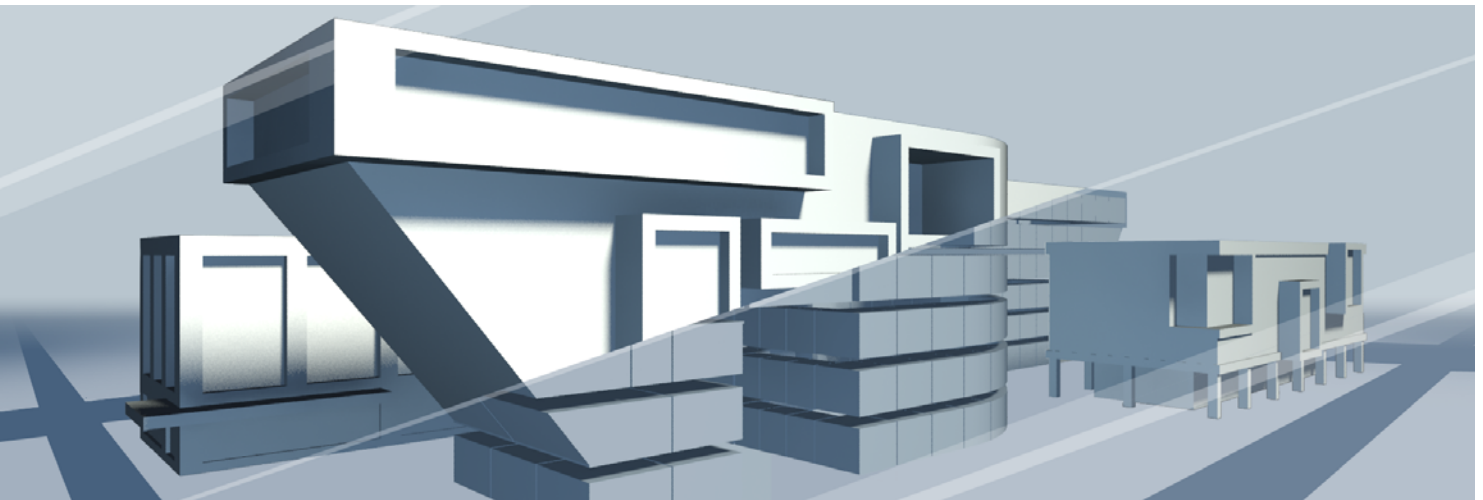




3DEXPERIENCE

CATIA BUILDINGS SPACE PLANNING

*QUICKLY CONCEPTUALIZE
AND PLAN YOUR BUILDINGS AND SPACES*



ACCELERATE YOUR ARCHITECTURAL PLANNING PROCESS

CATIA Buildings Space Planning combines technological strength, ease of use, and productivity to create a flexible and instinctive building and space conceptual design system built on Dassault Systèmes 3DEXPERIENCE Platform. The broad-based collaborative framework enables commercial architects, planners, and clients to quickly visualize requirements and iterate on building concepts using 3D digital modeling to accelerate the design process, and make informed decisions that save time and cost.

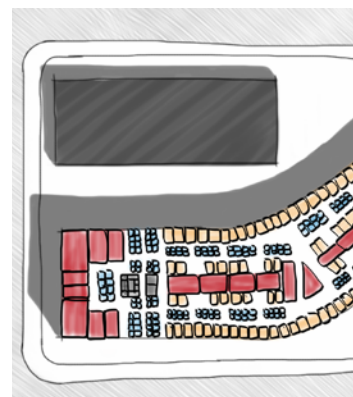
THE IMPACT OF BUILDINGS SPACE PLANNING

Planning a building is a mix of art, engineering, and discovery. Whether you are building a school, designing a hospital, or planning a building expansion, the conceptual phase is critical in defining scope and intent, and determining design decisions. Architects, planners, and specialists need to capture the wants, requirements, and restrictions around what the building must do. Clients want to understand how to best meet the needs while they compare options and look to control costs. The best designs emerge in a truly collaborative environment where designers and clients can work together.

