![REPL Infosystem — The Power of Knowledge]
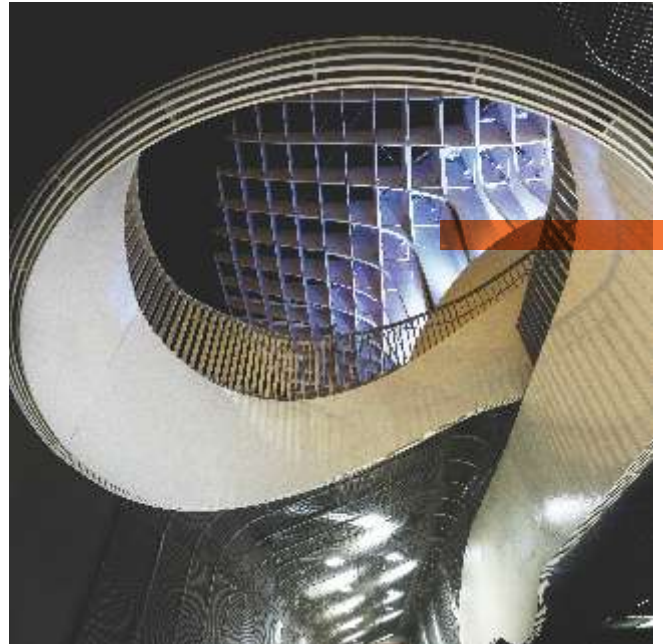
GRAPHISOFT
ARCHICAD 25

GREAT
DESIGN
IN EVERY DETAIL

ARCHICAD 25

delivers an even more
responsive BIM performance
by increasing the speed of
everyday design and editing processes,
and ensuring uninterrupted
routines for the
most frequently used tasks

The brand-new Opening Tool and the advanced Column and Beam tools further increase modeling accuracy, enabling fast editing and streamlined, error free, interdisciplinary design coordination. The ARCHICAD-Solibri connection provides fast and automated constructability checking. The ARCHICAD-dRofus connection helps to capture and organize client planning requirements, even when designing large and complex projects.

Design

Accurate Modeling, Intuitive Editing, Precise Documentation

ARCHICAD 25 enables architects to model faster and create accurate construction details and quantity estimations for reinforced concrete, complex steel, timber and composite beams and columns using the features as priority based connections.

Building views, sections, elevations, interior elevations and 3D documents are all derived from BIM and updated automatically.
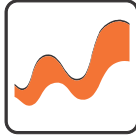
Re-Engineered Column and Beam Tools

ARCHICAD 25 enables Complex columns, curved and haunched beams to be modeled and documented to meet graphic and representation standards. Beams and columns can be displayed using various projected and symbolic views and cover fills.
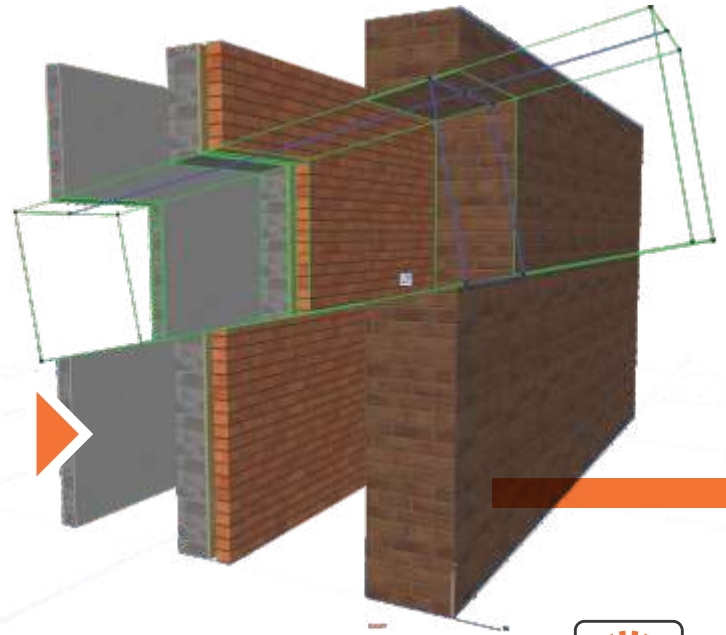
Coordination

Voids, Niches and Recesses for Both Architects and Engineers

ARCHICAD 25 introduces a new Opening Tool dedicated to modeling and coordinating project design voids, recesses and niches-as horizontal, vertical or slanted openings across elements, element groups or even across stories.

