



ARCHICAD 25.  
GREAT DESIGN  
IN EVERY  
DETAIL.



GRAPHISOFT  
**Archicad**<sup>®</sup>

## GUIDE

Follow the symbols to learn which innovations will best benefit your business.



### **SMALL- AND MEDIUM-SIZED PRACTICES:**

One- or two-person offices with small projects and classic workflows.



### **LARGE PRACTICES:**

Architectural firms with large projects and the strong involvement of certain disciplines.



### **INTEGRATED DESIGN PRACTICES:**

Integrated design teams that rely on efficient and transparent workflows.

## CONTENTS

Welcome	3
About Graphisoft	4
Archicad is BIM	5
Why choose Archicad?	6
Teamwork and BIMcloud	8
Design	12
Visualize	14
Document	18
Collaborate	20
OPEN BIM	22
Integrated design	24
GRAPHISOFT ID	26
Installation	27

## HELLO, AND WELCOME!

You've made a great decision — Archicad is an excellent choice! Work in 3D while paving the way for BIM. Our software is intuitive and easy to use, manages your design workflow, and gets the job done faster.

Packed with improvements, Archicad 25 is our best version yet! More ways to get to a powerful visualization faster. Innovations for even more accurate documentation. Optimized OPEN BIM collaboration. Lots of other improvements, big and small, simplify your daily work.

We've included all the essentials in this brochure. And if you have any questions, simply contact your local Graphisoft partner at any time. They'll be happy to help you with additional information, advice, and training. Because that's part of Archicad, too.

Have fun discovering Archicad 25!

**PS: The Graphisoft ID also makes things easier. It gives you access to Archicad 25 and to all that Graphisoft offers. Please be sure to read page 26.**



## BEFORE WE TALK SOFTWARE: **A BIT ABOUT US**

Who are the people behind Archicad?

At Graphisoft, we've not only studied architecture and engineering, we've also worked in these fields. We know what makes architects tick, how they work, and what they need. Our goal is to provide you with the best possible architectural software: a tool that invites both intuition and creativity and brings efficiency to your design processes.

Developing this solution is our greatest passion – and we never stop. We talk with architects, designers, engineers all the time — constantly on the lookout for improvements, new technologies and tools, adding the most innovative ones to our toolkit. The Nemetschek Group, to which we belong, is the basis for our strong international background.

With Archicad, you have software that is  
a) made especially for architects, and  
b) always up to date.

35 years and counting.

# ARCHICAD IS BIM. AND BIM IS THE FUTURE



Aidea, Philippines

Archicad is BIM software. Building Information Modeling, or BIM for short, has largely replaced classic CAD.

When you explore Archicad, you will notice two things right away:

## 1. YOU'RE WORKING ON A CENTRAL 3D MODEL

Modeling is intuitive and fast, and you immediately see the dimensional and aesthetic effects of any changes you make.

## 2. THE INFORMATION IS STORED DIRECTLY IN THE MODEL

This can be information on the design, about operation, even instructions on how to recycle a

component. In later phases, you can add project or component information at any time — for example, fire protection or surface material specifications when preparing for construction.

Archicad is a BIM trailblazer. Our very first version of the software, in 1984, already included building information — long before the term BIM existed. We remain focused on one thing: Users should first and foremost design, create, and model — and not have to “think about BIM” all the time. First use your intuition, then get the information.

That's what many experts love about Archicad.

# 7+1

REASONS TO  
CHOOSE **ARCHICAD**

## 1. SIMPLY START MODELING

In Archicad, your intuition comes first. Just start working and let your ideas flow. It's easy thanks to features like the wall tool and the large, integrated libraries with pre-defined objects such as windows, doors, and furnishings. Define component properties at any time, and to a high level of detail.

## 2. DESIGNS ARE JUST A CLICK AWAY

Archicad saves you valuable time. You only need to create a 3D model once – and simply press a button to generate the associated floor plans, sections, and elevations. Every change you make to your building model is automatically transferred to all plans. This happens in the background, in a matter of seconds. Archicad intelligently taps into unused processor resources ensuring a smooth, uninterrupted workflow.

