

ELITECAD AR14.1 R8 Update (September 2020)

- ☑ Database: Update of the connectors to the database and support for MySQL Classic 5.1.73
- ☑ Dimension values: Improvements for measuring distances in "Define coordinate system"
- ☑ Dimension values: Adjustments when exchanging height symbols with "Copy parameters"
- ☑ Interface DXF/DWG: Adjustments and improvements
- ☑ Interface IFC: Improvements when importing Revit models regarding the renovation status
- ☑ Interface IFC: Improvements for importing DBD models
- ☑ Interface IFC: Adaptation of the import to changed attribute names from Allplan 2019
- ☑ Interface IFC: Revision of the import of window openings transcending storeys and transcending walls
- ☑ Interface IFC: Export possibility of special mechanical profiles
- ☑ Interface IFC: Import takeover of the lengths of profile beams
- ☑ Interface PDF: Numerous import improvements
- ☑ Languages: Optimizations and improvements for the Russian ELITECAD version
- ☑ Languages: Optimizations and improvements for the Greek ELITECAD version
- ☑ Library: 2D Library parts that are placed directly on walls are now correctly assigned to the room as furniture
- ☑ Lists / reports: List generator for Excel lists has been expanded to include the option of using filters
- ☑ Localization: General update of the standard title blocks
- ☑ Localization: English object attributes were updated (e.g. Russia)
- ☑ Performance: Fixed problem with large models where certain background checks take too long
- ☑ Quantities: Adjustment when calculating living space below quarter and half-turn stairs
- ☑ Quantities: Improvement in the evidence of living space
- ☑ Quantities: Automatic placement of docu-texts overlaps on doors and glass elements evaluated as doors overlap
- ☑ Room: Corrections when manipulating free room contours with recesses
- ☑ Room: In a rotated coordinate system, room names retain their orientation even after changing the structure setting
- ☑ Room: Improvement in room definition in connection with logically linked walls with a layer "air"
- ☑ Select parameters: Extensions to the selection of all elements of the same type
- ☑ Stability: Improvements to the "Structure" dialog
- ☑ Stability: Improvements in "Views" and the "View Properties" dialog
- ☑ Stability: Free frame contour in the "tool for window division"
- ☑ Stability: Improvements when loading assemblies
- ☑ Stability: Numerous other improvements for even more security
- ☑ Stair: Manual winding is retained when copying
- ☑ Stair: Maintaining the winding delay when changing parameters
- ☑ Stair: Improvements to modular stairs with railings
- ☑ Stair: Adjustments to stringers at the stair head for quarter turn, free and spiral staircases
- ☑ Stair: Correction of invalid values in the input mask
- ☑ Stair: Correction when manipulating
- ☑ Stair: Numerous other optimizations and improvements
- ☑ Numerous other optimizations and improvements according to feedback from ELITECAD users

You find additional information in the ELITECAD Welcome Screen („?“ > „Welcome to ELITECAD!“) and online under www.elitecad.eu

Previous Updates

ELITECAD AR14.1 R7 Update (September 2019)

