

Allplan 2008

New Features in Allplan 2008

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New Features in Allplan 2008

Requirements for installing and running Allplan 2008

Before you begin, please check that all the computers where you want to install Allplan 2008 meet the minimum requirements.

Hardware requirements

The following table lists the minimum requirements for running Allplan 2008:

Minimum setup

- Intel® Pentium® III or compatible
- Processor with a rate of at least 1GHz
- 512 MB RAM
- 1 GB free hard disk space
- Graphics board, resolution 1280 x 1024
- Floppy disk drive, connection to network or email for installing the license

Note: Up-to-date information on hardware can be found on the Nemetschek website (<http://www.nemetschek.de/info/sys2006>).

Software requirements

Allplan 2008 runs on the following operating systems:

- Recommendation: Windows XP Professional, Service Pack 2
- Windows XP Home, Service Pack 2
- Windows Vista
- Windows 2000, Service Pack 4
- Windows Server 2003, Service Pack 1
- In addition to the operating systems mentioned above, file servers run on the following operating systems:
 - Novell NetWare 6.5 with NetWare Services (Allplan 2008 is the last version to support Novell)
 - Suse Linux 9.1 with Samba server 3.0 based on Reiser file system

Please check the entire network: all workstations must be equipped with one of the operating systems mentioned above.

Notes:

Allplan runs on Apple hardware in conjunction with Intel processor and Windows operating system. Up-to-date information is provided on this website.

(<http://www.nemetschek.de/info/mac2006>)

Installations using other operating systems than the ones stated above are not tested (for example, other Linux versions, HP-UX or MacIntosh). Please note that Allplan 2008 does not run on these operating systems. We do not provide any support for these types of installations.

Interoperability

Importing 2D PDF Data


A new option has been integrated into Allplan allowing all users to import 2D PDF data to documents:

- **Import** on the File menu
- **Import** in the Plot Layout module

Detailed information on importing PDF files is provided in the online Help.

Exporting 2D PDF Data

There are different options for saving Allplan data as PDF files:

- **Export** on the File menu
Detailed information on exporting PDF files is provided in the online Help.
-  **Print Preview** in drawing file edit mode
Detailed information on the print preview is provided in the online Help.

Navigation and usage have also been improved:

- Files can be appended to existing files
- Allplan layers can be transferred as PDF planes
- Printing can be locked
- Detailed information on the Export PDF File dialog box is provided in the online Help.

Exporting 3D PDF Data

You can save Allplan models as 3D PDF files straight from the Allplan animation window. Allplan uses the same procedure as Adobe does.

Acrobat Reader 7 and higher lets you display the data in 3D.

PDF files can also be edited in Adobe Reader (measuring, redlining or setting sections).

This tool optimizes communication with clients.



Detailed information is provided in the online Help.

DWG/DXF/DGN Interface


- DWG, DXF and DGN files can be inserted as XRefs (using **Insert - Custom XRef**).
- RGB fills can be created during import
- **Color=pen** option (in **AutoCAD specific tab**)
- Correction factor for layout unit (in **AutoCAD specific tab**)
- Exporting/importing pixel areas:
 - DWG + referenced bitmap is created when pixel areas are exported
 - When DWG + bitmaps are imported, bitmaps are not imported as bitmaps but as pixel areas

Archiving layouts using DocuWare

The special interface to DocuWare is no longer available in Allplan 2008. Now you need to use Tiffmaker to archive documents in DocuWare archives.

As a result, the DocuWare-specific settings in the  **Plot Layouts** and  **Archiving** tools, in ProjectPilot and in the export options are no longer available.

Print plotfiles and archives

You need to use Nemetschek drivers to output plotfiles and archives using the  **Print Plotfiles and Archives** tool. If you have not defined an output channel in the **Services** application, the program will issue an appropriate message when you select this tool.

Import CINEMA 4D XML Data

CINEMA 4D release 10.5 and higher includes a new option you need to enable in order to import C4D XML files to Allplan:

Program defaults - Document - Save polygons for melange exchange

Note: In CINEMA R9.5 you can still import XML files by dragging and dropping.

Ease of Use

Free-Floating or Docked Pallets with Flyouts

The most important new feature of Allplan's graphical user interface is the new pallets, which are always available:

- Properties pallet
- Tools pallet
- Modules pallet
- Wizards pallet

Detailed information is provided in the online Help.

Configuration pallets

Wizards

- Wizards can be grouped
- Several Wizards can be displayed in a pallet. You can specify how tabs are arranged using **Customize** on the **shortcut menu**.
- Wizards can be saved as *.nas files using **Save Copy As**.
- Wizards can be saved as *.nas files with resources using **Save Copy As**.

Drawing Types, Linestyles, Area Styles

- Area styles, linestyles and drawing types can be arranged in groups.
- The **NONE** drawing type can be selected in the status bar.
- New default drawing types are available for engineering.

Folders for Saving Files

You can use **Save in** in the **Global Options, Settings** tab, to specify any folders where Allplan data is to be saved as usual in most MS Office programs. These folders are automatically selected in the **Save** dialog box appropriate to the file type you want to save. Of course, you can change these folders at any time.

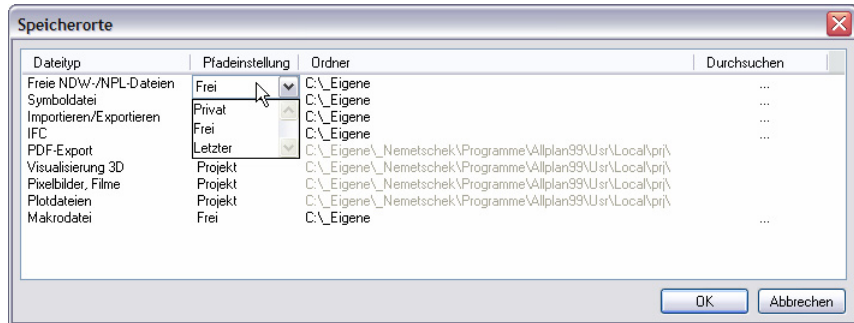
You can specify folders for the following file types (File type column):

- Custom NDW/NPL files
- Symbol files
- Import/export
- IFC
- PDF export
- 3D representation
- Bitmaps, movies
- Pixel files
- Plotfiles
- Smart symbol files

You can set the following folders in the Path column:

- **Project** (for the current project)
- **Private** (for the private project of the user)
- **Custom** (any path can be selected)
- **Last** (the last path selected)

The default setting is displayed in the **Folder** column.



Selection Preview and Element Info

Selection preview

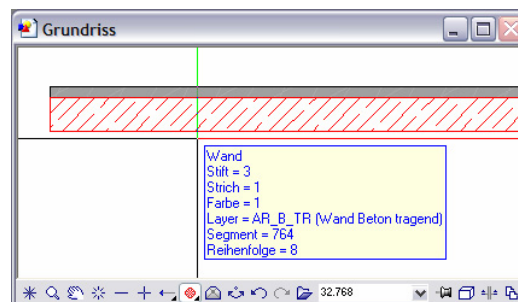
Information on position and extents of elements is always at hand. All you need to do is point to an element and a preview of the element appears as if you selected it.

Element info

The element type and properties are displayed attached to the crosshairs when you move the mouse to an element - that's all you need to uniquely identify elements!


You can display the following elements:

- Element name
- Pen, line, color, layer
- Sequence, group




This makes things easier and helps you avoid errors without additional efforts.

Hiding Construction Lines using Show/Hide

All the elements displayed in the construction line color can be hidden centrally using  Show/Hide.

This way, you can quickly and easily display the screen contents without construction lines, which is useful for checking the layout or print preview or making screenshots.

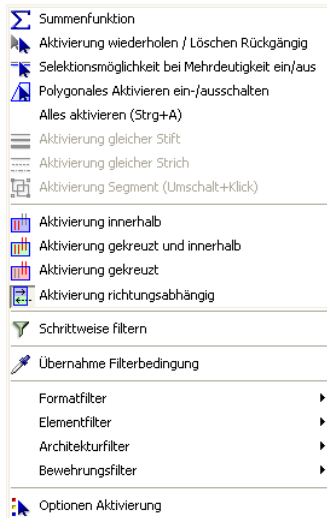
Show/hide center of circles

Centers of circles and ellipses can be shown and hidden using  Show/Hide.

By default, the centers of circles are not displayed.

Shortcut Menus for Selecting Elements and Entering Points Work in the Same Way

When modifying components, you can quickly and easily show all functions available for element selection as you would when entering points. All you need to do is press CTRL and click in the workspace with the right mouse button.



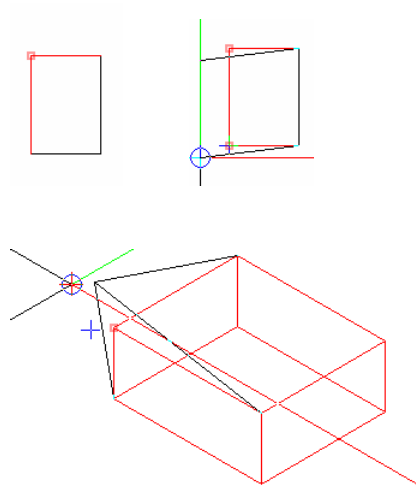
You no longer need the Filter Assistant toolbar. You can switch it off to free up space on screen.

Filter Step by Step, Hatching Number, Pattern Number

Stretch Entities Displays the Points Selected

All the points you select in the  **Stretch Entities** tool are marked by symbols both in 2D and 3D. These symbols are similar to handles.

This provides a safe and intuitive way of modifying elements as you can see which points are affected right from the start.



New Tool for Replacing Layout Elements


Batch Plot with Windows Drivers

New Dialog Box for Assigning Colors and Pens when Plotting

Retain plot settings

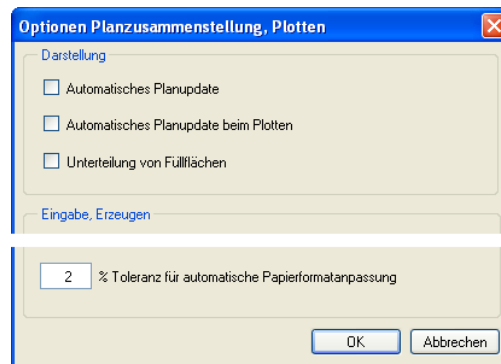
In previous versions, the output device or paper format was automatically reset to its default if this setting, which was saved together with the relevant layout, was not available when you

opened this layout using Windows drivers. Allplan 2008 includes the following improvements:

- The program does not check the availability of the output device and paper format saved in the layout until you activate the  Plot Layouts tool. This way, the process of switching to the layout editor has been accelerated considerably even when the output device or paper format saved in the layout is not available.
- If the output device saved in the layout is not available, the program displays a dialog box where you can specify which device you want to use.
- If the paper format saved in the layout is not available, the program attempts to find an identical format with a different name.

If this attempt fails, the program selects the next larger paper format. If the resulting larger printable area is within a specific tolerance range, which you can define as a percentage in the Plot Layout module's options, the program will use this paper format without prompting you. Otherwise, you can specify which format you want to use in a dialog box.

Note: When the program uses a new paper format without prompting you, the original format is still saved together with the layout and used for plotting if it is available again.



Plot/Close instead of prompt

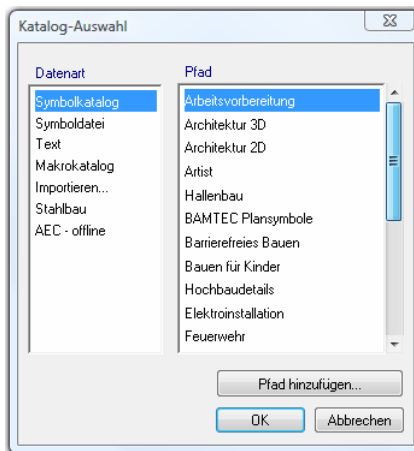
The prompt **Would you like to start plotting?** has been replaced by the following two buttons: **Plot** and **Close**. Now you can proceed as you would in any other Windows application:

- Clicking **Plot** saves the settings and starts the plot operation. This is equivalent to clicking **OK** and choosing **Yes** at the prompt.
- Clicking **Close** saves the settings, However, the plot operation does not start. This is equivalent to clicking **OK** and choosing **No** at the prompt.

New Catalogs Are Immediately Visible to All Users


Making workgroup use easier:


New catalogs are immediately visible to all users.




Measuring Tools Can Be Activated Separately


The

 Measure Length



 Measure Coordinates

 Measure Angle

 Measure Volume

 Measure Area

are available as separate tools.

You can use **Tools - Customize - Additional tools with icon** to integrate these tools in a toolbar or to assign a shortcut key. The  Measure Length and  Measure Coordinates tools are included in the **Standard** toolbar with certain default configurations (e.g. Tools pallet configuration).

