

PERFORMANCE HIGHLIGHTS

ALLPLAN ARCHITECTURE ³

Allplan Architecture³ (Allplan Architecture Cubed) is the universal BIM planning tool for the highest demands. The strength of **Allplan Architecture³** lies in the reliability and precision up to the working drawing, especially in the area of quantity determination. **Allplan Architecture³** offers a wide range of design tools, high performance building modeling, and a variety of efficient visualization tools. Together with Allplan Bimplus, a cloud-based BIM platform, central model storage, visualization, and coordination across offices and disciplines becomes reality. Selected interfaces – among others, the internationally certified IFC interface – ensure system-independent data exchange with planning partners.

CUSTOMIZABLE USER INTERFACE

Using **Allplan Architecture³**, you can configure your user interface and workspace individually. Plans, views, and perspective views can be opened in parallel windows, and even on different screens, at the same time. The user interface of **Allplan Architecture³** is arranged role- and task-specifically. As a result, the user can always maintain an overview despite the large scope of functions.

DIGITAL BUILDING MODEL

A digital building model unlocks endless possibilities in buildings and building alterations. Not only can you derive plans, sections, views, or details for the different planning phases, but also views in addition to complex area and quantity analyses for building permits, cost determination, and tenders. Working with a building model offers considerable benefits with respect to changes and adjustments to the original planning. Plans update automatically when changes are made to the model which reduces errors and saves you time.

COMPONENTS AND WIZARDS

The building model consists of basic components, such as walls, slabs, roofs, and more complex components, such as facades and rafter constructions. Beyond that, custom objects, such as SmartParts or PythonParts can be added. Components can be pre-configured with respect to geometry, display modes, and alphanumerical properties, saved in the form of wizards, and thus customized per your personal work style and standardized office-internally.

INTUITIVE MODELING

Based on the Parasolid® technology from Siemens PLM software, **Allplan Architecture³** offers endless possibilities in 3D modeling, allowing more freedom when creating volume and surface models with higher precision and performance. In addition to the extended scope of functions, you benefit from a better representation in the animation window and significantly quicker calculations of Boolean operations and other 3D modeling sequences.

REALISTIC TERRAIN MODEL

You can easily create realistic digital terrain models. A digital terrain model forms the basis for drafts, layout views, earthwork calculations and their visualization.

Reference point coordinates can be imported and exported in a variety of formats in addition to UTM and Gauss-Krüger coordinates. Slopes can be created with constant or variable inclinations. Meshing points to form triangles or contour lines can be selected for views.

DETAILED REPORTS

Benefit from easy room creation and labeling as well as numerous analysis of living spaces, floor areas and cubic contents. Using predefined and customizable reports, you can create detailed analysis including illustrating graphics. Optionally, you can define a wall, slab or floor covering for every room and use the legend generator for analysis and visualization.

RELIABLE QUANTITY DETERMINATION

Determine the quantities of all components within a short time and use them for cost determination and TAI. Quantity determination is easily comprehensible, including calculation method and illustrating graphics. The determined areas and quantities can be printed optically as reports and saved as PDF or Excel file, or transferred to a suitable TAI software such as NEVARIS for cost determination and tender.

HIGH-QUALITY VISUALIZATION

Real Time Rendering allows you to create a realistic visualization of the building model within seconds. You have visual feedback and can check various sites, views, camera settings, materials, sky and light settings. Using the powerful render engine – CineRender (from MAXON), integrated in **Allplan Architecture³**, allows you to create high-resolution rendering. Furthermore, you can create tracking shots and shadow studies.

LAYOUT CREATION AND LAYOUT

Using predefined and customizable drawing types, you can derive graphically different layouts for preliminary draft, draft and working drawing from the same building model. Combine drawings, images, and texts rapidly for layouts, construction panels, and exposés. Layout generation is made easier with functions for alignment and distribution. Use fills with color gradient and transparency, textures in 2D and 3D, as well as offsets in depth of elements for realistic effects and a professional design of your layouts.

SMOOTH DATA EXCHANGE

DXF, DWG, DGN, or IFC: **Allplan Architecture³** offers various exchange options. Smooth data exchange with Rhinoceros 3D, SketchUp, CINEMA 4D, Google Earth or Lumion as well as layouts in PDF format make efficient communications easier – even 3D models can be inserted into PDF and viewed by any user using Adobe Reader.

LANGUAGES

German, English, Bulgarian, Chinese, French, Greek, Dutch, Italian, Japanese, Croatian, Polish, Portuguese, Romanian, Russian, Slovak, Slovenian, Spanish, Czech, Turkish, Hungarian

Current system requirements can be found at allplan.com/info/sysinfo