

ALLPLAN DESIGN

PERFORMANCE HIGHLIGHTS



Project: Elementary school Karlsruhe, Germany; Architecture: Wulf Architekten; Photo: Brigida González

Allplan Design is a CAD system, suitable for use in the building and design sector providing an introduction to the Allplan world. It contains a variety of tools for 2D construction, 3D modeling, visualization, presentation and documentation. The current standard interfaces (including DWG, DXF, DGN, PDF) are available for smooth data exchange.



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PRECISE FREEFORM MODELING

For surface and volume modelling the world-leading Parasolid 3D modeling kernel from Siemens has been integrated.

FROM DRAFTING THROUGH TO LAYOUT

For application and detailed planning on the one hand, competition drawings and presentations with a high-quality layout on the other – Allplan offers the ideal tools for all these tasks.

VISUALIZATIONS AT THE HIGHEST STAGE

With Allplan you create atmospheric and realistic presentations with just a few clicks out of the 3D model. For this purpose Allplan provides you with the Real Time Renderer, the extremely powerful CINEMA 4D Render Engine CineRender and the optimized export to CINEMA 4D by Maxon. Even without in-depth expertise in this area, you can create attractive presentations for competitions or customer acquisition very quickly.

CREATIVE MODELING AND PRESENTATION

Design, model, draw: Allplan provides you with optimum support whether you are looking for inspiration or developing 3D details.

PERFECT DATA EXCHANGE

For work with design partners, Allplan offers a wide selection of interfaces – from PDF, DXF or DGN and numerous bitmap formats through to interfaces to rendering applications such as CINEMA 4D.

AN OVERVIEW OF ALLPLAN DESIGN

Ease of Use	The user interface with intuitive palettes is freely configurable, using Drag & Drop, Handles, shortcut menus and Window-compliant shortcuts. Extremely rapid element creation is enabled with the right mouse button using visual based Wizards. You can use the format painter to quickly transfer element formats. Scanned plans can also be integrated and edited easily.
Comprehensive Design Tools	The intelligent user-friendly point input functions enable drawing with just a few clicks. The package offers practical design aids such as a dynamic scale grids and axis grids for buildings and construction lines. You can draw fills, hatching, patterns and bitmap areas quickly with the automatic outline detection. Crossed demolition lines for renovation planning are available as linetypes; you can insert insulation, waterproofing courses etc. as pattern lines. Associative dimensioning offers the dimension position based on configurable rules (e.g. DIN, SIA) and an error search function.
Intuitive 3D Modeling and Presentations	You can use the modeling tools to intuitively design, model and draw. Use the modeling tools for standard solids, solids of revolution, polyline sweep solids, pyramids and tessellated solids. Join 3D objects with Boolean operations and work with several windows and animation windows. If required, CINEMA 4D can be used for modeling via a direct connection. You create photo-realistic images with surface properties, textures and seasonal surfaces for spring, summer, fall and winter.
Professional Layout and Design	Combine drawings, images and text to create outstanding layouts, tables, boards and presentations. Functions for aligning and distributing elements support your professional design. A wide range of catalogue systems is available, including parametric Allplan CAD objects (SmartParts), symbols (e.g. furniture, cars and trees) and textures. You can use textures in both 3D and 2D for realistic features in 2D drawings, as well as fills with gradients and transparency for making light settings, for example. Sequence properties for elements are also possible. Blanking can be applied to texts and dimensions to aid orientation via patterns. Layouts can be indicated in grayscale, as well as in color.
Convincing presentations	With the Real Time Renderer, you can create a realistic, interactive animation of the building model in just a few seconds. You therefore have immediate visual feedback and can check various views, camera settings and materials. In this way, you can select the best possible scene setup. In the render materials, you set uneven surfaces (bump maps), reflections or luminous objects and therefore achieve a high level of detail. Exterior renderings look even more realistic, thanks to the new physical sky. With the support of high dynamic range images (HDR), even large differences in brightness can be reproduced in detail. You can create high-resolution renderings with the help of the extremely powerful CINEMA 4D Render Engine CineRender, integrated in Allplan. If you want to edit your presentation further and give it a really professional finishing touch, the optimized export to CINEMA 4D is the perfect solution for you. You can now copy render materials, illumination and camera settings directly from Allplan.
Efficient Data Exchange via PDF	You can save plans in PDF format for efficient communication with your clients. Even virtual tours of 3D models can be integrated from the animation window into the PDF and viewed by all users via the free Adobe Reader. PDF-A format can be generated for archiving purposes. Its ISO standardization ensures readability over many years. The importing of PDF data is also supported: you can, for example, import manufacturer data or plans using Drag&Drop.
Unlimited Interoperability	Regardless of whether you use DXF, DWG, DGN or IFC, Allplan offers unlimited data exchange options. The interface technology with exchange Favorites ensures high-quality data exchange. Facility management software can also be integrated easily.
Powerful Data Management	Data storage permits the simultaneous management of up to 60 files one after the other in a batch of drawings. Allplan therefore adapts to the computing power and ensures that only the required objects are loaded.
Drawing and Plotting	The "drawing" and "plotting" operations are separate in Allplan. While drawing elements, you do not need to decide how plotting will later be carried out. The program offers you a user-friendly plan layout with a crop layout function for oversize plans. For detailed representation on the plan, you can use layout windows, which can take on any polygonal form. Other advantages include quick printout with preview, and a RTL grid raster driver for optimized print output when plotting plans which include large bitmap data.

**CURRENT SYSTEM REQUIREMENTS ARE AVAILABLE AT
WWW.ALLPLAN.COM/INFO/SYSINFO**

For unlimited use of Allplan a graphics card with a minimum of 1 GB RAM needs to be available as well as a Windows 64Bit system.

**MAKE MORE OUT OF ALLPLAN –
WITH THE PLUS IN SERVICE!**

Allplan Design is also available with a Serviceplus contract. With Serviceplus your software is always up to date. Strengthen your competitive position, increase your leading edge.
More information at www.allplan.com/serviceplus