

Allplan BIM 2008 Architecture

New features since Version 17



Allplan sets clear standards with each version. This is an overview of the new features in recent years, and provides you with detailed information on the additional features Allplan has introduced since the version you currently use. Discover the benefits and order your upgrade to the current Allplan 2008 now.



Ease of use and speed

- ▶ With the enhanced, user-friendly point input functions, you need only a few clicks when drawing.
- ▶ The accelerated animation window lets you work quickly.
- ▶ Dimensioning values from laser-based distance gauges are now directly transferred to Allplan.
- ▶ The workspace can now be rotated for optimum workspace ergonomics.
- ▶ The user-defined screen background color provides ergonomic contrast.
- ▶ During layout, you can arrange overlaid elements at a different depth as required.
- ▶ For texts and dimension texts you can omit background that adversely affects readability.
- ▶ New grids provide support for drawing.
- ▶ Chinese, Arabic and many other characters make Allplan even more international.
- ▶ When files are imported, they are displayed in a preview.
- ▶ The Allplan Scan module has become part of the basic version.
- ▶ Allplan now works intelligently with dimensioning software.
- ▶ The express refresh function enables fast zooming and moving.
- ▶ You can now use "handles" to move or resize any elements.
- ▶ You can use the SHIFT key to activate the useful orthogonal function.
- ▶ You can now draw dimension lines and elevations more quickly and with more flexibility.
- ▶ Intelligent x-refs enable you to change identical furnishings simultaneously, for example – now with Allplan point snap.
- ▶ As an alternative, Allplan enables drawing files to be stored and loaded using Windows Explorer – ideal for training up new employees quickly.
- ▶ The automatic comparison of older and newer designs enables effective 'what-if' scenarios.
- ▶ For greater reliability, you can now also undo work steps after you have saved.
- ▶ The cursor snap is now generally available for drawing.
- ▶ With the new object snap and object snap tracking, you can now snap design elements with even greater accuracy.
- ▶ The enhanced point input function available since version 2003 is now even more user-friendly and replaces classic point input.
- ▶ All basic elements now have handles for resizing, moving, and rotating as required.
- ▶ The zoom feature is now intuitively available directly via the right mouse button.
- ▶ You can now also zoom during area selection.

Highlights

- ▶ Decisive improvements in user-friendliness and speed
- ▶ Greater design freedom thanks to more layout and modeling options
- ▶ Special improvements for planning and building for existing assets
- ▶ Higher level of detail in component-oriented building design
- ▶ TÜV-certified VOB-compliant Allplan-Allright integration for greater building cost transparency
- ▶ Improved interdisciplinary collaboration and simplified administration
- ▶ Compatible with Windows Vista® and installation also on Apple computers
- ▶ Current interfaces for 2D and 3D data exchange

- ▶ Elements can now also be deselected using the selection rectangle.
- ▶ The speed of zooming and moving screen content has again been considerably increased.
- ▶ The position of the dimension text is now based on configurable rules (e.g. DIN, SIA).
- ▶ A new dimension lines routine searches for errors in the plan for you.
- ▶ Custom label styles can now be exchanged, enabling you to work faster.
- ▶ For optimum computing performance e.g. in the case of complex layout plans, town planning models or component-oriented building planning, the data volume per drawing file can now be up to 256 MB.
- ▶ If two monitors are used, all the dialogs now note the most recent status and the window split is retained across the screens.
- ▶ In Allplan, a user-friendly profile selection can be used to configure the right drivers for certified graphic cards even more quickly. The certificate represents optimum speed e.g. for animations.
- ▶ With the new input palettes, the drawing area is not only larger, the changes are also easier to make and work runs more smoothly.
- ▶ To simplify work and avoid errors, the storage locations for files can now be user-defined as in MS Office. You can set individual default values.
- ▶ For an optimum overview when drawing, the crosshairs now have a new activation preview: when you approach an element, it is highlighted in a color and the element properties such as element name, pen, line, color, layer, segment and sequence are displayed.
- ▶ The screen content can now be displayed for the layout check, screenshots or screen prints easily without construction lines.
- ▶ Rapid selection can also be used to select the plan set and set of rights.
- ▶ For faster activation of elements, you can now use a shortcut menu similar to that for point entry.
- ▶ For targeted modification, you can now limit the properties of elements step-by-step, for example. The filter result is displayed immediately on screen and the filter steps can be carried out in any sequence.
- ▶ You can now easily filter by hatching and pattern numbers. Activated points are displayed so that reliable modification is possible.
- ▶ A new color and pen assignment dialog in Allplan permits greater design versatility.
- ▶ To ensure smoother teamwork, newly created catalogs are now immediately visible for all users.
- ▶ Layout elements can now be exchanged very easily
- ▶ It is now possible to carry out a batch plot with Windows drivers.
- ▶ To rectify accidental copying of two identical data records to the same position, you can now use the "Delete Duplicate Element" feature.
- ▶ New bitmaps with transparency are ideal for using photos for patterning, for example.
- ▶ The new fill areas with color gradients and transparency enable you to design plans and reports flexibly.
- ▶ With the enhanced OLE technology, you can edit e.g. Word and Excel documents directly in Allplan.
- ▶ The new pixel image editor permits the subsequent editing of rendered images and photos directly in Allplan.
- ▶ With the new Allplan text editor, you can write with format properties as in Word.
- ▶ Drawings are particularly effective thanks to textures directly in the associative and isometric views.
- ▶ You can create freehand sketches directly on the screen with a pressure-sensitive pen and can thus refine your design documents with Allplan (optional).
- ▶ The enhanced easy connection to CINEMA 4D lets you generate very unusual, organic forms in Allplan (optional).
- ▶ The new RTL raster driver provides perfect print output for long layout plans (optional).
- ▶ In the text editor, a quick selector displays the most recently used fonts.
- ▶ Bitmap areas can now have any hidden color and are optimized for large data volumes.
- ▶ Design windows can now have a polygonal form for greater design freedom.
- ▶ Digital freehand drawing with Allplan Sketch is now better integrated in Allplan and also supports the transfer of complete designs (optional).
- ▶ With Allplan, you can now place geo-referenced orthophotos (as TIFF or JPG