Draft, Layout, Design

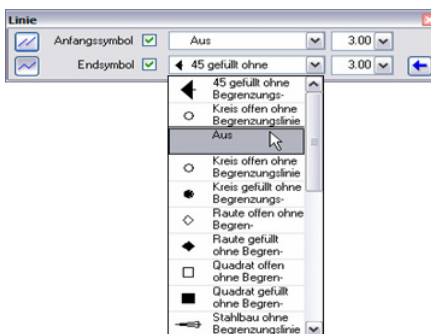
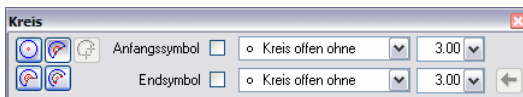
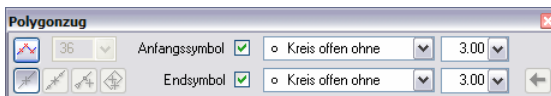
Advanced Dialog Boxes for Lines, Polylines and Circles

Advanced dialog boxes are available for lines, polylines, circles and other 2D design entities.

Now you can

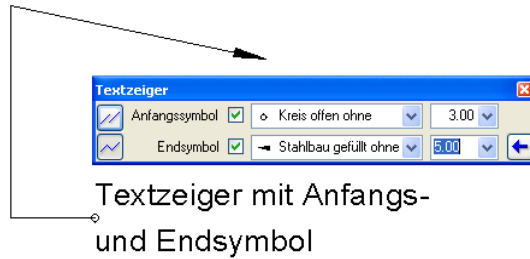
- specify the type and size of a start symbol
- specify the type and size of an end symbol
- undo your actions step by step
- and lots more!

For example, a line becomes an "arrow" and a polyline changes to a "chain" - new options open up for layout design (e.g. flow charts).



Leaders with symbols at start and end

The same options are provided for leaders as for lines: you can apply symbols (e.g. arrows) to the start and end of leaders. There are also two new options for discrete lines and polylines.

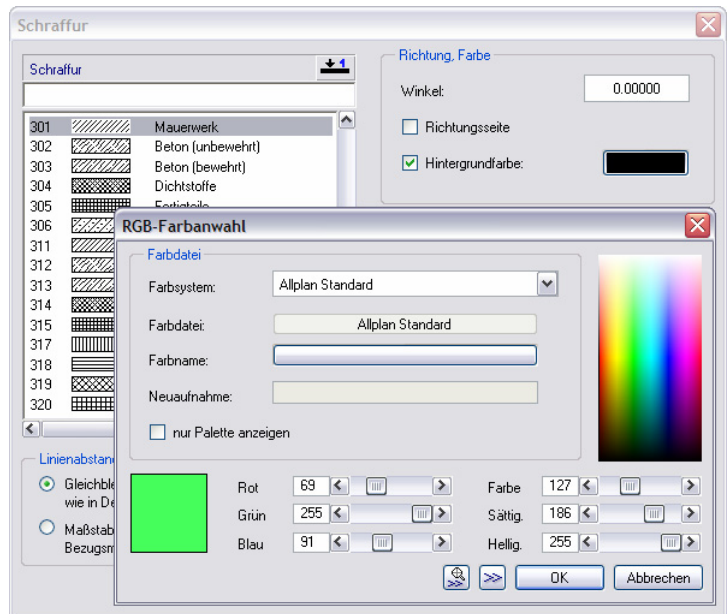


RGB Background Colors

The entire RGB color palette including more than 16 million colors is available for hatching styles, patterns, and pattern lines.

You can


- match colors from existing elements or bitmaps using the "magnifier"
- use all Allplan color systems



This allows you to enhance layouts as you can select any background color for hatching styles and patterns.

Aligning and Arranging Elements


Two new Allplan tools, which work in the same way as the tools for text and elements in lists/schedules, provide additional support as you align and arrange design entities.

 **Align** provides the following options:

- Left-aligned, right-aligned or aligned with the top or bottom
- Vertically-aligned, horizontally-aligned, centered



Detailed information on aligning is provided in the online Help.

 **Arrange** provides the following options:

- Horizontal with four options
- Vertical with four options




Detailed information on arranging is provided in the online Help.

All design entities can be aligned and arranged; you can even apply these two functions to different elements.

This makes layout design in Allplan even easier!

Trim Option Available for Intersect 2 Entities

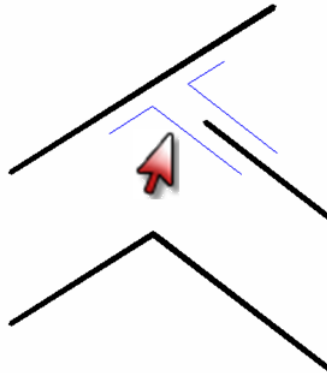
The  **Intersect 2 Entities** tool allows you to trim the second element at the same time.

Click **Trimming** in the Input options.




Allplan presents a preview of all suitable trim options; all you need to do is click the option you want to use.

Detailed information on intersecting two entities is provided in the online Help.



This way, you can intersect two entities and trim the second element in a single step, which speeds up the 2D design process.

Resizing with Reference Length


The  Resize tool lets you take the reference length directly from another component.

You enter the resizing factor by clicking in the workspace or by entering two lines - the **reference length** and the **new length** - as numerical values. The program calculates the resizing factor based on the ratio of **new length** to **reference length**. All dimensions of the selected elements are multiplied by this factor.

This function helps you accomplish your tasks more quickly and also assists users who previously worked with AutoCAD or ADT.

Detailed information on resizing is provided in the online Help.


New Tool for Deleting Duplicates

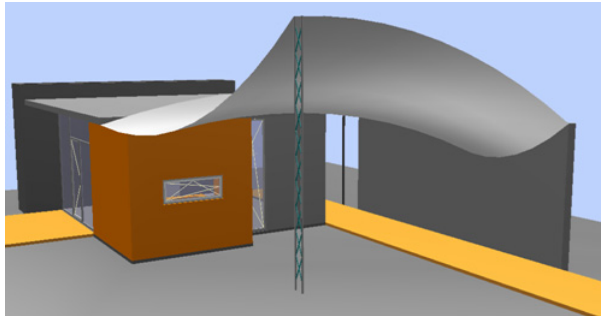
The new  **Delete Duplicates** tool detects duplicate elements and deletes one element.

If you inadvertently copied two identical data records to a document, you can quickly and easily eliminate the duplicate data record.

Detailed information on deleting duplicates is provided in the online Help.

Four-Point Tent

You can use  **Three-Point Tent, Four-Point Tent** to create any area between three or four points. The parameters specifying how these elements are to be divided in the longitudinal and transverse directions are user-definable. You can also make settings for deformations.



This tool lets you create any area and solid in an easy and comfortable manner.


Detailed information on three-point tents and four-point tents is provided in the online Help.

Symbol Catalogs

Planned for V2008:

- Improved 2D symbols; new, current look & feel
- Groups allowing you to place furniture more quickly
- Trees, persons (freehand) created by a designer
- Current cars (BMW, Audi, VW and Mercedes Benz) in 2D, all views and 3D
- New textures, photos of trees and persons

Bitmap function on Insert menu no longer required

Bitmaps can be placed quickly and easily in documents (drawing files and custom NDWs) using the  **Bitmap Area** tool, which is included in the **Draft** module and **Insert** menu, for example.

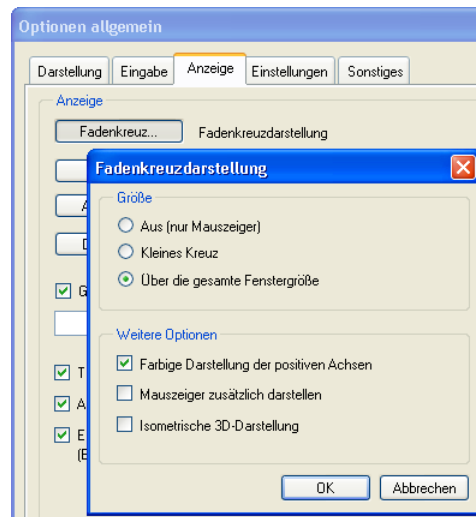
Therefore, the **Bitmap** tool on the **Insert** menu is no longer required.

For more information please consult the chapters **Bitmap area** and **How to insert bitmaps** in the online Help.

New display options for crosshairs

To ensure optimum usage, Allplan provides new options for displaying the crosshairs.

- You can disable the crosshairs to improve performance with terminal servers.
- The mouse cursor can be displayed in addition. This can be useful if the crosshairs are not clearly visible due to gray fills, for example.



Working with the building structure

Basics

What is the building structure?

The building structure is an additional option to apply a logical structure to a building. For example, it makes data exchange via IFC easier.

Sections, views and lists can be derived directly from a building structure.

Advantages of the building structure

Views, sections and lists can be generated quickly.

Source drawing files and target drawing files are saved; you do not need to give any thought to which drawing files should be activated.

Creating the project structure

The following three levels are provided:

- Structure
- Building
- Floor level

Notes:

- You can drag and drop levels into the **Project Structure** area on the left.
- When you drag a new level into the **Project Structure** area, it is attached below the level where the cursor is positioned when you release the mouse button.
- When the hierarchical level has been placed, you can assign it a name or accept the one proposed by the system.
- You can also change the name later. To do this, click the level and type a name.
- To delete levels from the hierarchy, drag them out of the **Project Structure** area and release the mouse button. You cannot delete a level without deleting any subordinate levels it may have.
- Levels in the hierarchy may only be used in their hierarchical sequence. For example, you cannot place a building structure below a floor level. To generate a correct file IFC-compliant file, you should always use the **Building** structural level – even when you want to export a floor level only. This is the only way to ensure that the data is assigned correctly in the destination system.

Modifying building structures

Quickly creating a building structure using the plane manager

Behavior of building structure in workgroup environment

Each user can modify the building structure. If several users modify the building structure at the same time, an icon is displayed. You can save your own changes as a conflict document.

The plane manager can only be opened by one user at any one time. If another user has already opened the plane manager, a ToolTip with the user's name is displayed.

The building structure is saved as a XML-format file in the project folder. If several users are modifying the building structure at the same time, the changes are saved as conflict documents (*.conflict).

Without workgroup

With workgroup

Building structure - fileset structure

You can use the building structure and the fileset structure in parallel manner. The drawing file status can be set in the fileset structure and in the building structure; these two settings are independent of each other. The drawing files are activated depending on which of the two tabs is active when you close the dialog box.

Important difference: a drawing file can only be assigned once in the building structure.

Brainstorming

A building structure can consist of five predefined structural levels as well as any structural levels that can be placed freely in the tree structure.

The building structure is saved as a XML-format file in the project folder.

The drawing files can be placed at any level (e.g. the drawing file with the plot is assigned directly to the site; the drawing file with the chimney (which is not limited to a single story) is assigned directly to the building).

Important: as opposed to filesets, a drawing file can only be placed in the tree structure once.

Five predefined structural levels are provided:

- Site
- Structure
- Building
- Story
- Sub-story

Predefined means that

A superordinate node cannot be below a subordinate node (for example, a structure must be superordinate to a building and a building must be superordinate to a story). However, nodes can be left out (for example, a building can be subordinate to a project; even a story can be subordinate to a project).

Predefined structural levels can also be named freely. The program still knows which levels are concerned.

In addition, any structural levels can be used.

These custom levels can be placed freely in the tree structure, i.e. between (superordinate/subordinate to) predefined nodes. You can also assign drawing files and user-defined names to these custom structural levels.

Please note that custom levels cannot be placed at the same hierarchical level as predefined nodes as this would lead to problems during import/export.

Tips


Selecting structural levels

Clicking a check box activates the relevant node and all subordinate nodes.

Clicking a check box while pressing the CTRL key only activates this node. Subordinate nodes are not activated.

Dialog boxes


'Open on a project-specific basis: files and filesets' dialog box, building structure tab

You can create and modify a building structure in the **Open on a project-specific basis: files and filesets** dialog box, **Building structure** tab. To access this dialog box, click  on the **Standard** toolbar.


Building structure (left pane in dialog box)

In the tree view, the current building structure is displayed with structural levels and assigned drawing files. You can sort the view so that entries are displayed in ascending or descending order by clicking the column head. In this view, you can make drawing files

current and open them in edit or reference mode. For more information, see Drawing file status.

 **Expand selected entries**


Expands the view so that all subentries of the selected node are displayed.

 **Collapse selected entries**

Collapses the view so that only the superordinate nodes are displayed

 **Update**


Updates the display of the filesets and drawing files or of the building structure (for example, after the building structure has been modified by another user).

 **Plane manager**


Opens the plane manager.