Such openings are important for project coordination as they are equally relevant for architects, engineers and consultants, and must be documented by both architects and engineers. Openings can be modeled, scheduled and documented using intuitive tools, and shared using IFC.

MEP Modeler

The GRAPHISOFT MEP Modeler™ is an ARCHICAD® Add-on. Enables to create and edit 3D model-based MEP networks (ductwork, pipework and cable tray systems) and coordinate them within the **ARCHICAD** Virtual Building. The MEP Modeler uses a familiar interface and tools integrated right in the ARCHICAD environment.

What's New in ARCHICAD 25

Collaborate
Archicad supports more than 40 export and import formats, including classics such as DWG, PDF and XLS as well as the contemporary OPEN BIM formats IFC and BCF.
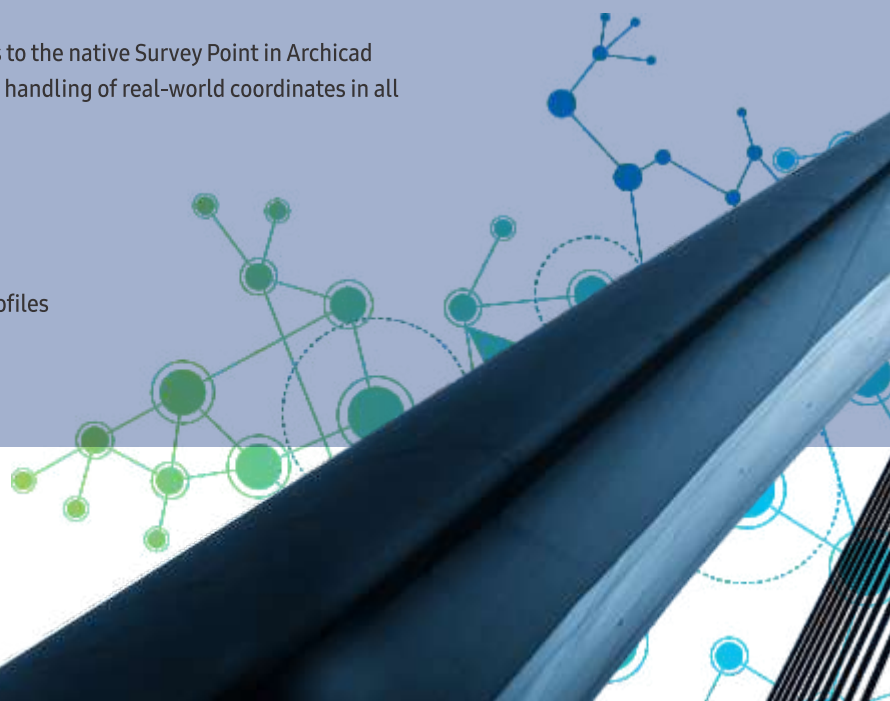
New Native Survey Point
Streamline your coordination workflows thanks to the native Survey Point in Archicad 25. The Survey Point enables easier, centralized handling of real-world coordinates in all Open BIM workflows.

