

## 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
  
- ☑ Banister: New table depiction of banister modifications
- ☑ Banister: Improvements by the import of banister height markers to make point references similar to point clouds
- ☑ Banister: Optimisation by the import of differing decimal and list-separating characters
- ☑ Banister: 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

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 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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