 **Insert predefined structural levels**

Opens a window from which you can drag and drop predefined structural levels into the building structure. Click this icon again to close the window.


 **Insert any structural levels**

Opens a window from which you can drag and drop any structural levels into the building structure. Click this icon again to close the window.

 **Assign drawing files**

Opens a window from which you can drag and drop drawing files into the building structure. This way, you can assign drawing files to structural levels. Drawing files that have already been assigned to a structural level are marked with ????. You can also see which drawing files are in use as they are marked with ???.

 **Import data again**

Imports the drawing file status you saved last in the `Structure_Settings.xml` default file using  **Save**.

 **Save**

Saves the current drawing file status of the building structure in the `Structure_Settings.xml` default file.

/ **Mark locked drawing files, filesets on/off**

Specifies whether locked drawing files and filesets (i.e. drawing files and filesets opened by another user) are marked with a symbol or not. The name of the user is displayed when you click **Properties** on the shortcut menu. This option is only available when workgroup is installed.

Options

You can use this tool to make basic settings for the **Open on a project-specific basis: files and filesets** dialog box. For example, you can specify the size of the icons. For more information, see **Options**.

'Select file' dialog box

You can select drawing files in this dialog box. You can use the buttons at top left to define how the drawing files are displayed in this dialog box: they can be arranged by building structure, object derived from the building structure (views, sections) and by drawing file/fileset.

Drawing file/fileset

Sorts and displays the drawing files by fileset. In addition, all available drawing files are displayed under **All drawing files**.

Derived from building structure

Sorts and displays the drawing files by object derived from the building structure (e.g. sections).

Building structure

Sorts and displays the drawing files by building structure.

The selection of drawing files can be saved as a favorite. When you select a superordinate node, all subordinate drawing files are automatically included.

'Restrictions of building structure' dialog box

You can use this dialog box to specify which structural levels and drawing file assignments can be used in the building structure.

Permissible structural levels

Select the structural levels that can be used in the building structure.

Permissible drawing file assignments

Select the structural levels that can be assigned drawing files.

IFC-compliant structure

Clicking this button only selects the structural levels and drawing file assignments that are in compliance with IFC.

Any Allplan structure

Clicking this button selects all structural levels and drawing file assignments.

'Layer setting, layer set' dialog box

You can use this dialog box to specify which layers of the source drawing files are to be included.

Elements from source drawing files

Use current layer setting

Includes the layers as currently defined.

Include all layers

Includes all layers, regardless of the current layer setting.

Use layer set

Includes the layers as defined by the current layer set. This setting requires a layer set. If there is no layer set, this setting is not available.

'Behavior of drawing files' dialog box

You can use this dialog box to specify how elements that are independent of default reference planes behave when default planes are assigned.

Transfer information from planes to all drawing files of the structural level

This option is available when you assign planes to a structural level. When this option is active, the selected height is assigned to the default planes of all drawing files subordinate to the structural level. When this option is not active, the selected height is only assigned to the structural level; the height of the default planes in the drawing files does not change.

Also move elements whose height is fixed (absolute elevation, stairs) in z direction

Also move plane model-independent planes and roof planes in z direction

Move by delta Z

'Select list and settings' dialog box

Select list

You can use this to specify whether you want to create a general quantities schedule or a floor space schedule. Then click the button with the list to select a list for output.

Output

You can use this to specify how the list is to be output:

- To Screen / printer
- To File / transfer to (click the button with the name of the file to specify a destination path and name for the file).
- As a file for any program to be activated subsequently (click the button below to specify a program)

'Create / extend building structure' dialog box

You can use this dialog box to create and modify building structures.

Assign drawing files

When you activate this check box, drawing files are assigned to the individual structural levels. When this box is not checked, only the building structure is created. Drawing files are not assigned.

First drawing file

Specify the drawing file number at which the structure is to start.

Increment

Specify the number of drawing files that are created per structural level.

Structural level

The structural levels that are created are displayed.

Name

You can enter a name for the structural level.

From file / To file

You can specify the first and last drawing file number of the structural level.

Add views

When you activate this check box, views are automatically assigned to the building structure.

Add sections

When you activate this check box, sections are automatically assigned to the building structure.

First drawing file

Specify the drawing file number at which the assignment of views and/or sections is to start.

Increment

Specify the number of drawing files that are created per structural level.

'Insert pair of planes' dialog box

How to ...

Create building structure

Creating a building structure using the Wizard

Creating a building structure manually

To create a building structure

- 1 Click the structural level *behind* which you want to insert a new structural level with the right mouse button, and on the shortcut menu, point to **Insert structural level** and click the desired level. The shortcut menu only presents structural levels that can be inserted at the position you specified.
-

Modify building structure

Move drawing files to a different structural level

- Use drag and drop or **Cut and Add below** on the shortcut menu.

Move structural level (level stays the same)

- Use ALT+drag and drop or **Cut and Add behind** on the shortcut menu.

Insert new structural level

- Use the shortcut menu of a structural level (only structural levels that can be inserted at the position you specified are presented).
- On the menu: opens a window. You can drag and drop structural levels from this window into the building structure. Structural levels that cannot be used due to restrictions are crossed out with a red line.

Extend building structure

Strukturstufe kopieren

To copy a structural level

- 1 Click **Copy** on the shortcut menu of the structural level you want to copy and then click **Add behind** on the shortcut menu of the structural level *behind* which you want to insert the copy.




Or:

Press and hold down the CTRL+ALT keys while dragging and dropping the structural level you want to copy onto the structural level behind which you want to insert the copy.

- 2 You can specify the drawing file number at which the program is to start inserting the copied drawing files into the new structural level or click **Insert structural level without drawing files** if you want to copy the structural level without drawing files.

Assign drawing files to structural level

There are two ways to assign drawing files to a structural level:

-  **Assign drawing files** on the menu bar.
You can select drawing files in the **Assign drawing files** dialog box and drag and drop the selected files into the tree view. Drawing files that have already been assigned are marked with ; drawing files that are in use are marked with . Clicking **Show selected drawing files** on the shortcut menu displays the drawing files currently selected.
- **Assign drawing files...** on the shortcut menu of the structural level.
You can enter drawing file numbers as follows:
 - Enter the numbers of individual drawing files separated by blank spaces, e.g. 10 2 19.
 - Enter a range of drawing files separated by hyphens, e.g. 10-19.

You can also combine these two options (e.g. 10 12 14-19 21).


Assign planes to structural level/drawing files


You can assign planes to a structural level and to individual drawing files. The height of the planes is displayed in the dialog box; however, the height of the planes assigned to the individual drawing files is only displayed when it differs from the height assigned to the superordinate structural level.


Save drawing file status


You can save the current drawing file status in the building structure as a favorite. The status set for the building structure and that defined for objects derived from the building structure is saved separately on a user-specific basis in one xml-format file in the `BIM\user\settings` folder.

On the menu bar:

 **Save on the menu bar**: saves the current drawing file status of the building structure in the `Structure_Settings.xml` default file.






 **Save on the menu bar**: saves the current drawing file status of the objects derived from the building structure in the `View_Settings.xml` default file.

 **Save on the shortcut menu of the project**: saves the current drawing file status in any file.


 **Load favorite on the shortcut menu of the project**: loads the current drawing file status from any file.

Create lists in a building structure

To create a list in a building structure




- 1 Click  **Lists** with the right mouse button, point to **Insert structural level** on the shortcut menu and click  **List**.
- 2 Select the source drawing files for the list. Click  **List** with the right mouse button, point to **Source drawing files for list** on the shortcut menu and select the desired drawing files in the **Select file** (See "'Select file' dialog box" on page 29) dialog box.
- 3 Specify which layers are to be taken into account for list generation. Click  **List** with the right mouse button, point to **Layer setting, layer set** on the shortcut menu and select the desired setting in the **Layer setting, layer set** (See "'Layer setting, layer set' dialog box" on page 30) dialog box.
- 4 Select a list. Click  **List** with the right mouse button, point to **Select list and settings** on the shortcut menu and select a list in

the **Select list** (See "'Select list and settings' dialog box" on page 31) dialog box.

- 5 Create the list by clicking  **List** with the right mouse button and selecting **Create list** on the shortcut menu.

Create lists in a building structure

To create a view in a building structure

- 1 Click  **Views** with the right mouse button, point to **Insert structural level** on the shortcut menu and click  **View**.
- 2 Select the drawing files where the views are to be saved. Click  **View** with the right mouse button, point to **Assign drawing files** on the shortcut menu and enter the numbers of the drawing files. You can only select drawing files that are not used in the building structure.
- 3 Select the source drawing files for the view. Click the drawing file where the view is to be created with the right mouse button, point to **Source drawing files for view** on the shortcut menu and select the desired drawing files in the **Select file** (See "'Select file' dialog box" on page 29) dialog box.
- 4 Specify which layers are to be taken into account for view generation. Click the drawing file where the view is to be created with the right mouse button, point to **Layer setting, layer set** on the shortcut menu and select the desired setting in the **Layer setting, layer set** (See "'Layer setting, layer set' dialog box" on page 30) dialog box.
- 5 Make settings for the view. Click the drawing file where the view is to be created with the right mouse button, point to **View settings** on the shortcut menu and make settings in the **Settings for hidden line images** dialog box.
- 6 Create the view by clicking the drawing file where the view is to be created with the right mouse button, pointing to **Generate view** on the shortcut menu and selecting a view.

Select drawing files

If you want to select several structural levels, for example, click to the right of the first structural level and open a selection rectangle. Only structural levels of the same hierarchical level are selected.


You can select drawing files by clicking the drawing file number or name. You can also press and hold down the left mouse button and open a selection rectangle.

- To select a single drawing file, click it.
- To select a series of non-adjacent drawing files, press and hold down the CTRL key and click the drawing files.
- To select a range of drawing files within the same structural level, click the first drawing file in the range, then press the SHIFT key and click the last drawing file in the range at the same time. Only drawing files of the same structural level are selected.
- To select a range of drawing files from several structural levels, click to the right of the first drawing file and open a selection rectangle without releasing the mouse button.

Change drawing file status (in building structure)

With the drawing file status, you define the drawing file on which you draw and which drawing files are visible and/or can be modified. For more information, see Drawing file status.

To change the drawing file status

- 1 Click  **Open** on a project-specific basis (How).

Tip: You can also double click with the left mouse button in the workspace.

- 2 Select the **Building structure** tab.
- 3 Select (see "Select drawing files" on page 38) the drawing files (in tree view) whose status you want to change.
- 4 Define the drawing file status in one of the following ways:
 - Click the selection with the right mouse button and select the drawing file status on the shortcut menu.
 - Click one of the three columns.
 - Make use of the space bar. Every time you press the space bar down, the selected drawing files are given a selection status: Off – open in reference mode – open in edit mode – active (the drawing file you select last becomes active, the other ones are opened in edit mode). If a drawing file cannot be **open in reference mode** (if the drawing file in question is empty and does not have a name), this status is skipped.

Architecture

Building Information Model BIM

Introduction

Components

Advantages

Component-oriented building model

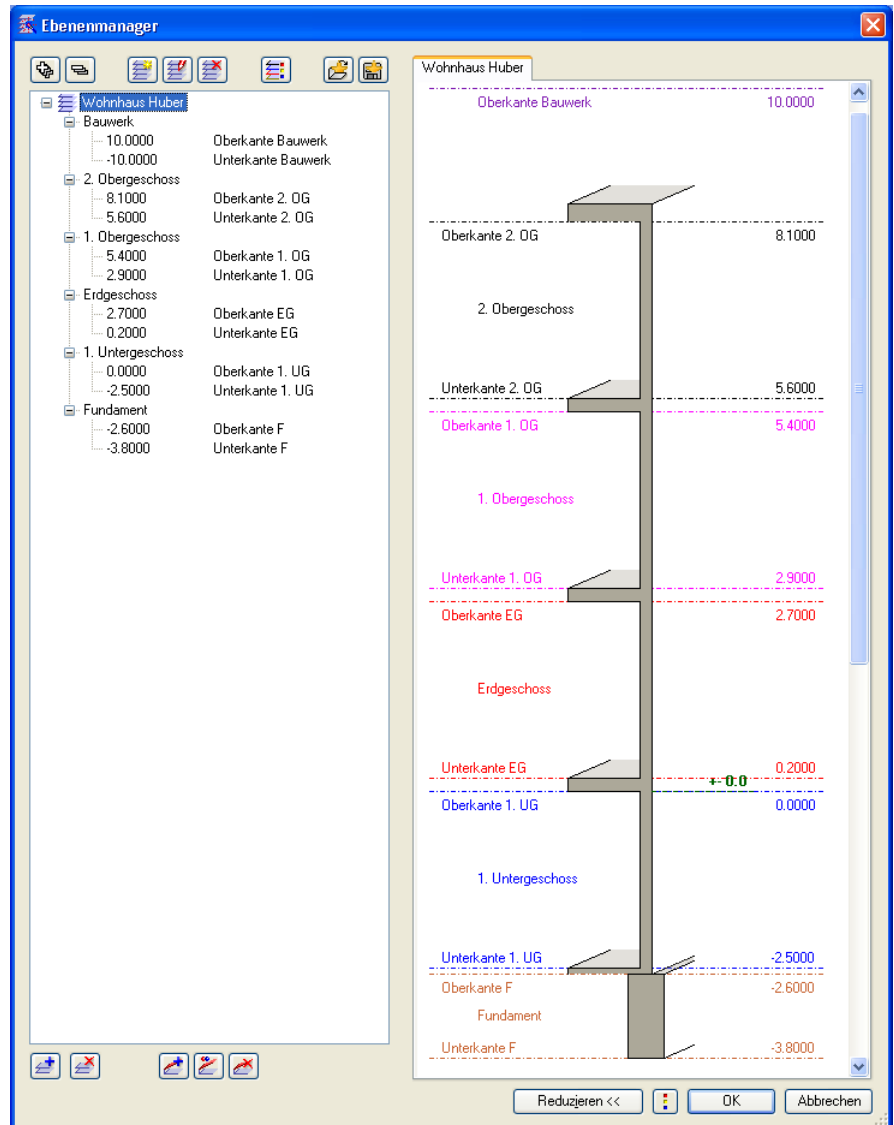
- New building structure
- New plane manager
- New Wizard for models
- Views, sections, lists/schedules can be derived
- Simplified definition of smart symbols
- Multi catalog selection for integrated solutions
- Railing design (handrails, railing, parapets, fences etc.)

