

## ELITECAD ARCHITECTURE 16 R4 Update (March 2024)

- ✓ Architecture: Optimisation when switching between asymmetrical to symmetrical window casements
- ✓ Architecture: Optimisation of the 2D glass depiction of windows opening out
- ✓ Architecture: Improvement concerning locked entry fields of stairs
- ✓ Architecture: Optimisation when loading building structures from the project
- ✓ Architecture: Optimisation with the automatic deactivation of stops in wall openings
- ✓ Architecture: Improvement of the info window notification for doubled room labels
- ✓ Architecture: Optimised depiction of centreline and text for sliding doors in Austria
- ✓ Architecture: Optimisation of the recess calculation of storey-transcending windows
- ✓ Architecture: Improved depiction within the window and door editor where renovation state is concerned
- ✓ Architecture: Optimisation concerning incline of drain
- ✓ Architecture: Optimisation of the depiction wall cuts involving columns
- ✓ Quantification: Optimisation of the depiction of living spaces in room labels with library parts
- ✓ Quantification: Optimisation of the verification of check room contours
- ✓ Quantification: Optimisation of the room lists with interior insulation and window/door surfaces with an indicated renovation state
- ✓ Quantification: Optimisation of the calculation of the proportions of living space following an IFC-import
- ✓ Quantification: Optimisation of the Excel report of synonyms (master data)
- ✓ Quantification: Expansion of the autotexts with project key words (property size, building coverage ratio, floor area ratio)
- ✓ Quantification: Expansion of the radius calculation of round openings
- ✓ Quantification: Expansion of the depiction of wall and ceiling covering surfaces in the room label
- ✓ General: Optimisation of the management of line types over a network
- ✓ General: Optimisation of Drag & Drop of image data in the materials manager
- ✓ General: Optimisation concerning the copy clipboard and Ctrl+C
- ✓ General: Optimisation with the entering of copied internal references using Ctrl+1
- ✓ Plan depiction: Correction of the rotation of wall hatches in exceptional circumstances
- ✓ Plan depiction: Attribute colours in plot-views deactivated
- ✓ Plan depiction: Optimisation when using the Bahnschrift font family
- ✓ Plan depiction: Optimisation of the automatic renaming of depiction detail parameters
- ✓ Plan depiction: Optimisation of the rotation of attribute labels by rotated coordinate systems
- ✓ Plan depiction: Optimisation of the height markers in section details
- ✓ Dimensioning: Improvements in the area of automatic dimensioning
- ✓ Copy parameters: Optimisation in combination with locked objects
- ✓ Copy parameters: Optimisation with the transferring of line type for lintels for windows, doors and wall openings
- ✓ Copy parameters: Optimisation with the copying of the layer of the dimensioning chain
- ✓ PDF import: Optimisation when importing from PDF-clipping paths
- ✓ PDF import: Optimisation when importing images with CCITT Fax format
- ✓ IFC4 export: Optimisation of the copy detection
- ✓ IFC4 import: Expansion of the quantification of IfcBuildingElementProxyTyp.Name to Ifc-object type
- ✓ IFC4 import: Expansion of IfcEllipseProfileDef
- ✓ IFC4 import: Improvements with parametric import of inconsistent wall layers
- ✓ IFC4 import: Optimisation of parametric import of special IfcFooting items
- ✓ IFC4 import: Improvement of the quantification of IfcCovering of the type ROOFING as a roof
- ✓ IFC4 import: Expansion with the input of missing IfcSite / IfcBuilding / IfcBuildingStorey structures
- ✓ DXF/DWG: Expansion of export of attribute colours
- ✓ DXF/DWG: Optimised depiction of imported 3D curves
- ✓ Terrain: Improvement of the input of perimeter contours
- ✓ Point cloud: Optimisation of the import filter
- ✓ Point cloud: Optimisation of the Batch-import in combination with separators
- ✓ Point cloud: Expansion of the import of E57 data with spherical data
- ✓ Graphic display: Improved depiction of the Education-Version watermark
- ✓ Graphic display: Optimised bumpmap shadow shader effect
- ✓ Numerous other optimisations based on feedback from ELITECAD users

Further information in the ELITECAD Welcome Screen ("?" > "Welcome to ELITECAD!") and online at [www.elitecad.eu](http://www.elitecad.eu) ("Updates" in the "Service > Downloads" menu).