- ☑ Views: Improvements for when rotating in plan views
- ☑ Views: Improvements in SOLID background images in sections and views
- ☑ Quantities: Extension for the volume calculation of free walls and contour walls
- ☑ Quantities: Improvement of the calculation of ceiling coverings in the renovation planning
- ☑ Quantities: Spaces are now also calculated when "Openings in 3D" is not active
- ☑ Building management: After creating an automatic dimensioning, their definition lines are hidden
- ☑ Building management: Parameters for walls, floors and dimensions are synchronized and kept up to date
- ☑ Labeling: Adjustments of auto text „View type“
- ☑ Window: Improvements to muntins divisions on multiple casement window
- ☑ Window: Adjustments in "Copy parameters" of thickness and depth of muntins and special window and frame widths
- ☑ Window: Improvements in "Copy parameters" of profile cross sections on free casements
- ☑ Window: Adjustments to the 2D representation of fixed glazing parts
- ☑ Window: Adjustments to the 2D representation in logically linked walls
- ☑ Window: Improvements in side reveal areas when window openings touch side wall surfaces
- ☑ Banister: Improvements when creating by contour
- ☑ Banister: Improvements for creating free railings
- ☑ Storey management: Improvements to "save all storeys" if an internal reference has the same name as the storey
- ☑ Help: Optimized displaying in Adobe Acrobat Reader DC 2019
- ☑ Measure: Improvements in measuring angles
- ☑ Performance: „Refresh AR-Objects“ accelerated for larger models
- ☑ Performance: „Refresh rooms“ accelerated for larger models
- ☑ Structure-settings: Improvements to project data so that it is no longer switched to other projects in special cases
- ☑ Room group: Adjustments to sum up room areas including niches
- ☑ Room: Optimization of the room calculation for special cases of room-separating objects
- ☑ Room: Improvements of tolerances in room calculations for special cases
- ☑ Reference: Improvements in exporting internal references
- ☑ Interface | DXF/DWG: Adjustments and improvements
- ☑ Interface | IFC: Extensions for the consideration of changed window parameter names for IFC2x3 imports (from ArchiCAD 22)
- ☑ Interface | IFC: Additional security checks and enhancements for IFC2x3 imports (from Allplan 2019)
- ☑ Interface | IFC: Improvement for IFC2x3 import of special floors
- ☑ Interface | SketchUp: Extensions to export also texture names (*can be activated with Windows environment variable EC_SKP_MAT_NAME = 1*)
- ☑ Interface | SketchUp: Improved preservation of the texture names on export after changes to the 3D model.
(*Use case: Automatic texture mapping when updating the geometry changes in LUMION*)
- ☑ Languages: Optimizations and improvements for the Russian ELITECAD version
- ☑ Languages: Optimizations and improvements for the Greek ELITECAD version
- ☑ Stability: Improvements for calculations of real-time reflections
- ☑ Stability: Improvements for MacOS with Parallels Desktop, although it is not a recommended and supported installation for ELITECAD
- ☑ Stability: Numerous improvements for even more security
- ☑ Stair: Improvements to the plan depiction of stair railings
- ☑ Stair: Improvements of the tear lines in stair plans
- ☑ Stair: Improvements for „Adopt parameters“
- ☑ Stair: Improvements in staircase geometry with manual windings of spiral staircases
- ☑ Stair: Improvements of the geometry of spiral staircases with angles over 360 °
- ☑ Stair: Improvement of stair stringers on free form, spiral and modular stairs
- ☑ Stair: Numerous other optimizations and improvements
- ☑ Wall: Optimizations of automatic wall intersections
- ☑ Wall: Improvements when stretching walls with free defined wall ending
- ☑ Numerous other optimizations and improvements according to feedback from ELITECAD users

ELITECAD AR14.1 R6 Update (February 2019)

Performance: Important adjustments and stabilisations for current Windows 10 version 1809 (and some earlier versions)

- ☑ Project management: Apply the existing project group by NEW PROJECT with project group
- ☑ Project management: "Alternatives" does not save the shown / visible, but the entire drawing / file
- ☑ Building management: Structure settings can be closed with „x“
- ☑ Representation levels: Stabilizations for "copy" and "import" of representation levels
- ☑ Library: Insertion height changes also possible for compound library parts
- ☑ Select parameter: Current image display is used - no search over all objects / elements
- ☑ Copy parameters: Improvements when copying dimensions and background color or turning over dimension texts
- ☑ Dimension values: Improvements for measuring distances in groupings
- ☑ Drawing: Adaptation when creating "Rectangle by dimensions and reference point" and simultaneous operation of the mouse wheel
- ☑ Wall: Improvements when dividing round walls
- ☑ Stair: Adjustments of the stringer and the exit in the stair plan (free and spiral stair)
- ☑ Stair: Adjustment of the structure of straight stairs
- ☑ Stair: Adjustment of the stringer for spiral stair
- ☑ Keyboard commands: Stabilisation of the display in the context of double occupancy
- ☑ Interfaces: Stabilisations for PDF import
- ☑ Interfaces: Stabilisations for BCF export
- ☑ Interfaces: Adjustments for DXF / DWG import
- ☑ Open drawing: Adjustments when loading data from previous ELITECAD software versions (V13 or before)
- ☑ Dimensioning: Parameters of the section lines are now accessible through switching in the property bar and not only with the active function "Define section line for walls"
- ☑ Quantities: Adjustments and improvements for additional room assemblies and conversion of standards
- ☑ Layer management: Stabilisations for layer manager
- ☑ Coordinates: Adjustments for manipulation in a rotated coordinate system
- ☑ Coordinates: Adjustments for manipulation in a geometer coordinate system and with the unit gon.
- ☑ Various improvements according to customer feedback

