

# Allplan BIM 2008 Engineering

## New features since Version 2006



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 BIM 2008 now.



### Ease of use and speed

- ▶ For optimum computing performance e.g. in the case of complex designs, 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 properties palette the drawing area is even larger 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.

### Highlights

- ▶ Decisive improvements in user-friendliness and speed
  - ▶ Faster shell and design planning
  - ▶ Reinforcement technologies consistently enhanced
  - ▶ Structural analysis has become round-trip engineering
  - ▶ Improved interdisciplinary collaboration and simplified administration
  - ▶ Compatible with Windows Vista® and installation also on Apple computers
  - ▶ Current interfaces for 2D and 3D data exchange
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- ▶ 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.
  - ▶ 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 grab the required reference size directly from another component.

## Shell and design drawings

- ▶ With just a few clicks you can generate custom surfaces and shapes, e.g. for three- and four-point canopies, banners, etc.
- ▶ 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. thanks to the new building structure with storey manager.
- ▶ The Allplan components are now better modified to meet the requirements of current trends such as Building Information Modeling (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 such as bending schedules can be used for flexible design and reliable legend display and maintenance directly in the drawing file.
- ▶ 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.

## Modern reinforcement technologies

- ▶ Bar reinforcement, mesh reinforcement, fixtures and many other elements can now be moved and resized more intuitively using handles.
- ▶ Reinforcement design is even more simple and intuitive: instead of requiring different screens, you enter all the relevant parameters at a single point using a property palette. The entries are largely self-explanatory and can be made in graphics or directly in tables. Fast entry accelerates and simplifies work processes.
- ▶ The associative views are now available not only in shell design but also in reinforcement design: this means you can place reinforcement directly. Changes are automatically updated in all drawings.
- ▶ Round components such as circular foundations, walls or ceilings or engineering structures such as digestion towers, silos, water reservoirs, helicopter landing sites or wind power stations can now be reinforced more efficiently: thanks to the new circular, ring and spiral reinforcement.
- ▶ One-sided, double-sided offset and beveled corbel supports can now be reinforced more efficiently: Allplan provides a non-colliding reinforcement proposal.
- ▶ For even more practice-oriented design, special functions for Schöck lugs and Anahütte couplers are now available.
- ▶ You can now determine the planned engineering quantities and the corresponding costs even more exactly: the quantity takeoff now

takes into account components such as steel bars and meshes, formwork and fixtures.

- ▶ Concrete strength classes, steel grades, bending pin diameters, hook and anchorage lengths, offset values and how all these are displayed can now be adapted even more flexibly (scripting language)
- ▶ You can now create your own templates for Allplan lists and Excel spreadsheets.

## Round-Trip Engineering

- ▶ You can now transfer load-bearing components directly from Allplan and use this to automatically generate the structural system in SCIA.ESA PT. In the event of changes to the layout, support is provided by a sophisticated update mechanism. (optional).

## Collaboration and administration

- ▶ You can now import PDF files: lines, texts, pixel bitmap areas and layers are transferred from Allplan for further processing. (optional).
- ▶ 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 recipient can view, rotate,

create sections and display or hide elements of the model using the free Adobe Reader. This helps you simplify communication with building clients and planning partners. Without 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.

- ▶ 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.

### Further information

If you need additional information please contact your local Nemetschek dealer or visit us at our website at: [www.nemetschek.com](http://www.nemetschek.com)