From 2D design to component-oriented building models

- Opening design using 2D smart symbols
- Dynamic lists/schedules for rooms and groups of rooms

Plane Manager and Model Wizard

- You can use the Plane Manager to create building structures.



- The Model Wizard creates the necessary pairs of planes.

Modell neu

Modellname: Modell neu

Anzahl der Geschosse über ±0.00: 3

Anzahl der Geschosse unter ±0.00: 1

Höhenkote OK Boden EG roh: 0.2000

Höheneinstellungen

Geschosshöhe OK-UK Decke roh: 2.5000

Deckenstärke: 0.2000

Stärke der Bodenplatte: 0.1000

Höhe der Fundamentierung: 1.2000

Maximale Höhenkote abs. des Bauwerks: 10.0000

Minimale Höhenkote abs. des Bauwerks: -10.0000

Bauwerksstruktur

Bauwerksstruktur anlegen / ergänzen

OK Abbrechen

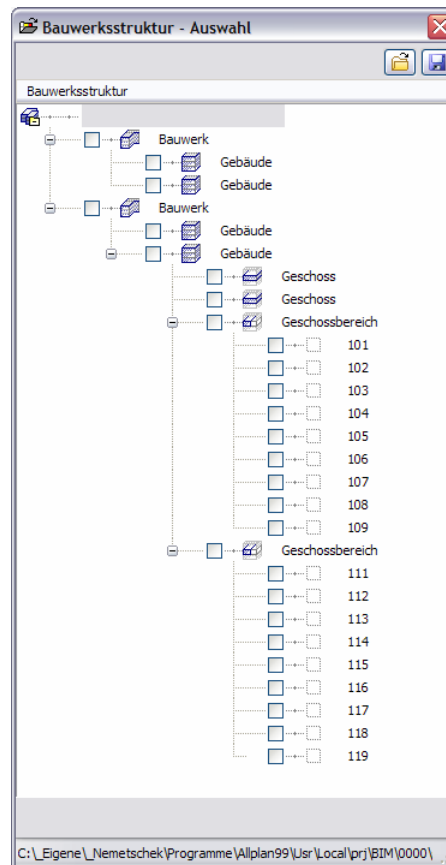
- In addition, default planes for roofscapes are possible.

Allplan provides all the tools you need to set up projects for component-oriented design using planes, stories, structures and drawing files. You do not need in-depth knowledge; a few clicks are sufficient.

New Building Structure

- Setting up a project structure quickly and easily
- Structure is created by plane manager
- Predefined and custom structures can be added
- In compliance with IFC and Allfa Views
- Parts of models can be combined as desired
- Drawing files can be assigned as desired

Building structure is used for organizing drawing files

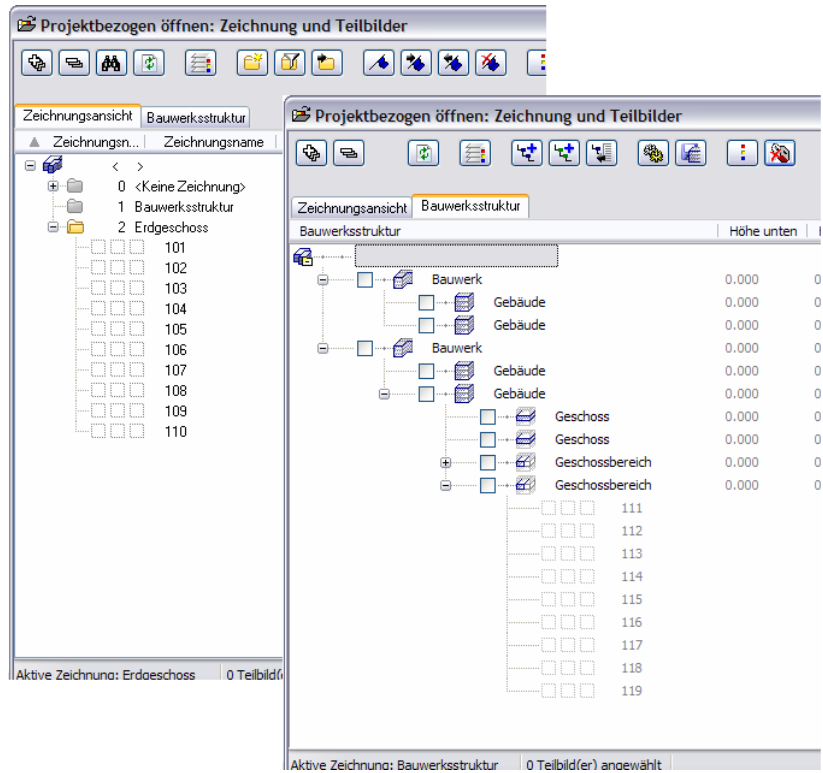


Structuring data based on the topological structure of a building reflects the approach of designers.

Building structure and drawing files/filesets

Concurrent use

- of the drawing file/fileset structure
- of the new building structure
- within a product and project

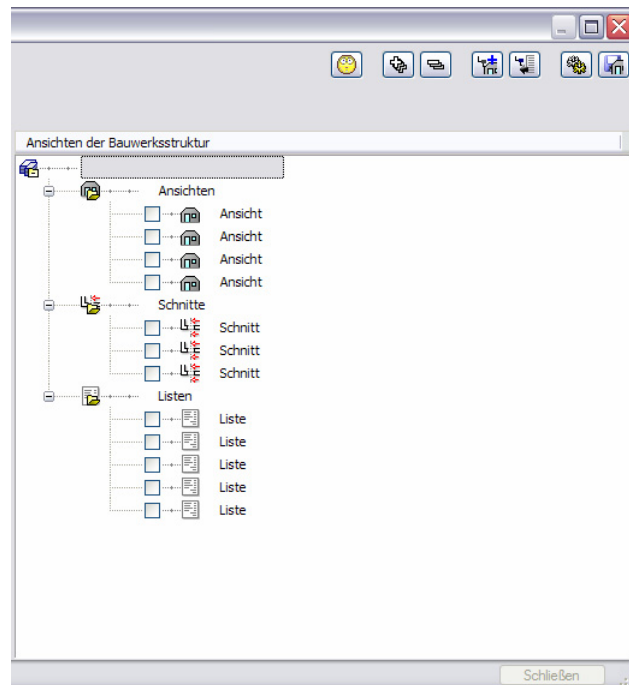


The concurrent use of drawing files/filesets as well as plane manager and building structure facilitates a smooth transition from 2D and 3D to component-oriented building models (with or without Design2Cost).

Objects Derived from Building Models

- Views
- Sections
- Lists/schedules

These objects derived from building models are created semi-automatically.



You do not have to go through the time-consuming process of generating these objects manually.

Create new building structure, approach

Creating and saving a new building structure involves the following steps:


- Getting ready: basic settings
Define reference scale and units (See "Basic settings" on page 46) (these settings are also used for the building structure)
- Define structural levels for building structure (See "Define structural levels" on page 48)
- Associate the individual stories with the default reference planes using the plane manager (See "Plane manager: stories and heights" on page 51)
- Name drawing files (on page 59)

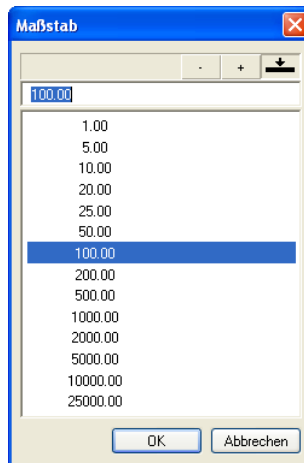
Basic settings

Before you create the building structure, make settings for the reference scale and unit of length.

Start by setting the reference scale to 1:100.

To set the reference scale

- 1 On the View menu, click  Reference Scale.




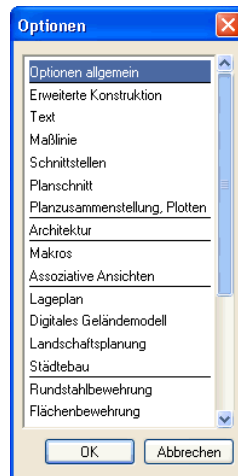
Tip: Alternatively, you can set the scale in the status bar: click to the right of scale and select 1:100.

- 2 Click 100.00 in the Scale dialog box.

Set the unit you want to use to enter values. The values are to be interpreted in meters.

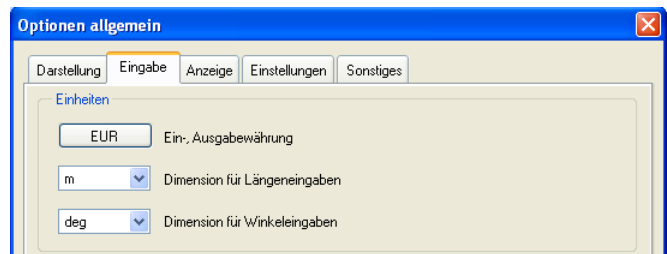
To set units

- 1 Click  Options (Standard toolbar) and select Global Options in the dialog box.



Tip: Alternatively, you can set the unit in the status bar: click to the right of length and select m.

- 2 Select the Entry tab and click m in the Units of length list box.



- 3 Click OK to confirm the settings.
-


Define structural levels

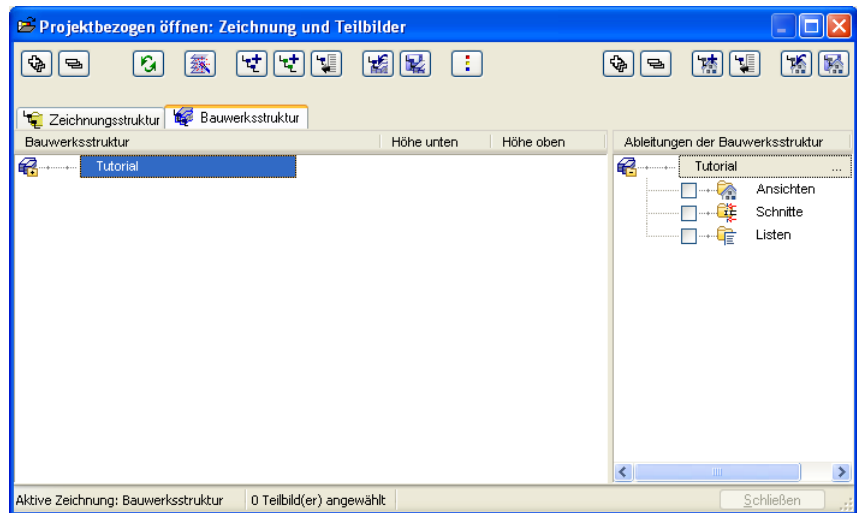
You should define the structural levels of the building structure so that they are suitable for the building you want to design. It is often a good idea to use stories and layer sets for organizing projects.

First create a building structure in the project by defining different structural levels.

In this example, we will use the structural levels **Building** and **Story**.

To define structural levels

- 1 Click  Open on a project-specific basis.
- 2 Select the **Building** structure tab.