Creative freedom

- ▶ With the introduction of OLE technology, you can easily integrate Word and Excel documents in Allplan.
- ▶ The 256 line colors now available afford you full design freedom.

- files) in the exact location with the bitmap feature.
- ▶ With just a few clicks you can generate custom surfaces and shapes, e.g. for three- and four-point canopies, banners, etc.
 - ▶ You can now easily assign start and end symbols to elements such as lines, polylines and circles: you can therefore turn a line into an arrow or a polyline into a chain, for example – ideal for flow charts.
 - ▶ Layouts can now be designed more effectively in color as even the background color for hatching and patterns can now be freely selected from 16 million colors.
 - ▶ To create plans more quickly, elements such as lines and circles can now be evenly aligned or distributed very easily.
 - ▶ For a faster workflow in 2D design, when two elements intersect, you can now immediately cut the second element to fit: the preview displays all realistic cutting options.
 - ▶ The resizing of elements is now even faster: you can now take the required influence area directly from another component.
 - ▶ You now have a wide range of completely new or redesigned symbols for the various areas of use e.g. building for the disabled, fire fighting, trees, people, cars, textures, photos and much more.
 - ▶ Textures can now also be placed intelligently.
- Component-oriented planning (BIM)**
- ▶ The new wall axes help you to draw walls even more clearly.
 - ▶ You can now draw and edit directly in the animation window.
 - ▶ Views and sections are now updated associatively when you make changes.
 - ▶ The animated preview makes the input of components more intuitive.
 - ▶ You can generate window sills automatically.
 - ▶ You can now easily assign components to any cross-sections and attributes (profile wall).
 - ▶ The improved detailed representation of window and door frames makes your designs even more accurate.
 - ▶ The new strip, pad, and slab foundation components and the complete 3D foundation feature allow for flexible foundation design.
 - ▶ For curved walls, the feature for entering openings is now even more effective.
 - ▶ When using room-specific macros, Allplan automatically takes account of the floor thickness.
 - ▶ Optimized dimensioning is now available for columns and curved walls.
 - ▶ Improved handrail intersections simplify stair planning.
 - ▶ A user-defined shortcut can enable you to rotate a wall.
 - ▶ The new installation component permits rapid use for renovations.
 - ▶ The new legend generator lets you analyze areas and rooms on the basis of different criteria (e.g. materials), visualize areas, and store a legend. As a result, you can easily create patterning plans for clients and tradesmen.
 - ▶ With the new handles, you can move and change door and window openings easily with the mouse.
 - ▶ You can easily model façades to scale.
 - ▶ Additional skylight forms are now available to meet the requirements relating to the refurbishment of old buildings, in particular.
 - ▶ Casement windows are now also included in the window modeler.
 - ▶ The door and window frames currently so popular for renovations are now also possible.
 - ▶ Detailed quantity takeoff is now available for irregular wall cross-sections.
 - ▶ Component-oriented data exchange with other CAD systems is now possible in accordance with the latest standard IFC 2x3.
 - ▶ Every user can set up a project for component-oriented planning with storeys, floors, structure and file splitting with just a few clicks and no need for expert knowledge of the system. A new storey manager and model wizard make this possible.
 - ▶ With a new dialog for macro definition, it is now even easier to create and maintain macros.
 - ▶ To help you avoid design errors, Allplan now ensures the right DIN label for door display.
 - ▶ The Allplan components are now better modified to meet the requirements of current trends such as BIM, IFC data exchange and energy analyses.
 - ▶ Allplan now offers even more flexibility for the creation of foundations e.g. off-center foundations, slab foundations, etc.
 - ▶ Dynamic lists e.g. the window list with overview drawing, walls with legend display or floor space calculations with totals can be used for flexible design and reliable legend display and maintenance directly in the drawing file. An ideal supplement

to the room stamps and as a "just-in-time" display.