ELITECAD AR14.1 R5 Update (December 2018)

- ☑ Generate structures: Selection of predefined parameter sets for walls and slabs
- ☑ Generate structures: Configurable automatic dimensioning
- ☑ Layer management: Change of current layer when editing objects is now an option
- ☑ Layer management: Further actions for the current layer (hide, lock, delete)
- ☑ Views: Open/close of all groups in the views manager
- ☑ Views: Depiction of demolition objects in renovation planning
- ☑ Project management: The function NEW PROJECT was simplified
- ☑ Project management: New function to create project variations
- ☑ Project management: Usage of project templates in the welcome screen
- ☑ Storey management: New function to show all storeys
- ☑ Storey management: UNDO for storeys and structures for showing, hiding, locking and showing a single storey or structure
- ☑ Working in a team with separated storeys: Now it is impossible to overwrite a storey accidentally, which was loaded as a reference.
- ☑ Working in a team with separated storeys: Separate storeys with internal references is now possible

ELITECAD AR14.1 R5 Update (December 2018) | Continuation

- ☑ Welcome screen: Function NEW PROJECT directly accessible
- ☑ Welcome screen: Selection of project templates and function to delete the list of recently opened files
- ☑ Welcome screen: Graphical preview of recently used drawings and project templates
- ☑ User interface: Display of shortcuts in menus and tooltips for many additional functions
- ☑ User interface: Display UNDO steps in the menu and as a tooltip
- ☑ User interface: New toolbar for renovation planning
- ☑ User interface: Icons for many functions in menus
- ☑ Text: Non-breaking space available in the function INSERT SYMBOL
- ☑ Drawing: New help line through a point and an angle relative to an existing line
- ☑ Drawing: The new arc function using start point / point on arc / end point now enables drawing of arcs via radius / start point / end point or start point / tangent / end point.
- ☑ Manipulations: Display of reference points for 2D objects
- ☑ Manipulations: The function for moving reference points was unified for all objects
- ☑ Manipulations: Deleting with Back / backspace
- ☑ Manipulations: New centre handles for wall openings, doors, windows and glass elements
- ☑ Manipulations: New handle in the centre of 2D rectangles and rectangular architectural objects like columns or slab openings
- ☑ Manipulations: Copy with CTRL-key
- ☑ Manipulations: Displaying handles (only 2D / only 3D / 2D and 3D) using the TAB key for some architectural objects (e.g. columns)
- ☑ Manipulations: Graphical preview of glass elements
- ☑ Rotating with point input: Switching between different input methods
- ☑ Rotating with point input: Selection of variants via input assistant
- ☑ Rotating with point input: Graphical preview of the inputs for the point and angle
- ☑ Mirroring with point input: Switching between different input methods
- ☑ Mirroring with point input: Selection of variants via input assistant
- ☑ Mirroring with point input: Graphical preview of the inputs for the axis
- ☑ Scaling with point input: New function with graphical input
- ☑ Drawing: New rectangle function by providing two points and one point on the opposite side
- ☑ Drawing: Objects can be created directly from a parallel contour
- ☑ Drawing: Better graphical preview for drawing, measuring, etc.
- ☑ Copying parameters: The layer is now transferred for 2D objects
- ☑ Selection: New function for selecting objects via parameters
- ☑ Hatch: Unification of hatch and covering hatch
- ☑ Hatch: Interactive alignment of hatches
- ☑ Hatch: Multi-coloured model hatch
- ☑ Architecture: Depiction of bearing / non-bearing components in views
- ☑ Architecture: Dimensioning of bearing / non-bearing components
- ☑ Window: New labelling type
- ☑ Window: The height of the lower edge can now be defined for blind cases
- ☑ Truss: Rotation of balusters is now configurable
- ☑ Truss: Variable height of balusters
- ☑ Truss: Braces with position information
- ☑ Banister: Banisters can now be generated from closed contours
- ☑ Stairs: Stair head and foot is now possible for winding stair types
- ☑ Stairs: New input possibilities for free stairs
- ☑ Stairs: Conversion of winding stairs into free stairs is now possible
- ☑ Stairs: Editing contours of free stairs is now possible
- ☑ Slab: New labelling "usage" of slab openings