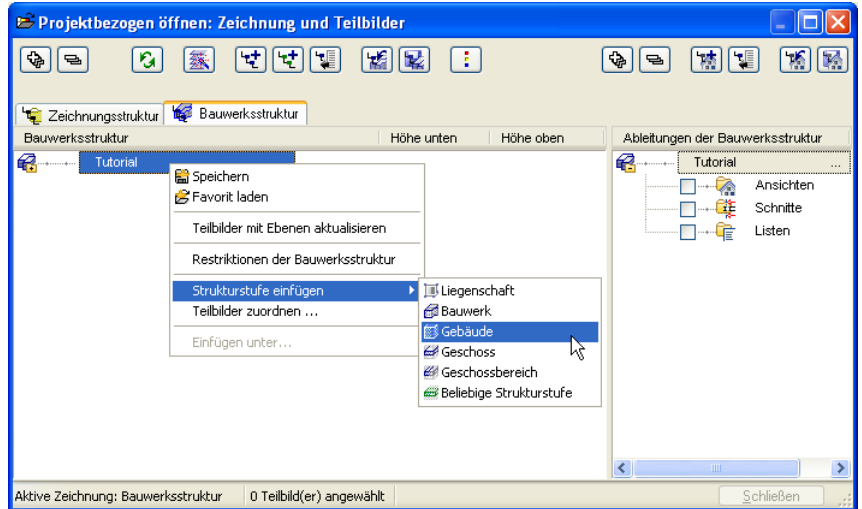


3 Click "project name" with the right mouse button and select **Insert structural level** on the shortcut menu.

Five predefined structural levels are provided for creating a building structure:

- Site
- Structure
- Building
- Story
- Sub-story

In addition, you can insert custom structural levels.

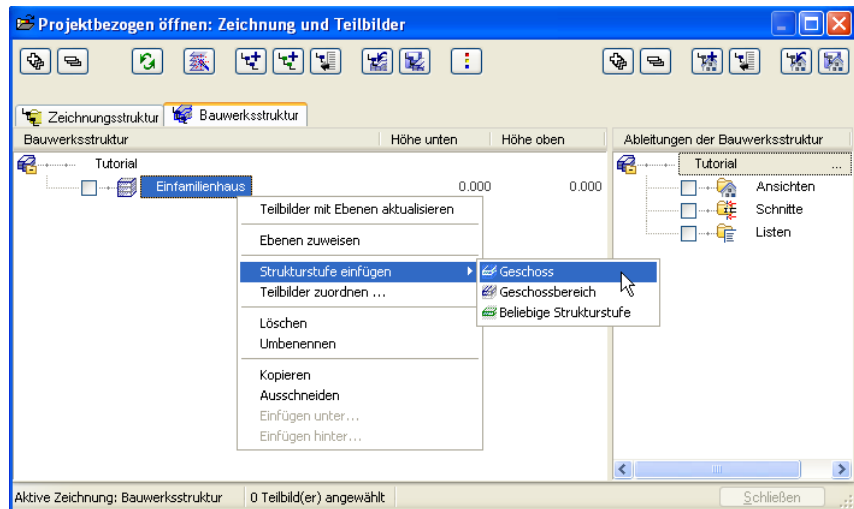


4 To define structural levels, do the following:

- Use the shortcut menu to select the structural levels you want to use one after the other.

or

- Choose **Restrictions of building structure** on the shortcut menu.
Uncheck the boxes for **Site**, **Structure**, **Sub-story** and **Any structural level**.





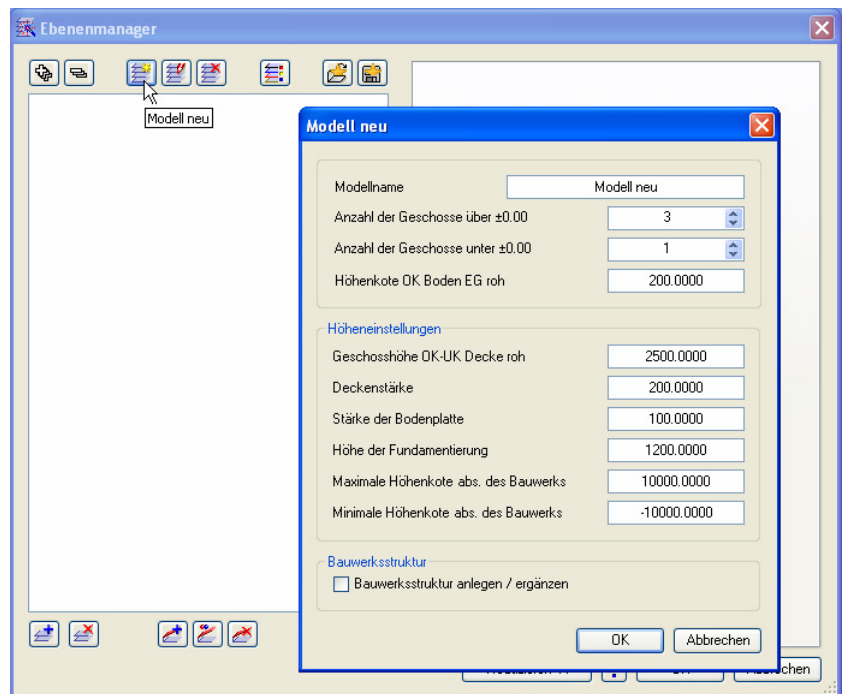
As a result, the building structure in this example will only consist of the structural levels **Building** and **Story**.

Plane manager: stories and heights

Height settings are to be assigned to the individual stories using the plane manager.

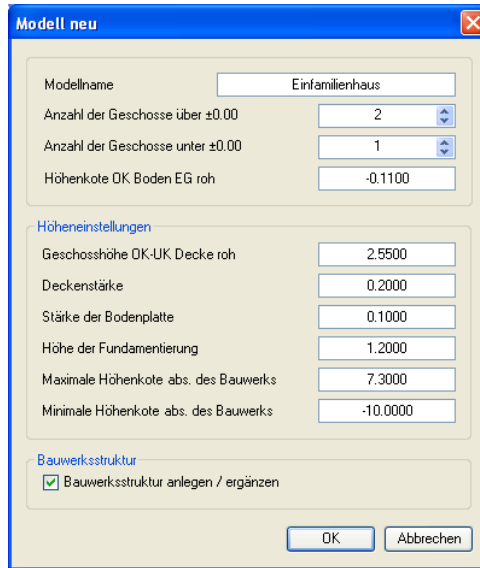
To use the plane manager to assign height settings to the planes

- 1 Click  Plane Manager in the Open on a project-specific basis: files and filesets dialog box.
- 2 The Plane Manager dialog box appears. Click  New model.



- 3 In the **New model** dialog box, make settings for the number of stories and for the heights of the stories, slabs, floor slab and foundations.

This example shows the settings for a detached house:



The screenshot shows the 'Modell neu' dialog box with the following settings:

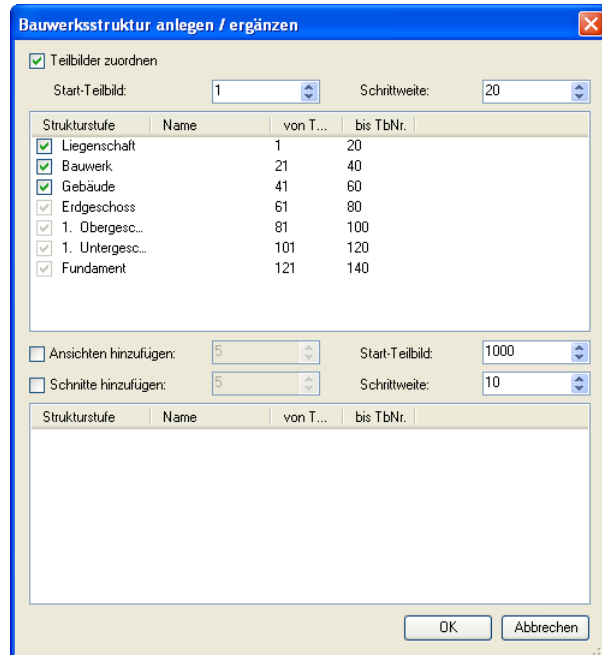
Parameter	Value
Modellname	Einfamilienhaus
Anzahl der Geschosse über ±0.00	2
Anzahl der Geschosse unter ±0.00	1
Höhenkote OK Boden EG roh	-0.1100
Höheneinstellungen	
Geschosshöhe OK-UK Decke roh	2.5500
Deckenstärke	0.2000
Stärke der Bodenplatte	0.1000
Höhe der Fundamentierung	1.2000
Maximale Höhenkote abs. des Bauwerks	7.3000
Minimale Höhenkote abs. des Bauwerks	-10.0000
Bauwerksstruktur	
<input checked="" type="checkbox"/> Bauwerksstruktur anlegen / ergänzen	

Buttons: OK, Abbrechen

Don't forget to check the Create / extend building structure box.

- 4 Click OK to confirm the New model dialog box.

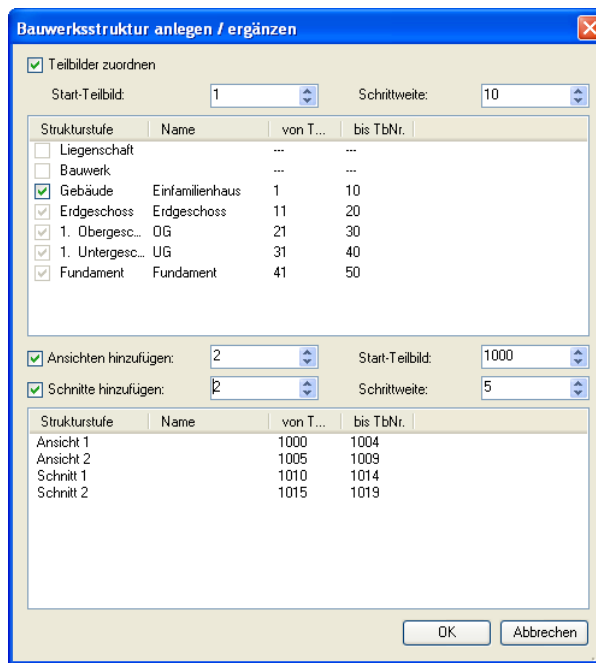
The Create / extend building structure dialog box opens.



5 Make the following settings in the Create / extend building structure dialog box:


- Select the desired structural levels.
- Enter a value for **Increment** in the area at the top.
This defines the number of drawing files per structural level.
- Enter names in the Name column.
- Enable **Add views** and enter the number of drawing files to be used for views.
- Select the **First drawing file** for the views.
- Enable **Add sections** and enter the number of drawing files to be used for sections.
- Enter a value for **Increment**.
This defines the number of drawing files per section/view.

In this example, the Create / extend building structure dialog box might look like this:

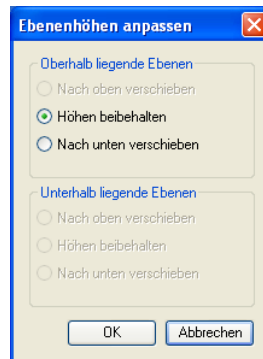


- 6 You can change the numbering of drawing files in the From file column; subsequent numbers change accordingly.
- 7 Click OK to confirm the Create / extend building structure dialog box.