## ELITECAD ARCHITECTURE 16 R3 Update (October 2023)

- ✓ Architecture: Improved middle casement for glass elements
- ✓ Architecture: Improvement in the area of free window stops and side walls
- ✓ Architecture: Improvement concerning the opening direction of corner window casements
- ✓ Architecture: Optimisation of the height reference when copying + rotating/mirroring glass elements
- ✓ Architecture: Optimisation of the transom position for windows with symmetrical changes to the stop thickness
- ✓ Architecture: Optimisation of the handle setting "distance to string" for asymmetrical casements
- ✓ Architecture: Optimisation of the 3D depiction when placing walled windows
- ✓ Architecture: Optimisation of the texture direction of skylight window -padding
- ✓ Architecture: Optimisation of the crease height calculation of roofs with multiple angles
- ✓ Architecture: Optimisation of the floor limiting by sectional doors
- ✓ Architecture: Correction of the height calculation in the room label when hanging ceilings are present
- ✓ Architecture: Optimisation of the floor limiting calculation of incline over point with a storey floor
- ✓ Architecture: Optimisation of the recess generation of rooms with windows utilizing freely designed stops
- ✓ Architecture: Optimisation of curved terrain sections and terrains with narrow stairs
- ✓ Architecture: Optimisation of material modifications for modular stairs
- ✓ Architecture: Optimisation of the placement of stairs with stringers
- ✓ Quantities: Improved length calculation for intrados surfaces
- ✓ Quantities: Expansion of state-specific master data settings for Bavaria, Germany
- ✓ Quantities: Optimisation of the volume calculation of free foundations and free layer objects
- ✓ Quantities: Optimisation of master data import from ELITECAD Architecture 15
- ✓ Quantities: Performance optimisation when resetting the database
- ✓ Quantities: Optimisation designation of the function "Create reports"
- ✓ Quantities: Optimised formatting of the calculated sums for sum forms that are exceedingly long
- ✓ Quantities: Adjustment of the room assignment from skylight windows
- ✓ Quantities: Optimised evaluation of roof edges
- ✓ Quantities: Optimisation of the automatic application of references btw. object and value types
- ✓ Quantities: Improvement in the area of outer and wall-end contours
- ✓ Quantities: Optimisation of the living space verification in combination with stairs
- ✓ Quantities: Optimisation of the living space calculation of window recesses across multiple rooms
- ✓ General: Optional viewing of modified objects by New file/Load drawing
- ✓ General: Improvement of the intelligent function assistant with a Hotkey
- ✓ General: Optimised foreground / background depiction of internal references
- ✓ General: Optimisation when loading previously manipulated drawing materials
- ✓ General: Auto-text menu now shows the variable names
- ✓ General: Optimised handling when loading temporarily unavailable project data from the network
- ✓ General: Optimised drawing of double lines
- ✓ General: Improvement by copying Boolean operations in other storeys
- ✓ Plan depiction: New labelling option "Own text" for skylight windows
- ✓ Plan depiction: Optimised window labelling of decimal places for empty formatting instructions
- ✓ Plan depiction: Optimised glass line for single casement sliding windows
- ✓ Plan depiction: Optimised corner frame depiction of multiple story corner windows
- ✓ Plan depiction: Optimisation of adjacent, multi-storey wall openings and overlapping recesses
- ✓ Plan depiction: Optimisation of the colour transparency of infill hatch with the option "automatically align hatch"
- ✓ Plan depiction: Optimisation for sections of sloped floors with drains
- ✓ Plan depiction: Optimised depiction of stairs' step lay out and stair stringers at the stair head
- ✓ Dimensioning: Optimisation of the handling of parameter groups
- ✓ Dimensioning: Optimisation of coordinate dimensions in the areas of stretch, copy parameters and dimension help lines
- ✓ Dimensioning: Optimisation when refreshing plots
- ✓ Dimensioning: Optimisation of chain dimensions with multiple layers and when rotating the drawing
- ✓ Dimensioning: Optimisation of the reference dimension with a fixed dimension line length
- ✓ Copy parameters: Improvement for the axis-grid and arrow
- ✓ Copy parameters: New frame options for corner windows and material hatch for window and glass element transoms
- ✓ Copy parameters: Optimisation for (corner) windows, copying of layers, free banister attributes, text line lengths
- ✓ Copy parameters: New option for ceiling cut-outs for slab openings and new offsets for embracing jambs
- ✓ Copy parameters: New options for step lay out, stringer and bearing construction