CATIA Buildings Space Planning simplifies conceptual building design

CATIA Buildings Space Planning, powered by Dassault Systèmes 3DEXPERIENCE Platform, simplifies the early stages of building design. You can quickly define requirements, manipulate spaces, collect and analyze environmental and operating data to understand impacts and costs, and create a lifelike 3D design to present to clients.

Starting in the very initial conceptualization phase, you can quickly create design iterations and easily collaborate with your design team and clients to select and confirm approaches to arrive at informed design decisions. The 3D model can then be exported in IFC format to finalize designs using your existing workflow and programs.



Quickly validate space layout and iterate multiple layouts

Quickly capture your concept digitally

CATIA Buildings Space Planning provides a powerful, easy-to-use, and elegant design system that removes the constraints of traditional design by creating highly flexible, interactive workflows. Your focus is on the design, not worrying about modeling logistics.

- **Single modeling environment** enables simple and straightforward design of the building shape
- **Functional modeling** automatically adapts the shape to a mass with walls and slabs
- **Design flexibility** to sketch spaces or import them from requirements for rapid model creation
- **Change mass and spaces** easily to iterate and test different design options
- **Define site boundaries** with imported DWG/DXF files

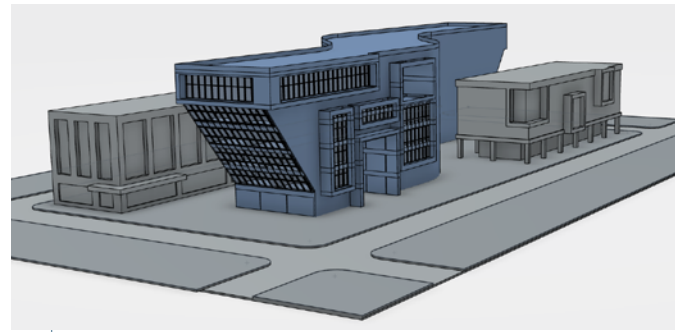
Improve planning effectiveness and deliver a better concept

The integrated modeling approach of CATIA Buildings Space Planning ensures that you always have up-to-date data comparing the 3D model to the requirements and enabling you to understand area calculations. A complete set of 3D planning tools provide validation and analysis of your design, and with Dassault Systèmes **3DEXPERIENCE** Platform, you can develop, visualize, and walk through lifelike 3D digital models to create a firsthand look and feel of the layout.

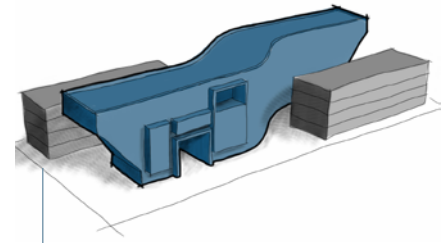
Connected on the cloud and built for collaboration

CATIA Buildings Space Planning stores design data on the cloud, with your data continuously saved as you work. All design variations are stored securely with access from anywhere, anytime. Data is always safe and current, so design teams can easily access the “correct” design data.

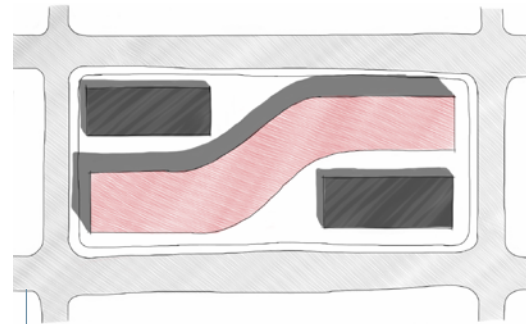
- Quickly find and leverage previous design intent and intelligence
- Easily connect and collaborate with your design team, consultants, and clients
- Define levels of access for users to share, mark up, and discuss designs
- Data remains safe, secure, and accessible from anywhere, anytime on the cloud



Transform ideas into intelligent models



Rapidly explore massing options for design intent



Confirm site boundaries and optimize site utilization

Experience the difference that CATIA Buildings Space Planning can make for your business

CATIA Buildings Space Planning simplifies and streamlines the building and space conceptual design process. Easily develop, confirm, and choose the best design iterations with confidence that the requirements have been met and engage with your customers to win projects. Experience CATIA Buildings Space Planning and impact your next generation of design.

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 170,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.



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