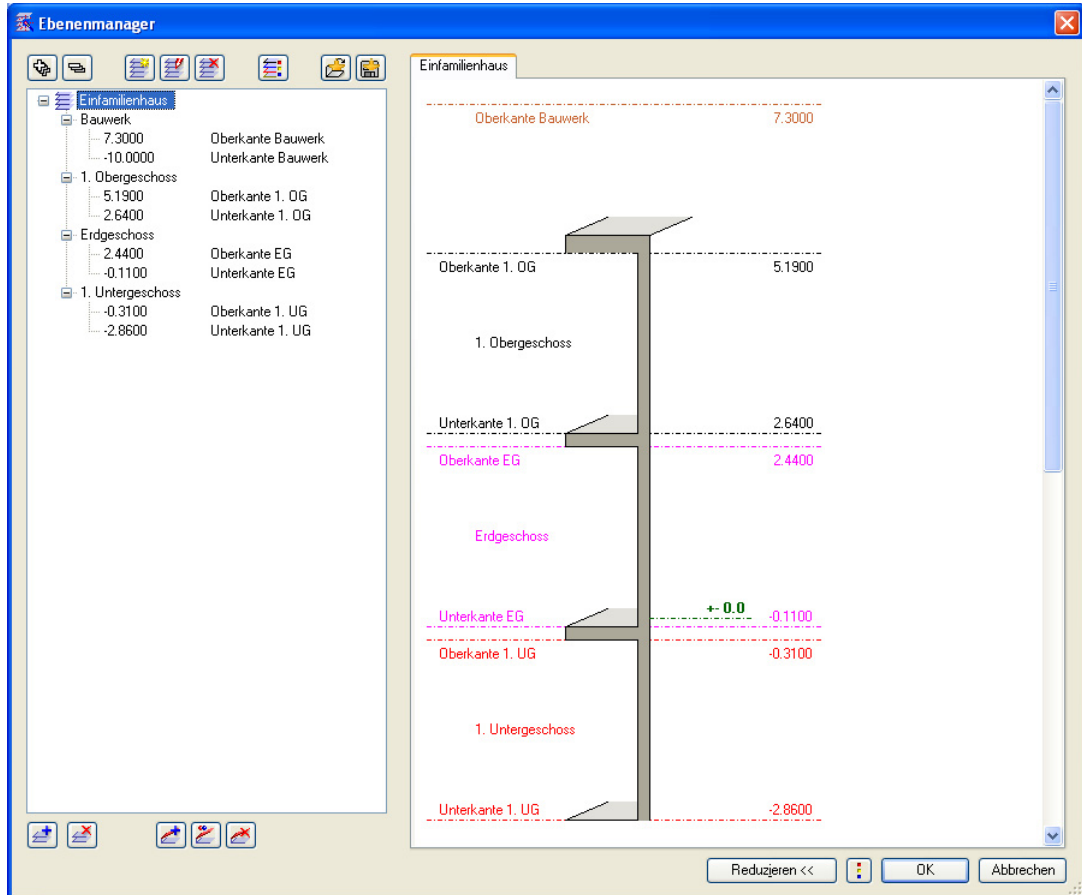
The Plane Manager dialog box appears.

- 8 Select the entry at the top in the Plane Manager dialog box (left pane) and click  Expand selected entries to display all entries.
- 9 Now you can use the shortcut menu to delete entries that are not required.

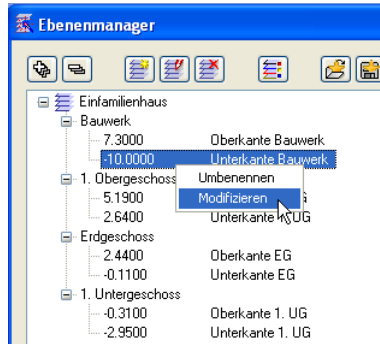
The height settings of the other planes can be retained or adjusted. In the latter case, you can specify whether they are to be moved up or down.



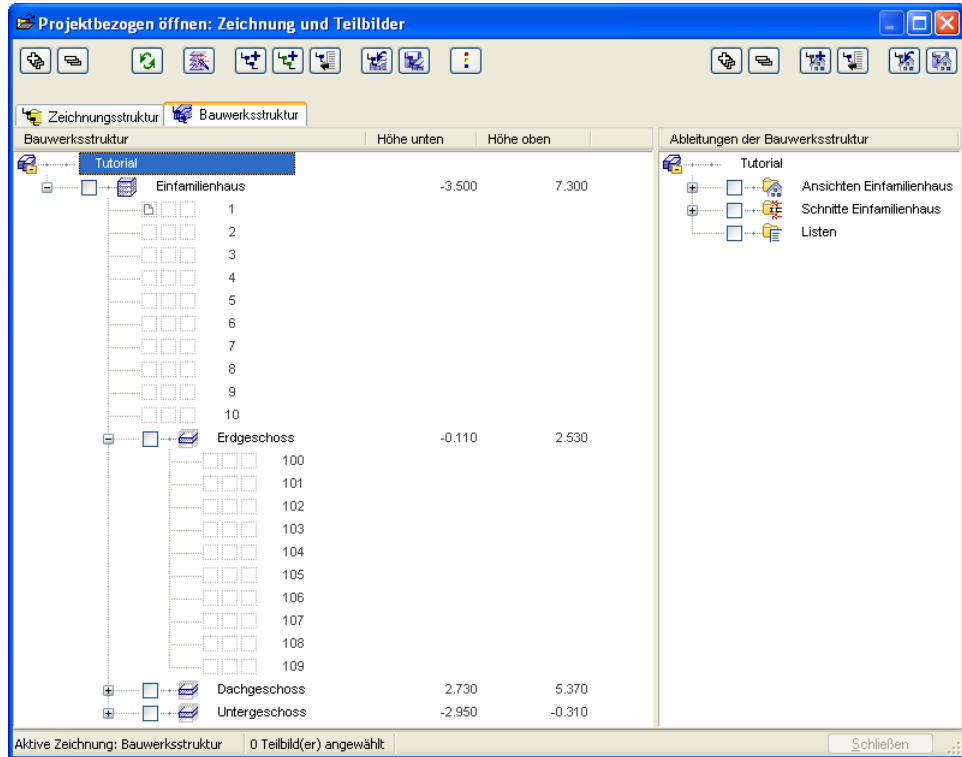
The Plane Manager dialog box might look like this:



- 10 If necessary, you can also adapt the bottom level. Click **Bottom level of structure** with the right mouse button, select **Modify** on the shortcut menu and enter the desired value.



- 11 Click OK to confirm your entries in the Plane Manager dialog box.
- 12 You are back in the **Open on a project-specific basis: files and filesets** dialog box.
The result might look like this:




- 13 To select a drawing file for your work, activate the check box of the desired hierarchical level and then make the desired drawing file current.
- 14 Click Close to quit the dialog box.

Name drawing files

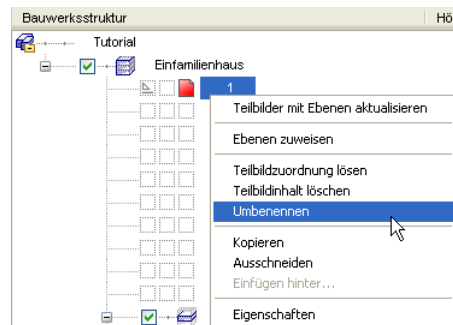
When you create a building structure, the last step is to name the drawing files.

To name drawing files

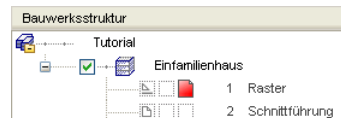
- 1 Click  **Open** on a project-specific basis.
- 2 Select the **Building structure** tab.
- 3 Select the relevant drawing file number.
- 4 Click the drawing file number with the right mouse button.

The number is highlighted blue and the shortcut menu opens.

- 5 Click **Rename**.



- 6 Enter a name for the drawing file.
- 7 Select a drawing file by activating the check box of the superordinate hierarchical level. Then make the desired drawing file current.



- 8 Click **Close** to quit the dialog box.
-

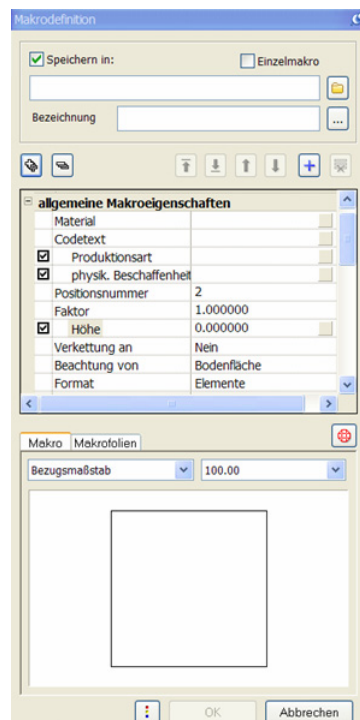
More New Features in Architecture

Defining Smart Symbols

New dialog box for defining smart symbols

Structure of dialog box



- Similar to pallets in Basic and Engineering
- Attributes can be sorted
- Graphical display of different foils per scale
- Depending on height settings
- Snoop functionality
- Depending on drawing types
- Changing display parameters

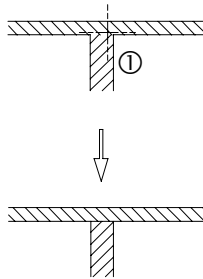



Smart symbols can be created and maintained more easily


- Smart symbols no longer need to be saved in catalogs:
 - Separate smart symbol files in *.nmk format
 - Smart symbols can be placed directly in documents and saved there.


Show/hide junctions permanently

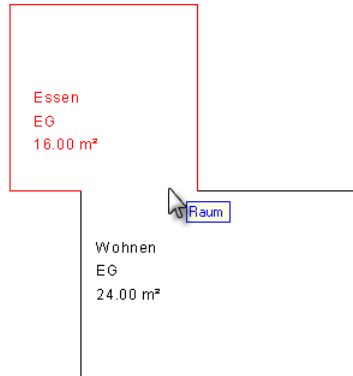
Junction lines such as wall lines, sill lines or room lines you had removed using  Show/Hide Junctions were visible again when you updated architectural elements using  Restore 3D View.



Allplan 2008 includes the following improvements: junction lines are only displayed or hidden again when you click them again;  Restore 3D View has no effect.

Note: junction lines you have already hidden or shown are displayed as dashed lines in selection color when you activate  Show/Hide Junctions.

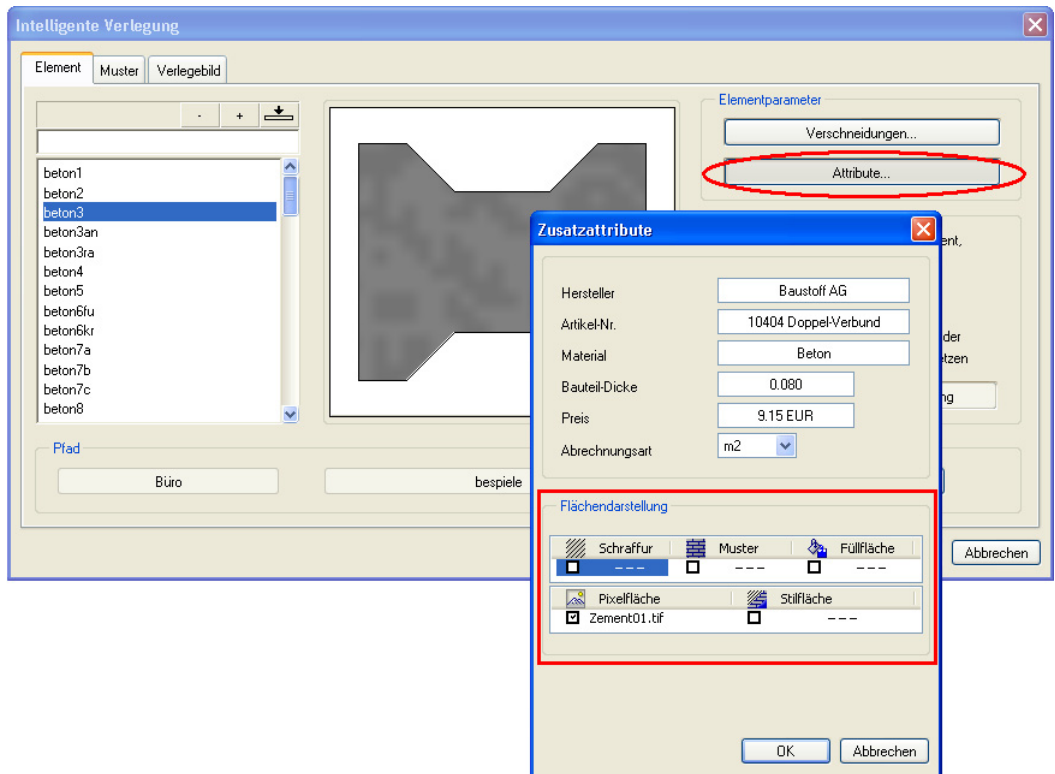
Tip: Elements are always hidden in their entirety. Overlapping lines (in the case of adjacent rooms, for example) can be deleted using  Delete Doubled Line.



Detailed information on the Show/Hide Junctions and Delete Doubled Line tools is provided in the online Help.

Textures for Smart Fit Operations

When defining elements in the Smart Fit module, you can assign attributes like producers and prices as well as apply surface elements.



Layouts can be enhanced using fills, bitmaps and textures.

VOB Regulations, Part C

New VOB rules, part C (German building regulations)

Calculations have been adapted to meet the requirements imposed by the new regulations

Concurrent management of regulations

- Old regulations
- New regulations

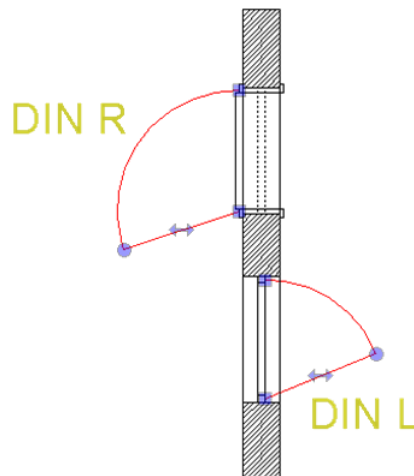
You can still use the old regulations to calculate existing projects

Allplan quantities and Nemetschek D2C fulfill the requirements imposed by the new regulations.