ELITECAD AR14.1 R5 Update (December 2018) | Continuation

- ☑ Wall opening: The parameter dialog has been unified with the door
- ☑ Wall opening: Stops for wall openings
- ☑ Door: Pointed arch doors with better presets
- ☑ Door: New door jamb types: on wall frame and free frame
- ☑ Door: Jambs with door stops for all types
- ☑ Height marker: New autotext for the display of absolute values
- ☑ Height marker: Optional leading plus sign
- ☑ 3D objects: 3D parameter dialog can be opened before creating new 3D objects
- ☑ ELITECAD configuration: Can be launched from the ELITECAD menu
- ☑ ELITECAD configuration: Path for project templates
- ☑ Camera: New function for the definition of camera paths
- ☑ Save: New function: Save drawing for transfer with all data in one file
- ☑ Languages: ELITECAD is now available in a Russian version
- ☑ Performance: Improvements e.g. in the rendering process result, complex hatchings
- ☑ Real-time-visualisation – VR: ELITECAD now includes the native integration of SteamVR
- ☑ Real-time-visualisation – VR: Support of additional VR devices (HTC Vive, Windows Mixed Reality ...)
- ☑ Real-time-visualisation – VR: New VR Room-Scale Setup
- ☑ Real-time-visualisation – VR: Support of VR-hand-controller
- ☑ Real-time-visualisation – VR: Improved depiction of the round VR menu relative to the controller
- ☑ Real-time-visualisation – VR: Display of interaction pointers with coloured rays
- ☑ Real-time-visualisation – VR: VR status notifications
- ☑ Real-time-visualisation – VR: Direct call of VR functions (direct library part exchange, material change, selection/display of object information)
- ☑ Real-time-visualisation – VR: Pausing audio output
- ☑ Real-time-visualisation – VR: Better transition when teleporting
- ☑ Real-time-visualisation – VR: VR flashlight available by hand controllers
- ☑ Real-time-visualisation – VR: Improved image quality in shader mode using Fast Approximate Anti-Aliasing (FXAA), trilinear texture filtering
- ☑ Real-time-visualisation – VR: Improvements of soft shadows, ambient occlusion (SSAO) and adaptive transparency
- ☑ Quantities: The quantities of doors were extended for the frame type “on wall frame”
- ☑ Quantities: Individual display of docutexts per object
- ☑ Quantities: Evaluation and display of all architectural opening objects (wall-, slab-, ceiling- and roof-openings)
- ☑ Quantities: Openings of windows and doors are hierarchically associated with the according doors and windows
- ☑ Quantities: The quantities of free walls and contour-walls were extended with the calculation of the ground area
- ☑ Quantities: Objects like ceiling covering, ceiling upper layer, etc. are now featured in the quantities of the exterior space as well
- ☑ Quantities: Resetting option for base data to the initial default state
- ☑ Quantities: Using the option “subtraction checks (openings)“, it is possible to control the application of the rule of disregarding openings
- ☑ Quantities: The performance of reading the base data (e.g. material substitutions) from the database was improved dramatically
- ☑ Quantities: Free objects, that were missing too much data, are now listed in reports
- ☑ Quantities: Improvement for slabs with multiple subsequent similar layers
- ☑ Quantities: The area verification with reduced depiction does not include single surfaces anymore and was adjusted to portrait format
- ☑ Quantities: Column widths and alignment of headers were optimized.
- ☑ Quantities: The possibility to control page breaks was extended
- ☑ Quantities: The raw data, that reports are based on, can now be saved in addition to the reports
- ☑ Interfaces DXF/DWG: Support up to the new version 2019
- ☑ Interfaces SketchUp: Support up to the new version 2018
- ☑ Interfaces SketchUp: Configurable export version
- ☑ Interfaces IFC: More detailed import of IFC files generated from other CAD applications, depending on the version of the exporting program
- ☑ Interfaces IFC: Better treatment of corrupt data
- ☑ Various improvements according to customer feedback

