



ALLPLAN ARCHITECTURE
THE BIM SOLUTION
FOR YOUR
CREATIVE IDEAS



MANY TASKS, ONE SOLUTION

Flexible and reliable in all planning phases

Because of its object-oriented working method, Allplan Architecture is a powerful BIM planning tool with extensive CAD functionality. You can work in 3D, 2D or a combination of both, as required. You benefit from a wide range of design aids and a very precise modeling tool. In all phases of building planning, Allplan Architecture provides you with reliable support:

- ▮ Powerful visualizations
- ▮ Abstracted model representations in the design phase
- ▮ Precision in the execution phase
- ▮ Cost reliability thanks to VOB-compliant quantity takeoff

From cost planning through to building management

In conjunction with all the other products in the Allplan software family, you achieve excellent results with Allplan Architecture in a smooth, loss-free workflow. Transparent cost planning, clear award and settlement, interdisciplinary work with civil engineers (Allplan Engineering) and facility managers (Allplan Allfa) become reality. Allplan Architecture ensures the open, system-independent exchange of data in the highest quality with planning partners thanks to powerful interfaces, including the internationally certified IFC interface for the import and export of BIM models.



Opéra car park, Zurich
Planning office: Zach + Zünd Architekten GmbH BSA SIA, Switzerland



ALLPLAN ARCHITECTURE MAKES BIM POSSIBLE

All requirements at a glance

For more than 30 years, Allplan has been providing BIM solutions “made in Germany”. We have always known how to provide professional solutions for experts while looking beyond the boundaries of the disciplines. Our software is used around the world and takes account of the local situation.

Solutions for the entire life cycle of a building

BIM stands for the integrated and cooperative planning, construction and management of a building. With open interfaces, we support this idea and provide a data and communication interface for other software providers. The intelligent, open software solutions from Allplan enable you to record building information over the life cycle and to link it up: from the first draft, tender and award through to construction and efficient management and use. With Allplan, you create 3D models, collect and manage all the relevant information and pass it on to the operator.



*European Central Bank, Frankfurt am Main
Planning office: Bollinger + Grohmann Ingenieure, Germany*



HIGHEST QUALITY DURING PLANNING

BIM becomes part of day-to-day work thanks to object orientation

With Allplan Architecture, you are always in complete control of all the information relating to a component. By systematically working with individual components, you can already identify and eliminate mistakes in the building model. The quality of your planning increases and your work processes become even more efficient. Views, sections, evaluations and visualizations can be derived from the model with a mouse click. And when you create your building model, intelligent components and elements help you with predefined properties. You can of course adapt all this to your particular requirements and even define it as your office standard. Allplan Architecture also offers a number of predefined and individually adjustable parametric objects (SmartParts).

Convenient work along the building structure

The building structure in Allplan Architecture also makes it far easier for you to design building models. Individually configurable, flexible structures logically divide your building into hierarchical levels. The level manager manages the height associations of your 3D component automatically and positions it correctly in the building manager. This makes the BIM working method even easier.



*Tübingen Clinic
Planning office: wörner traxler richter, Germany; photo: Dieter Leistner*



FLEXIBILITY IN DESIGN WITHOUT COMPROMISE

Precise implementation with the Parasolid modeling kernel

Architecture today is increasingly moving away from orthogonal buildings and towards greater sculpturality. Architects therefore need a software solution that enables them to execute free forms accurately. With the integration of the world-leading Parasolid modeling kernel from Siemens PLM, Allplan Architecture offers you exactly the precision required to create such amorphous structures.

Greater performance - less data

With Allplan Architecture, you can define free forms in detail and integrate them better in the planning process. This improves the quality of your planning. Polygons are no longer created when you model 3D solids. You can therefore modify freeform solids more easily, the volume of data is reduced and your system performance increases. Allplan Architecture offers an optimized representation in the plan and animation, and a better look and feel in the creation of building models than ever before.



*Info Tower, Berlin-Schönefeld Airport
Planning office: Sailer Stepan und Partner GmbH, Germany*



RENDERINGS JUST LIKE THOSE BY AN EXPERT

Realistic visualizations in seconds

Architects need to communicate their architectural vision to the building client vividly. Realistic visualizations are a particularly good way of doing this. With Allplan Architecture, you can create these visualizations quickly and easily from the building model – without any external help or additional costs. In just a few seconds, the Real Time Renderer provides you with a realistic, interactive representation from the building model for immediate visual feedback. Effects such as rough surfaces, reflections or illuminated objects can be modified easily to make visualizations really come alive.

Results at the highest level

You can create high-resolution renderings using CineRender from MAXON, which is integrated in Allplan. The various sketch modes integrated in Allplan enable you to depict the building model as a sketch – for competition designs or presentations to the building client, for example – in order to achieve a higher degree of abstraction for the idea behind your design. If you want to put the final touches to your visualization in the very highest quality, CINEMA 4D is the perfect solution for you, thanks to the optimized file exchange and its extensive visualization and animation tools.







EVALUATIONS DIRECTLY FROM THE BUILDING MODEL

TÜV-certified graphical quantity takeoff

You can comprehensively evaluate your building model in Allplan Architecture. You benefit from VOB-compliant quantity takeoff and professional graphical evaluations, which you can print out or use in PDF format. Allplan is the only company in the German AEC sector to be awarded the certificate for software functionality from the technical service organization TÜV SÜD Product Service GmbH. The test on graphical quantity takeoff by TÜV SÜD was carried out on the basis of selected building groups in NEVARIS contained in the “intelligent building data” (IBD) in Allplan.

Reliable building cost management with Design2Cost

Allplan Architecture also enables you to perfectly implement the Design2Cost planning method. This enables time-saving building cost management. From the user-friendly input of the geometries of the 3D building model or qualitative sampling with materials through to bills of services with prices, cost comparisons or thermal insulation calculations, Allplan provides you with everything from a single source. You therefore increase the efficiency and reliability of your planning process. A clear competitive advantage: You can provide your building client with accurate information about building costs and the development of costs within the project at any time.





COMPETENT AND PERSONAL

Benefit from a plus in service

Your day-to-day planning work is full of challenges. We therefore offer all our expertise and experience in order to help you: Our experts in Technical Support, all of whom are architects or civil engineers, will be happy to advise you on all questions relating to your work with Allplan. The special Allplan Serviceplus service provides regular updates of your software, as well as user forums, training and planning aids, technical support and many other advantages. As a Serviceplus customer, you are part of Allplan information and communication network, which is unique in the industry.

Become part of the Allplan community

The international Allplan Connect service portal gives you direct access to the global Allplan community. User forums, training documents, templates for your plans, direct answers to frequently asked questions, events, webinars and videos are available to you here. Allplan provides permanent upgrade guarantees for purchased licenses. You therefore always have the latest software thanks to regular updates. And all at costs that can be planned – because you choose the extent to which you take advantage of what we offer.



Award-winning and certified: Allplan offers maximum user-friendliness and functionality.