Door Swing with DIN Labels

The door swing is analyzed by a label style:

- DIN L
- DIN R



As long as users do not intervene, the display and label of doors are synchronized. This helps you avoid errors.

Attributes for Walls

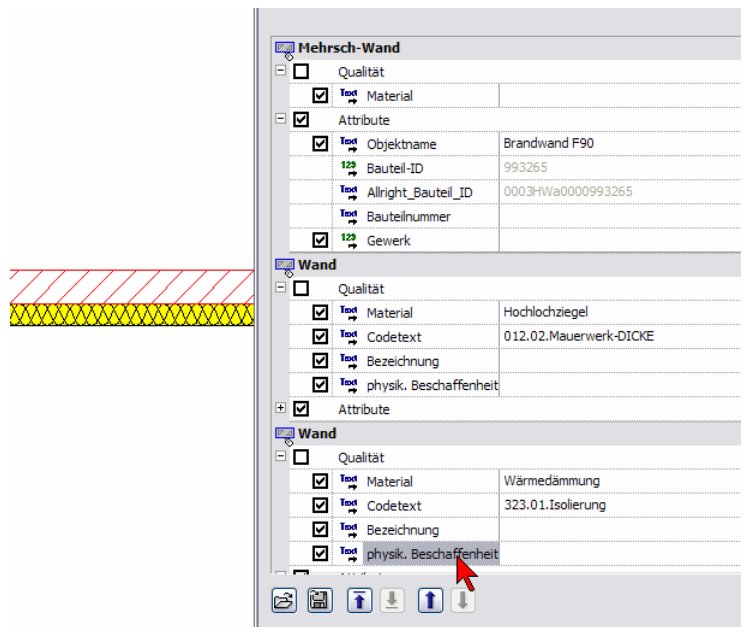
Attributes for walls in their entirety

Walls consisting of multiple construction layers:

- Attributes for total wall
- Attributes per layer

Optimum basis for analyzing physical properties, which can be different for each layer

Preparation for EuroCode and IFC standard

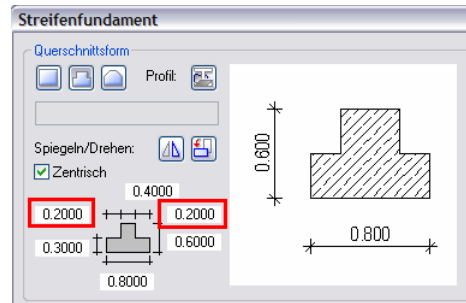


Allplan BIM can be used as a data basis for HVAC, building simulations and energy certificate calculations in an interdisciplinary manner

Eccentric Foundations

Strip foundation

- Centered
- Eccentric
- Cross-sectional area



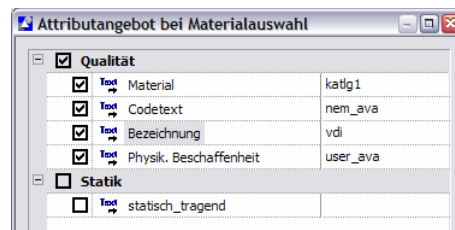
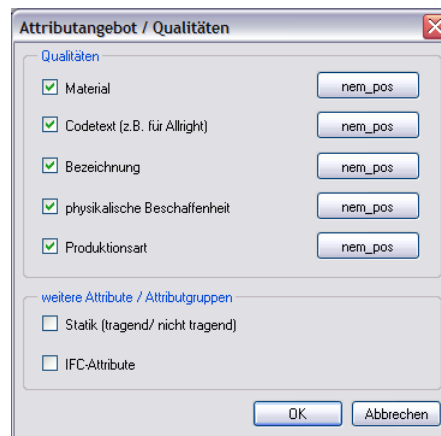
Any strip foundation can be displayed in a realistic manner.

Very useful for creating component-oriented building models

Multiple Catalogs

Allplan provides five different catalogs for specifying quality and two attribute groups for each component:





- Material
- Code text
- Name
- Physical properties
- Method of production
- Static system (load-bearing, non-bearing)
- IFC attributes








These advanced, interdisciplinary options for analyzing architectural components and smart symbols are very useful when it comes to BIM.

Dynamic Lists in Drawing Files

- Allplan provides various lists such as
 - Window list with overview
 - Walls with legends
 - Floor area calculations with totals
 - ...
- Custom design
- Legends can be created and maintained quickly and easily
- Ideal complement to roomstamps
- Graphics, labels

Fenster		
	1 * Fenster	63.5 x 63.5
	5 * Fenster zweifl.	126.0 x 126.0
	1 * Raumteiler Glas	300.0 x 226.0
	1 * Terrassentür	500.0 x 230.0

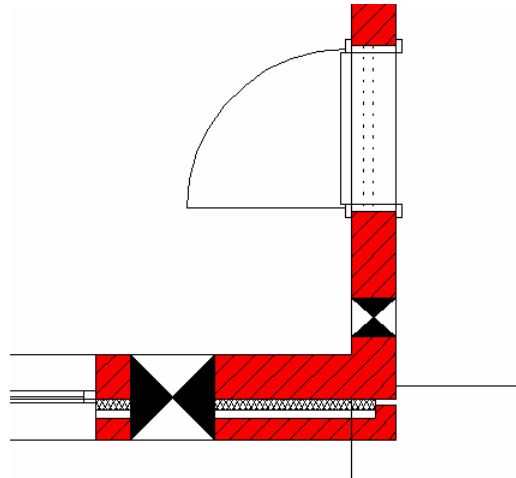
Wände	
	Luftschicht
	MW 17.5
	MW 24.0
	Vormauerung
	Wärmedämmung

Analyses are derived directly from BIM (model space) and updated dynamically in paper space.

Groups of stories

...

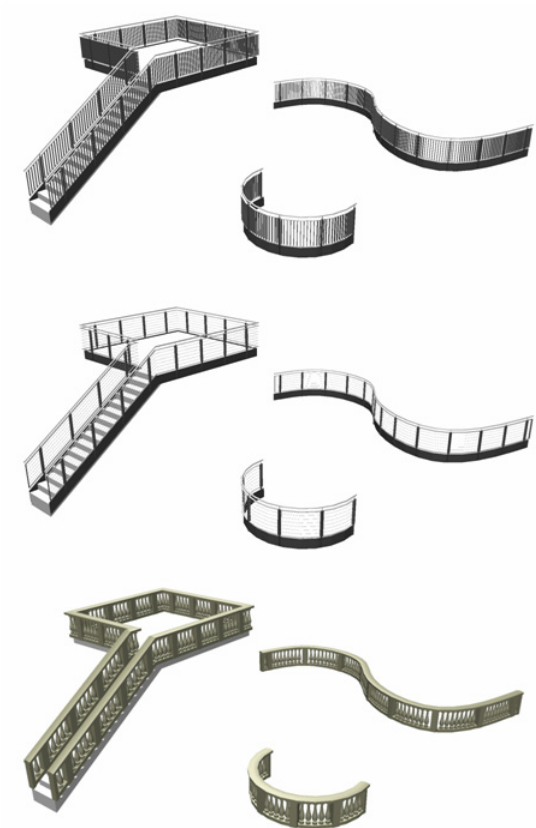
2D Opening Design



Railing Designer

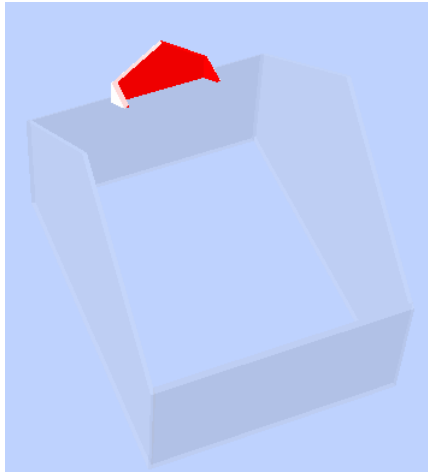
The new **Railing Designer** tool provides a convenient way of creating, editing and analyzing

- Railing
- Fences
- Parapets and
- Other linear components that are subdivided evenly




Advanced Quantity Takeoff Operations

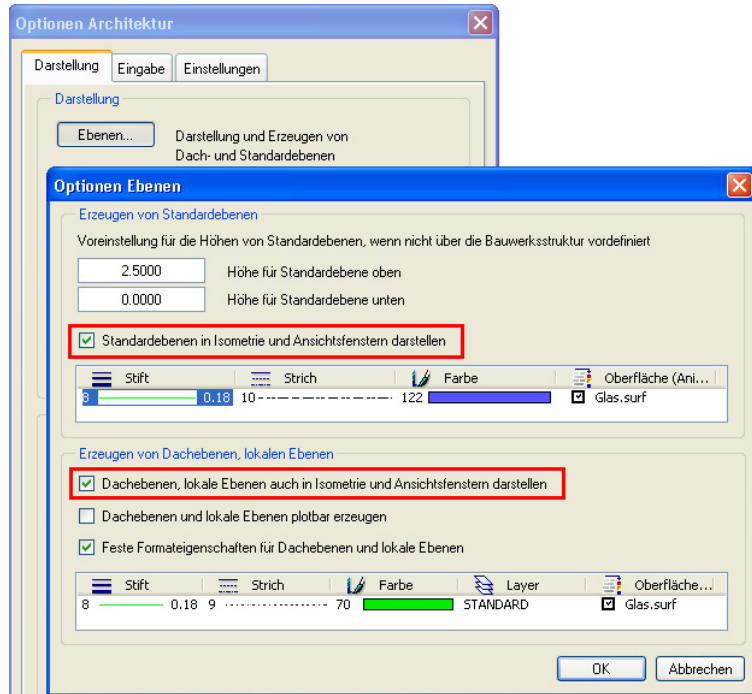
- Vertical surfaces of dormers
- Vertical surfaces of beams
- Formwork areas of beams
-



Planes displayed in isometric view and animation

Planes in elevation and isometric view

Default planes, custom planes and roof planes can be displayed in isometric and elevation viewports. You can make the relevant settings in the **Plane options** (provided in the  **Architecture Options**, for example).



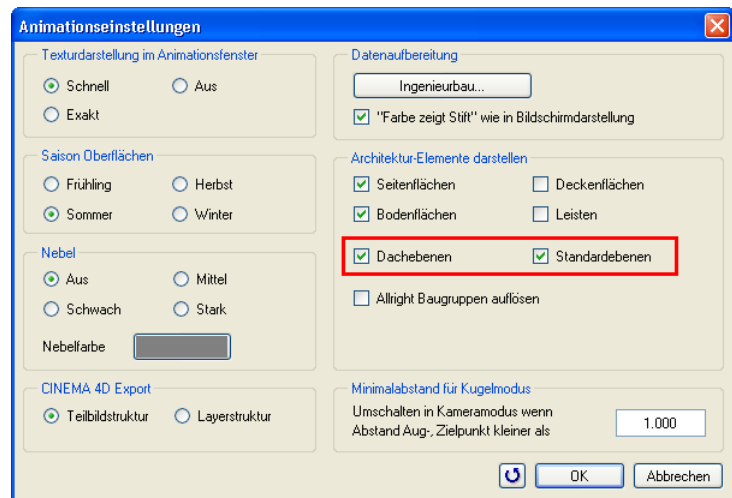
When this option is enabled, default planes are initially displayed as a square of 2mx2m at the origin. This applies for all views.

After you have executed  Restore 3D View, the display is adjusted to the size of the current 3D model.

Detailed information is provided in the online Help; see the section entitled Architecture options, display and creation of roof planes and default planes.

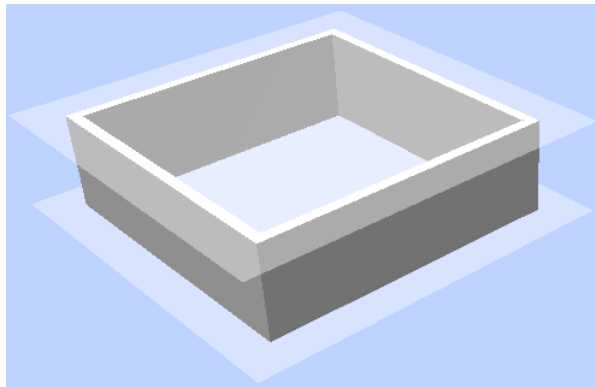
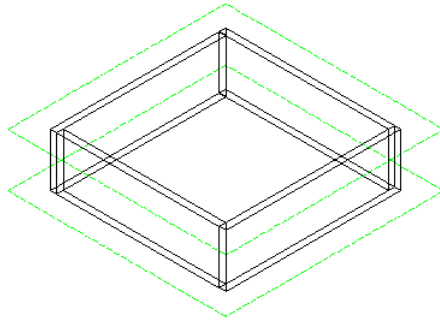
Planes in elevation and isometric view

You can use the **Animation Settings** to specify whether roof planes and default planes are displayed in animation windows. The animation surface used is defined in the **Plane options**.