ELITECAD AR14 R4 Update (March 2018)

- ☑ Renovation planning: New toolbar “renovation planning” with new functions „Create new state after renovation” and „Restore old state before renovation” and Time states including animations (animation type and duration configurable in options)
Note: toolbar „Renovation planning” has to be loaded after the update:
„Settings” > „Toolbars/Keyboard commands” > Section „Toolbars” > „Renovation planning”
- ☑ Renovation planning: New shortcut „CTRL+J” for „Renovation planning coloured on/off”
- ☑ Quantities: Adaptions of the sums of fillets in reports for ÖNORM (2011), DIN277 and EN-15221-6
- ☑ Quantities: Free objects with width and height
- ☑ Quantities: Fire proofing added to door list
- ☑ Library: Improvements for switching library parts
- ☑ Clipping: Parameter „planes uni coloured” corrected
- ☑ Roof: Improvements in 2D plan graphics
- ☑ Roof: Intersection of pent roofs now possible with multiple angles
- ☑ Roof: Automated adaption of trimmers on changes of parameters and distance of rafters
- ☑ Window: „Copy parameters” function take window division of corner windows into account
- ☑ HiDPI: Adaptions and extensions
- ☑ Help: Adaptions to allow opening the help after the last update of Adobe Acrobat (Reader) DC 2018
- ☑ Help: In case Adobe Acrobat (Reader) is not installed, the help is opened with the defined standard PDF application
- ☑ Camera: Camera path can be played in an infinite loop
- ☑ Camera: Activated 2D elements stay activated during snapshot/video generation, deactivated Skyboxes stay deactivated.
- ☑ Layer: Improvements in the layer operations
- ☑ Menu „Extras” reworked and added „renovation planning” with „Create new state after renovation” and „Restore old state before renovation”
- ☑ Copy parameters: Removed property „outer wall” and property „wall type” is now available for multi-layered walls
- ☑ Copy parameters: text angle in rotated coordinate systems
- ☑ Room: Range and Usage type are saved with room parameters
- ☑ Interfaces: Enhancements and extensions for text import with DXF/DWG
- ☑ Interfaces: Numerous optimisations and enhancements for IFC import and export
- ☑ Interfaces: Enhancements for BCF export
- ☑ Interfaces: Import SketchUp 2018
- ☑ Usability: Coloured depiction of the frame area (current working plane) configurable in parameter view dialog
- ☑ Usability: New shortcut „CTRL + SHIFT/SWITCH + F” for coloured depiction of the frame area (current working plane)
- ☑ Wall: Improved review for “move wall axis”
- ☑ Welcome Screen: Graphical enhancements, text buttons replaced by icons, repositioned „First steps” / „Release Notes”
- ☑ Various improvements according to customer feedback

ELITECAD AR14 R3 Update (November 2017)

- ☑ Renovation planning: Improved „Divide wall“ function for main/side walls with windows
- ☑ Renovation planning: Improved 2D representation of window openings in logically linked walls
- ☑ Renovation planning: Improved 2D representation of texts
- ☑ Renovation planning: Optimised 2D representation „colour representation“
- ☑ Renovation planning: Correct depiction of the roof/floor intersections when calculating wall quantities
- ☑ Renovation planning: Changes to AR objects optimised with activated depiction
- ☑ Renovation planning: Optimised creation of demolition/new construction walls in openings with height reference „slanted above/below“
- ☑ Renovation planning: Priority of wall/ceiling materials is considered for existing construction

