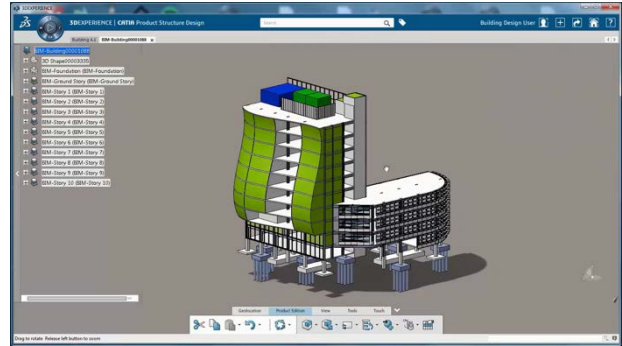
A multi-BIM approach to project development using a truly collaborative, data-centric environment. Enable simultaneous, real-time access to project data and design models across multi-disciplinary stakeholders. Integrate multiple CAD and BIM formats and data sources with the Dassault Systèmes AEC Data Model.

IN SUMMARY

Leverage the insight and data of experts across the supply chain to create an informed design. Reduce later rework, and more accurately predict project costs and timelines through an end-to-end collaborative model that extends from concept through construction.

Use lessons learned from other industries—including automotive, aerospace, and manufacturing—on how collaborative, integrative design can boost efficiency across the project lifecycle.

Gain significant competitive advantages from concept through fabrication with **Building Design for Fabrication**.



Quick and easy concept creation and requirements study with mass models.

Our 3DEXPERIENCE platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 210,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.



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