- ▶ The design of openings in Allplan is now even easier.
- ▶ A special modeler for railings, fences, sills and other linear, evenly subdivided components accelerates your work.

Cooperation and administration

- ▶ The new Nemetschek license management feature ensures licenses are used more effectively.
- ▶ During team project work, you can now remove and reintegrate computers at any time.
- ▶ You can now generate designs of any size as PDF files directly in Allplan: the exact representation is retained and the Allplan layers can be shown or hidden as layers in the PDF.
- ▶ The new, script-controlled silent setup enables data transfer and parallel installation, among other things.
- ▶ You can now install service releases automatically.
- ▶ When the license server is used, a mobile computer no longer needs a dongle for "borrowing" licenses.
- ▶ With multi-layout import for DWG and DXF, several layouts can now be imported from AutoCAD in a single step.
- ▶ NDW files are now resource-independent: the NDW file looks the same in every Allplan installation.
- ▶ X-refs are transferred as x-refs or Allplan drawing stacks during import and export in Allplan.
- ▶ The resolution of pixel images, color gradients, and OLE objects can now be configured during PDF export.

- ▶ You can now import PDF files: lines, texts, pixel bitmap areas and layers are transferred from Allplan for further processing. Ideal for reusing drawings from manufacturer catalogs.
- ▶ Allplan can also be installed on Apple hardware with an Intel processor, if you use the Windows XP operating system with "Boot Camp".
- ▶ Allplan is now compatible with Windows Vista: ideal if you want to use new hardware.
- ▶ Allplan now has the latest AutoCAD 2007 import and export.
- ▶ You can now integrate an Allplan model in a PDF at the touch of a button. The user can view and turn the model in the free-of-charge Adobe Reader, define sections and hide and show elements. This helps you simplify communication with building clients and planning partners, without the need for add-ons.
- ▶ You can now directly reuse animations integrated in PDFs directly in Allplan. The existing design layers or scale information are applied, so that the structure is also mapped in Allplan.
- ▶ Data exchange with MicroStation V8 is now possible using the latest version of the DGN format. There is no need for the extra work involved in converting data.
- ▶ For simplified, file-based data exchange between Allplan users of the same and different versions, Allplan now has its own file format NDW, which draws together all the relevant information in a single file.

Design2Cost – Planning by cost factors

- ▶ In addition to the position method, the more powerful building group method is now available for quantity takeoff: components (elements) are used to describe Allplan objects in terms of qualities in Allplan BCM Building Costs (formerly Allright). As a result, real quantities can be determined without you needing to draw details. Changes in Allplan or Allplan BCM Building Costs (formerly Allright) can thus be continually compared in graphically supported quantity takeoff and updated.
- ▶ Individual quantities from Allplan BCM Building Costs (formerly Allright) are displayed in color in Allplan.
- ▶ Quantity takeoffs are transferred to every AVA system using Allplan BCM Quantities (formerly Alltop) as the link to Allplan (optional).
- ▶ Several determined quantities from Allright can now be identified simultaneously in Allplan thanks to color coding.
- ▶ New analyses, specifications, building lists, and sequence analyses for positions and elements round out the features of Allplan BCM Quantities (previously Alltop).
- ▶ You can now create user-defined variant comparisons and planned/actual cost analyses with Allplan BCM Quantities (formerly Alltop).
- ▶ A quantity and cost tachometer is now available for optimum construction cost controlling during planning.
- ▶ Ideal for client consulting: as soon as a position is changed in Allplan BCM Building Costs (formerly Allright), the

surfaces are immediately corrected in Allplan.

- ▶ The calculation of costs in accordance to DIN 277 has been adapted to the new legislation.
- ▶ VOB-compliant quantity takeoff is now TÜV-certified.
- ▶ The integration of the new legislation of VOB Part C from November 2006 optimized quantity takeoff.
- ▶ For even more accurate results, quantity takeoff in Allplan has been enhanced and refined: dormer side areas, beam side areas and formwork areas for beams, for example, are now also considered separately.

Further information

If you need additional information please contact your local Nemetschek dealer or visit us at our website at:
www.nemetschek.com