- ☑ Wall: Improved 3D slots in walls with existing contour

- ☑ Door: 2D opening symbol can be displayed with any angle (also greater than 90°)
- ☑ Door: Gap between 3D door leaf and floor freely configurable

- ☑ Slab/ceiling opening: Reference point can be changed later in the editor

- ☑ Room: Extension of the list of attribute names of the room label by „Room height“ and „Minimal room height“
- ☑ Room/Quantities: Extension of the area types of rooms (a, b, c), (R, S), (GF, AGF) according to the new standards
- ☑ Quantities: Multi-selection of reports is possible

- ☑ Text: Special capital character „ß“ for ELITECAD graphic texts (TrueType fonts) available (keyboard and context menu)
- ☑ Text: OpenType fonts with PostScript outlines are taken from Windows

- ☑ Usability: Faster „Copy/Paste“ of drawing parts
- ☑ Usability: Shapes (default setting) of visualisation materials configurable in the material editor
- ☑ Usability: Preview calculation (default setting - with or without shader) of visualisation material configurable in the material editor

- ☑ Welcome Screen: Display of a default image if there is no internet connection
- ☑ Welcome Screen: Optimised performance

- ☑ Performance problem fixed when starting ELITECAD
(since Windows 10 Fall Creators Update Version 1709)

- ☑ Graphics/Shader: Shader problems on graphics cards (e.g. NVIDIA) with OpenGL 4.6 graphics drivers fixed
(since Windows 10 Fall Creators Update Version 1709 or using recent graphics card drivers)
- ☑ Graphics/Shader: Shader problems on Intel HD-Graphics fixed
- ☑ Graphics/Shader: Display of the currently free graphics card memory in the status line of ELITECAD (NVIDIA and AMD/ATI)
- ☑ Graphics/Shader: Consideration of the graphics card memory during the cubemap calculation in shading mode
- ☑ Graphics/Shader: Improved depiction of renovation planning in shading mode
- ☑ Graphics/Shader: Optimised depiction of grass in shading mode

- ☑ Interfaces: Enhanced DXF/DWG import and export with native support for AutoCAD 2018 files
- ☑ Interfaces: Faster IFC import of large files and optimised IFC export
- ☑ Interfaces: Improved PDF import and export
- ☑ Interfaces: Extended SketchUp export – Material without texture takes on colour and transparency

- ☑ Various improvements according to customer feedback
(Copy/Move/Refresh AR objects, copy parameters, show parameter read mode and much more)

ELITECAD AR14 R2 Update (July 2017)

- ☑ Enhancement of library parts: New function for dissolving a library part
(Select library part > right mouse click/context menu > „Dissolve library part“)
- ☑ Enhancement door: Door frame texture is preserved
- ☑ Enhancement renovation planning: State added to terrain
- ☑ Enhancement renovation planning: Construction openings now possible in logical associated walls
- ☑ Enhancement camera path: Request for choosing the first camera path automatically
- ☑ Enhancement: AR14 drawing preview in high quality in Windows Explorer
- ☑ Enhancement: List of recently used files increased to 10 entries
- ☑ Enhancement / Adjustments of renovation planning
- ☑ Adjustments for reading of EliteCAD drawings which were created before AR14
- ☑ Improvement / Optimisations of terrain
- ☑ Improvement / Optimisations of camera path (Creating, selection and so on)
- ☑ Improvement / Optimisations of video capturing
- ☑ Improvement / Optimisations of 360° video capturing
- ☑ Improvement / Optimisations for performance
- ☑ Improvement / Optimisations for shading (when using minimum system requirements)
- ☑ Improvement / Optimisations of HiDPI
- ☑ Improvement / Optimisations for plot views in rendering mode
- ☑ Improvement / Optimisations for plot views in solid (shader) mode by using different parameters
- ☑ Improvement / Optimisations of the welcome Screen (“?” > “Welcome to EliteCAD!”)

- ☑ Improvement / Optimisations of PDF import and export
- ☑ Improvement / Optimisations of the IFC interface
- ☑ Improvement / Optimisations of the DXF/DWG interface

- ☑ Various improvements according to customer feedback