Detailed information is provided in the online Help; see the section entitled Animation settings, parameters.

The result might look like this:



SpaceNavigator Facilitates Navigation in 3D and Animation

3DConnexion's SpaceNavigator considerably facilitates the process of navigating virtual 3D space in Allplan.









SpaceNavigator provides six axes for navigation.

SpaceNavigator for navigation in animation windows, details

In addition to or instead of the mouse, you can use the SpaceNavigator provided by 3DConnexion for navigating in isometric viewports and animation windows. You can use the CTRL key to switch between camera mode and sphere mode as usual.

The standard configuration of SpaceNavigator provides the following navigation alternatives:

Navigation	... In camera mode	In sphere mode (CTRL pressed)
	Move to the right/ left	Move to the right/ left
	Pan up/ down	Pan up/ down
	Zoom in/ zoom out	Zoom in/ zoom out
	Tilt	Turn camera about object on the surface of an imaginary sphere (pan up/ down)
	Rotate	Turn camera about object on the surface of an imaginary sphere
	Scroll	Scroll

Use the *left key* to display the object in its entirety. Use the *right key* to open the **3DConnexion Control Panel** dialog box where you can make further settings (e.g. speed, key assignment etc.) and activate the online Help.

Room Program Wizard available to all users




The Room Program Wizard lets you enter and display given room programs in Allplan.



The Room Program Wizard is now available to all Allplan users. It is included in the Create toolbar/palette in the **Quantity Takeoff: Rooms, Surfaces, Stories** module.

Detailed information is provided in the online Help; see the section entitled Introduction to Room Program Wizard (See Introduction to Room Program Wizard - mk:@MSITStore:rpa.chm::/31572.htm).


Improved quantity takeoff operations

You can use the  **Intersect Timber, Steel Elements with Architect. Components** tool to make timber and steel elements (e.g. rafters or beams) intersect existing architectural components (e.g. roof covering).

In Allplan 2008 the intersecting elements are included in quantity takeoff operations,

Engineering

Diameter symbol and text modifications

When the  **Change Text Settings** tool is used to change the font of engineering text from Allplan to TrueType or vice versa, the diameter symbol also changes so that it can be used with the relevant font type (from ASCII 30 (Allplan) to U+00F8 (TTF) and vice versa).

Thermal insulation lists

The Arial font is used for all thermal insulation lists. Furthermore, we have renamed the lists for better orientation and given a uniform look-and-feel to the lists.

More new features

General New Features

File and project management




- Documents must not exceed 256 MB.
- The advanced document access mode is active by default (when installing for the first time).
- Any folder can be selected as the project folder (requirements: workgroup, UNC paths, folder name = project name)
- Project attributes are sorted alphabetically.
- Construction lines can be switched on and off in Show/Hide.
- New tools: Close All + Save All
- Handles can be used in conjunction with the Stretch Entities tool; they are transparent.
- Print Preview Options: Fills are no longer affected by the Use color 1 for elements in reference drawing files setting.

Independent Resources

Independent resources are available for

- Linestyles
- Area styles
- Drawing types
- Surfaces/textures
- User-defined attributes
- Layouts
- Contents of the Clipboard
- Contents of Wizards

Layers

- Quick access is available for layer sets and privilege sets using the following tools
 -  Modify Layer Status
 -  Select Privilege Set
 -  Select Layer Set
- Layer sets and privilege sets can be arranged in groups.
- Objects that are invisible (because of the privilege set) can be ignored in layouts (administrator option in the **Privilege set** tab).
- When creating new layers, you can specify the status in privilege sets / layer sets and the layer number. You can assign any numbers between 32768 and 65535 to layers.

Project Selection

- Enhanced dialog box
- Projects can be copied and deleted.
- New project filter

Drawing File Selection

CTRL+click on icon restores the position to the default setting (e.g. in two-screen mode).

Display List

You can set properties for the display list in a dialog box.

Use display list

This is where you enable or disable the display list.

Optimized display

When this option is enabled, the display of elements is optimized. When it is disabled, priority is attached to performance. Please note that this setting only applies when the display list is active.

Display OLE elements, advanced fills, bitmap areas

When these options are active, the relevant elements are also displayed when the display list is enabled. When these options are disabled, only the boundary lines are displayed, which accelerates display on screen.

Show TrueType in bold

When this option is activated, TrueType fonts are displayed in bold so that they are clearly legible. When this option is deactivated, TrueType fonts are displayed normally. As a result, they may only be read with difficulty (depends on the font used).

More options

Associative Views

When this option is enabled, associative views are managed in the display lists (data is vectorized). When this option is disabled, associative views are not managed in the display list.

XRef

- In the case of advanced XRefs, the default planes can be taken from the source or target. In the case of custom planes the source is always used.
- You can snap points in normal XRefs as well as in advanced XRefs.
- XRefs can be trimmed as you need.
- All advanced XRefs can be converted to normal XRefs in a single operation (using the shortcut menu).
- DWG, DXF and DGN files can be inserted as XRefs (using Insert - Custom XRef).

Selection options

Selection preview

No tool is active (handles)

Use this to specify whether the selection preview is to be displayed when no tool is active (e.g. Delete).

A tool is active

Use this to specify whether the selection preview is to be displayed when a tool is active (e.g. Delete).

Element info

No tool is active (handles)

Use this to specify whether element information is to be displayed when no tool is active (e.g. Delete).

A tool is active

Use this to specify whether element information is to be displayed when a tool is active (e.g. Delete).

Time limit for display in milliseconds

Use this to specify the time which elapses until element information is displayed at the cursor.

Element info

Use this to specify what kind of element information is displayed in the ToolTips that are attached to the cursor. CTRL+A selects all the options; CTRL+SHIFT+A unselects all the options. When ToolTips appear, you can display all the information on the relevant element by pressing the TAB key (regardless of the setting you make here). Please note that this does not work with architectural elements).

Function of right mouse button

Use this to specify how the right mouse button is used when a tool is active.

Bracket feature


The right mouse button activates the brackets feature. The shortcut menu for selecting elements can be opened using CTRL+right mouse button.

Selection shortcut menu

The right mouse button activates the shortcut menu for selecting elements.

-
-
-
-
-

Pen for TrueType fonts

The setting you make in the Text module's options, **Text height defines pen thickness**, applies to Allplan fonts only. TrueType fonts are always displayed with pen 1. When the **Color stands for pen** option is enabled in  **Show/Hide (How)**, TrueType fonts are always displayed in the color associated with pen 1.

Improved two-screen support

Improvements for using Allplan in conjunction with two screens:

- All dialog boxes remember their most recent positions.
- Arrangement of viewports is retained.

Allplan profiles for certified graphics boards

Allplan profiles are provided for certain graphics boards certified by Nemetschek for Allplan:

- Profiles can be selected quickly and easily in the driver.
- Better performance (e.g. for animation)
- The latest certified graphics boards are available at:
FAQs for graphics boards

Crash Reporter

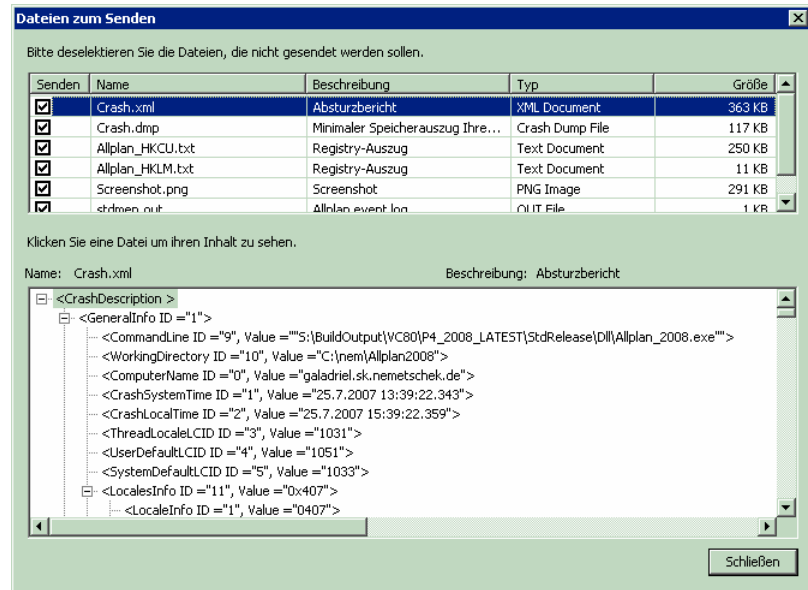
Available in Allplan 2008 Beta 3 and higher:

As we are always trying to improve the overall quality of our programs, we have integrated the **Crash Reporter**. This new program automatically starts when a certain problem arises in Allplan or Project Pilot and documents the status of the program at the time the problem occurs. The resulting error report can then be emailed to Nemetschek.



You can describe the problem in detail in the data entry field.

You can use [click here](#) to display and check the contents of the error report generated automatically and the files attached:



Clicking Send error report compresses the relevant files, and the standard email program installed on your computer starts.

Please support us and send the error report to us.

Requirements for installing and running Allplan 2008

Before you begin, please check that all the computers where you want to install Allplan 2008 meet the minimum requirements.

Hardware requirements

The following table lists the minimum requirements for running Allplan 2008:

Minimum setup

- Intel® Pentium® III or compatible
- Processor with a rate of at least 1GHz
- 512 MB RAM
- 1 GB free hard disk space
- Graphics board, resolution 1280 x 1024
- Floppy disk drive, connection to network or email for installing the license

Note: Up-to-date information on hardware can be found on the Nemetschek website (<http://www.nemetschek.de/info/sys2006>).

Software requirements

Allplan 2008 runs on the following operating systems:

- Recommendation: Windows XP Professional, Service Pack 2
- Windows XP Home, Service Pack 2
- Windows Vista
- Windows 2000, Service Pack 4
- Windows Server 2003, Service Pack 1
- In addition to the operating systems mentioned above, file servers run on the following operating systems:
 - Novell NetWare 6.5 with NetWare Services (Allplan 2008 is the last version to support Novell)
 - Suse Linux 9.1 with Samba server 3.0 based on Reiser file system

Please check the entire network: all workstations must be equipped with one of the operating systems mentioned above.

Notes:

Allplan runs on Apple hardware in conjunction with Intel processor and Windows operating system. Up-to-date information is provided on this website.
(<http://www.nemetschek.de/info/mac2006>)

Installations using other operating systems than the ones stated above are not tested (for example, other Linux versions, HP-UX or MacIntosh). Please note that Allplan 2008 does not run on these operating systems. We do not provide any support for these types of installations.

Further requirements

The following notes are particularly interesting when you have installed a new operating system (e.g. Windows Vista).

- The operating system must already be installed and running.
- The hardware and software requirements mentioned are also valid for computers which serve as file servers for Allplan 2008.
- All peripheral devices must be connected and correctly configured.
- When you install two or more Allplan 2008 workstations in a network, it is essential that these workstations are networked correctly.
 - When upgrading in a network, you need to install Allplan 2008 on all the networked workstations before you can resume your work.
Please note the following:
 - Allplan 2008 can only be installed when a valid ServicePlus agreement and/or license file is available for the workstation in question.
 - You cannot use this version together with earlier Allplan versions or data thereof!
- Every user must have full access to the Allplan 2008 folders; read access is not sufficient.

Notes on installing under Windows XP

When Windows XP is installed in a default manner, the safety settings (access and read permission) are assigned on a restrictive basis. This means that only the user groups **Owner**, **Administrator** and **System** have full access rights to new folders; the **User** or **Main user** groups are granted read access only. In order to run Allplan 2008, however, you require full access rights to new folders; read access is not sufficient. Consequently, it can happen that Allplan 2008 does not start.

To share the Allplan installation folder

- 1 Log on as administrator.
 - 2 Determine the paths to the Allplan installation folders using the Services -> Service -> Hotline Tools -> Showcfg -> OK.
 - 3 Make a note of the following paths and share them as described in steps 4 and 5.
 - Local program folder: DATPATH = ...
 - Central file storage folder: SRVPATH = ...
 - 4 As administrator, share the Allplan 2008 installation folders for the relevant user or user group.
To do this, select the Allplan 2008 installation folders in Windows Explorer and click File -> Properties -> Security.
 - 5 In the **Group or user names** area, add the relevant user or user group.
-

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