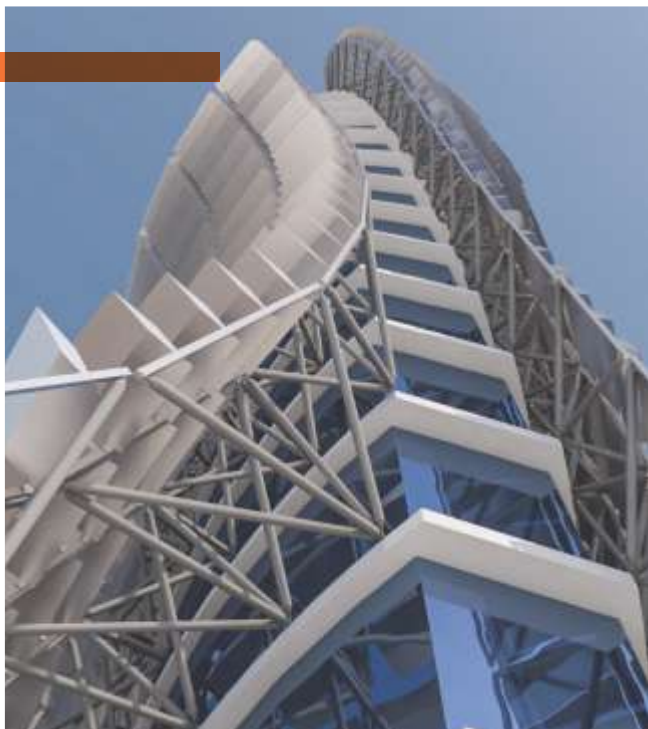### Structural Analytical Model Improvements
Generation Rules enhancements
New Handling of Structural Loads
Automatic Export Mapping of Manufactured Profiles

Collaboration

Work Smarter not Harder

The ARCHICAD-Solibri connection provides fast and automated code and constructability checking. The updated add-on automatically detects and sends only those elements that are changed in the ARCHICAD model, resulting in faster round-trip collaboration. BCF based issue reporting was introduced to this workflow, enabling designers to assign the detected issues or solve them later on.

Algorithmic Design and BIM

The bi-directional Rhino-Grasshopper-ARCHICAD connection enables designers to create free-form, algorithmic designs with the most widely used and robust tools available, and then translate them into the BIM.

Thanks to the live, associative nature of the connection, architects can build versatile workflows and utilize this connection in multiple design scenarios at any stage of the design process - using either Apple macOS or Microsoft Windows platforms.

ARCHICAD 25 fully supports IFC4 Reference View (its new entity and geometry representation types), and has received official building SMART certification for IFC4 Reference View Export.

IFC Manager allows full control of IFC properties and classes enabling you to share only the relevant design information with engineers and consultants.

Faster Response Times

ARCHICAD 25 features faster response times compared to previous versions, as well as an increased focus on seamless and uninterrupted workflows.

Experience faster opening of projects, smaller file sizes, faster IFC import-export, and instant switching between tabs thanks to optimized CPU multi-threading operations. The rebuilding time of model views has been reduced, as ARCHICAD rebuilds only the changed elements, not the entire contents of the view.