- ☑ PDF export: Improved the zoom-plot output to allow for optional emailing of PDFs
- ☑ PDF export: Optimisation of the file size and the performance of native PDF export
- ☑ PDF export: Optimisation in the area of underlined spaces
- ☑ PDF export: Optimisation of native export of vector paths and transparent graphics
- ☑ PDF export: Revision to the 3D-PDF export with attribute colours / renovation planning
- ☑ PDF import: Optimisation when importing images in PDFs
- ☑ IFC4 export: Selection of IFC4 schemes when exporting (IFC4, IFC4.1)
- ☑ IFC4 export: Optimised query in case evaluation data are not available or not current
- ☑ IFC4 export: Optimisation of mirrored axis-grids
- ☑ IFC4 export: Optimisation of the materials for girders from box
- ☑ IFC4 import: Optimised import of wall clippings
- ☑ CPIXML import: Improvements in tessellations
- ☑ SketchUp export: Optimisations in combination with UNDO
- ☑ DXF/DWG export: Optimised export of door labels
- ☑ DXF/DWG import: New option to import broad lines as lines
- ☑ Terrain: New table depiction of banister modifications
- ☑ Terrain: Improvements by the import of banister height markers to make point references similar to point clouds
- ☑ Terrain: Optimisation by the import of differing decimal and list-separating characters
- ☑ Terrain: Support of LandXML
- ☑ Point cloud: New batch import to allow multiple point clouds to be imported at once
- ☑ Point Cloud: Optimisations with the automatic splitting of storeys
- ☑ Graphic output: Performance optimisation when toggling between views with textures and shader
- ☑ Graphic output: New controllable DPI-Scaling for UI-elements (cross hair, marker...)
- ☑ Graphic output: Optimised depiction of UI-elements (cross hair, marker, aux. lines, selection rectangle...)
- ☑ Graphic output: Optimised stereo 3D depiction of mouse pointer and input assistant (stereo cursor)
- ☑ Graphic output: New stereo 3D option to switch the eye (ELITECAD Configuration)
- ☑ Graphic output: Optimised shader depiction of soft shadows, blue screen textures and transparent mode
- ☑ Graphic output: Optimised depiction of pen thickness in the colour mode Pen
- ☑ User-Interface: New function to show renovation planning options (Activation / Depiction) in the status window
- ☑ User interface: Optimisations to drag & drop in the views manager
- ☑ User interface: Optimised icons in the materials manager, roof detail parameters, PDF import, list 3D-colours
- ☑ User interface: Optimisations for dark mode
- ☑ Numerous other optimisations based on feedback from ELITECAD users

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## ELITECAD ARCHITECTURE 16 R2 Update (March 2023)

- ✓ Architecture: Optimisation of room labels in non-Western European regions
- ✓ Architecture: Optimisation when changing the representation level with freezing and other settings
- ✓ Architecture: Optimisation of individual casement widths of windows with free contours
- ✓ Architecture: Improvement of the height section line in relation to dormers
- ✓ Quantities: Wall, floor, ceiling coverings: Material and area are now also calculated under the main object "Room"
- ✓ PDF Output: Performance and file size optimisations when using many small arcs
- ✓ PDF Output: Improvement in the intensity setting of background images
- ✓ PDF Output: Optimisation of floor plans sections
- ✓ PDF Output: Optimisations where larger character spacing is concerned
- ✓ PDF Output: Optimisations related to scaled line widths
- ✓ PDF Output: Optimisations where larger TTF fonts are concerned
- ✓ General: Optimisations for the cadastral community, property number, registry number in the title block
- ✓ General: Improved copying of views in the views manager
- ✓ General: Optimisation when unloading toolbars from the tools manager
- ✓ General: Optimisation relating to dimensional constraints when updating architectural objects
- ✓ General: Optimisation of chain dimensioning in detail views with parameter groups
- ✓ General: Optimisation when deleting visualisation materials of stairs and railings
- ✓ General: Optimisation when loading older (< V16) drawings after importing user materials into V16
- ✓ General: Optimisation with the visualization material assignment mode's "replace" function to include "remove material"
- ✓ General: Optimisation of the focus control between entry line and property bars
- ✓ General: Improvements when loading external bitmaps in toolbars
- ✓ IFC4 Export: Improvement of opening elements when used in combination with window sills and logically linked walls
- ✓ IFC4 Export: Optimisations for ceilings and floors with drains
- ✓ IFC4 Export: Improvement when dividing walls with curved sections
- ✓ IFC4 Import: Extended error output
- ✓ DXF/DWG import: Optimisation during 3D DXF/DWG import: Optimisation during 3D import
- ✓ DXF/DWG import: Optimisation when importing empty ACIS elements
- ✓ DXF/DWG: Improvement when saving the configuration
- ✓ Numerous other optimisations based on feedback from ELITECAD users

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