## 3. ALWAYS UP-TO-DATE MATERIAL LIST

Archicad automatically creates lists of all model elements such as walls, windows, doors, railings, beams, or façade elements. View the current component schedules at any time and adjust the list directly.

## 4. EASY DATA EXCHANGE

Export and share model data with colleagues thanks to the integrated publisher – with just one click. Archicad supports more than 40 export formats and, with its IFC interface, facilitates open collaboration and integrated workflows with engineers. Read more on page 22.

## 5. WORK IN A TEAM

Edit your project on multiple workstations, even simultaneously and from multiple locations. Stay in sync with all project team members with BIMcloud's Teamwork

function. Explore our Teamwork and BIMcloud solutions starting on page 8.

## 6. COMPELLING VISUALIZATIONS

Bring your projects to life – with an impressive presentation via desktop, notebook, tablet, or smartphone. Bridge the gap between the design studio and the construction site with award-winning BIMx, the most popular presentation and coordination app for all project stakeholders. BIMx helps even non-professionals easily explore the building model and understand project deliverables. Read more about visualization on page 12.

## 7. ARCHICAD KEEPS GETTING BETTER

One of Archicad's strengths is that it is constantly evolving. Our regular updates give you access to significant productivity and efficiency improvements, making it easy for you to benefit from the latest capabilities right away.

## +1. GRAPHISOFT FORWARD

Choose Graphisoft Forward to maximize value and productivity while lowering the overall cost of software ownership. Our Software Service Agreement offers exclusive tools, training, support, and extra services. Early access to downloads and free product updates guarantees that you'll benefit from the latest innovations and capabilities. Stay ahead of the pack.

Your local Graphisoft partners are happy to assist you with any further questions:  
[graphisoft.com/www/choose-region](http://graphisoft.com/www/choose-region)

## TAKING COLLABORATION TO THE NEXT LEVEL

Multiple users can work on the same 3D model. Say goodbye to cumbersome copying, chaotic referencing, and slow synchronization. There is always one joint project – and one project version.

Archicad and its Teamwork solution (via BIMcloud) is becoming increasingly popular, and for good reason: It reduces effort, saves time, and keeps everything organized.





**BIM lets us spend  
more time on  
designing and  
makes the  
production  
work more  
efficient.**

Abelardo "Jojo" Tolentino Jr.,  
Aidea, Philippines

# FIND YOUR PERFECT FIT: **BIMCLOUD SOLUTIONS**

**We'll help you find the right BIMcloud solution, taking into account the size of your teams and projects. You can choose to manage the necessary IT infrastructure yourself or outsource this task to us. See which BIMcloud option suits you best. Here's a quick comparison.**

## **BIMCLOUD BASIC**

The Basic version enables Teamwork in small to mid-sized teams. It's standard with Archicad and can be used at no additional cost.

Key features:

- All members of a project team work simultaneously on a central building model
- All team workstations are updated automatically, within seconds
- Easy management of access rights

## **BIMCLOUD**

The full version is recommended when working in large teams, from various locations, with high storage requirements, and/or with different Archicad versions. Contact your authorized Graphisoft partner for details about costs.

You get everything in the Basic version plus:

- Central storage and management of all project-related data (e.g., PDF, DWG, hotlink modules, PLN, IFC, JPEG)
- Access to project data for external parties – even without Archicad
- Direct publishing from Archicad to BIMcloud
- Embedding hotlink files from BIMcloud into Archicad
- Automatic versioning: Previous file versions and folder structures are retained; older versions can be restored at any time
- Automatic server backups and recovery capabilities
- Tracking function: Automatic notification of changes to specific components
- Detailed rights assignment and simple user management via LDAP technology
- Automatic reservation of elements in fractions of a second
- Unlimited data storage thanks to multiple BIMcloud servers under our management – individually extendable
- Simultaneous use from multiple locations
- Additional Teamwork features for BIMx: real-time communication with Teamwork members via tablet or smartphone. Discuss issues quickly, for example, directly from the construction site

**BIMCLOUD AS A SERVICE**

This solution is ideal if you want all BIMcloud benefits, but without the IT effort. With BIMcloud as a Service, we take care of the technical side of things – you simply upload your data. Convenience plus security, all for a manageable monthly or annual fee.