More Important Features

MORPH AND SHELL TOOL:
Design with Freedom

Façade Design–
Provides a flexible design environment to create easily customizable patterns
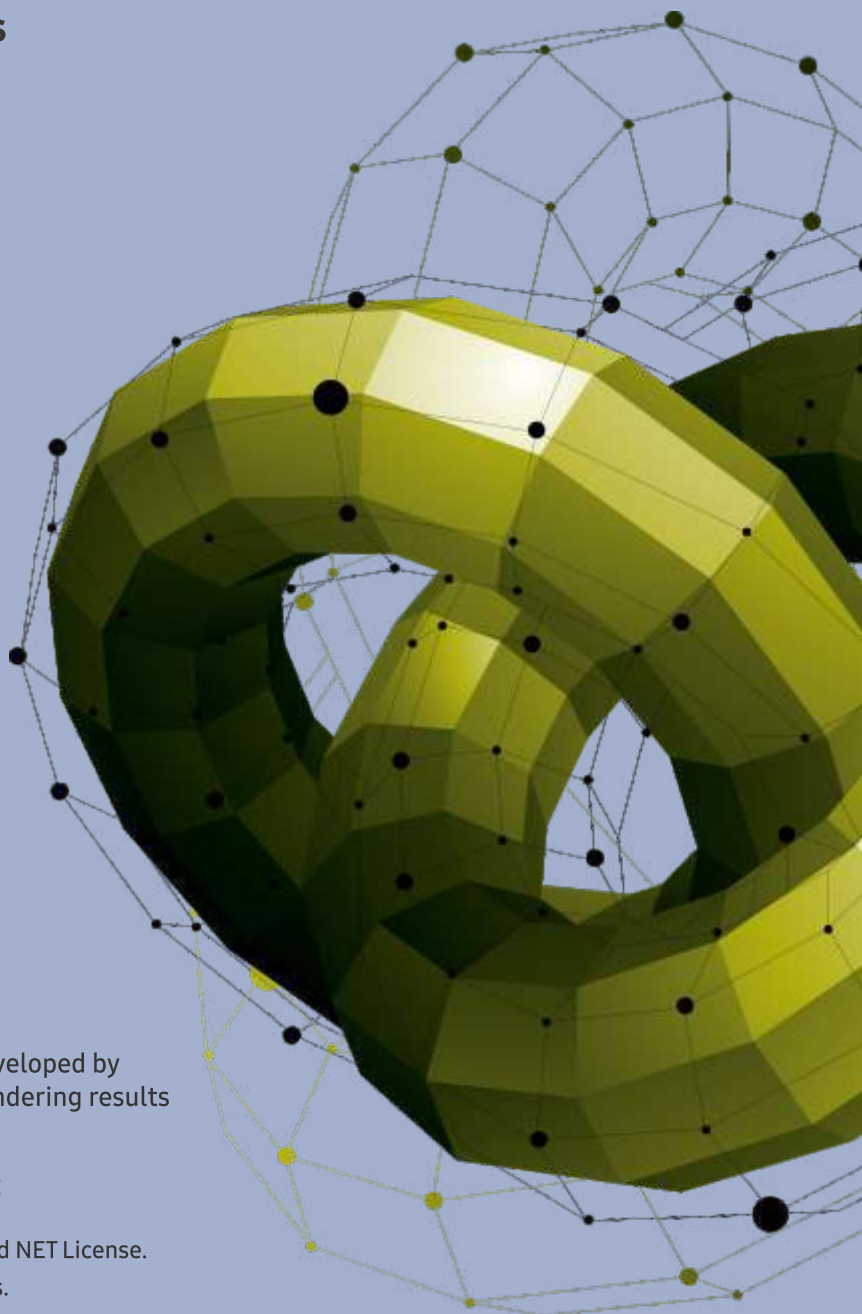
Teamwork BIM Cloud

Pro Visualization
The new CineRender (R20) engine developed by Maxon allows quicker and cleaner rendering results

ARCHICAD license types:

• ARCHICAD International Commercial and NET License.
• ARCHICAD Licenses for Young Architects.
• ARCHICAD Rental/Subscription Licenses.
• ARCHICAD Start Edition Licenses.
• ARCHICAD License Upgrades.
• ARCHICAD Student and Educational Licenses.
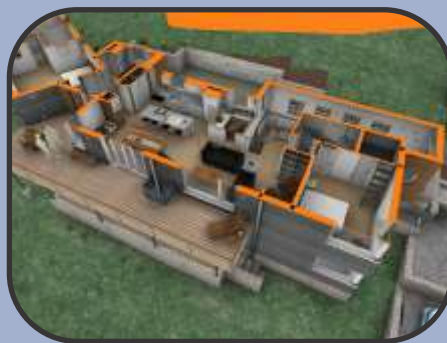
GRAPHISOFT BIMx®

BIMx is an integrated application for project presentation. It allows users to navigate an integrated walkthrough, drawing/documentation package and 3D building model.

· Real-time 3D cutaway
· Fly & Walk mode
· Comprehensive building component information
· Trace 2D drawings on 3D
· Real-time model cut-throughs, walkthroughs, sections & sectional views
· Photo-realistic mode
· Access to any building component-related BIM information

Twin Motion

It is an intuitive, high-quality real-time architectural visualization tool that lets you take your BIM or CAD models to high-quality images, panoramas, standard or 360° VR videos, and complete client presentations in seconds!

Key features

· Unprecedented real-time quality
· Incredibly easy to learn and use
· Seamless integration with your data pipeline
· Extensive high-quality asset library

REPL® Infosystem
The Power of Knowledge

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