Your benefits:

- Zero IT investment up front
- No IT expertise needed: administration, maintenance, and backups are handled by Graphisoft

- Rapid deployment
- Unrestricted access to all BIMcloud functions, including storage of all project-related data (Archicad 24 and up)
- Full access from any location
- Extremely flexible and scalable: for larger projects, Graphisoft provides extra server capacities as needed
- Seamless updates: you automatically work in the current BIMcloud version
- External consultants – even those without Archicad – can access project data via web link
- Compatible with Archicad 20 and up

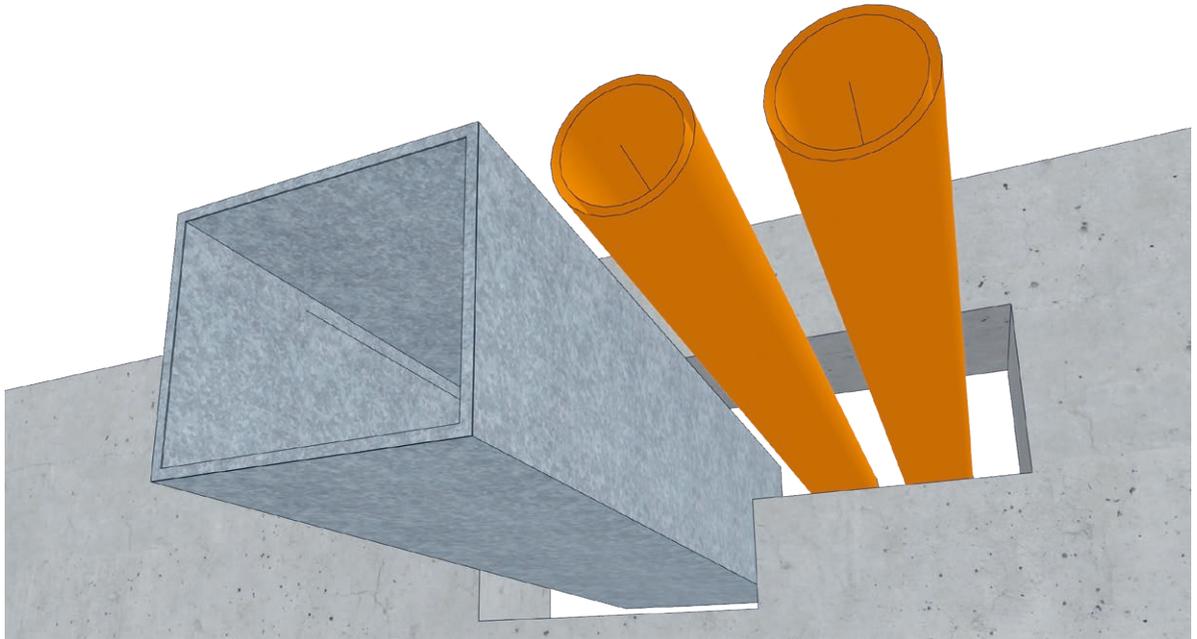
**OUR BIMCLOUD OPTIONS AT A GLANCE**

	<b>BIMcloud as a Service</b>	<b>BIMcloud</b>	<b>BIMcloud Basic</b>
<b>Simultaneous work on one central building model</b>			
<b>File storage (IFC, DWG, PDF, MOD, and more formats)</b>			
<b>Earlier file versions and folder structures can be restored</b>			
<b>External partners have access (upload/download) to specific folders</b>		 If access is granted	
<b>No IT investments up front (e.g., hardware)</b>			
<b>No IT costs for BIMcloud setup or maintenance</b>			
<b>Rapid deployment</b>			

Your local Graphisoft partners are happy to help you select the right BIMcloud solution.



## DESIGN: **EVEN MORE EFFICIENT IN EVERY DETAIL**



Great designs shine in the details. To help you excel, Archicad 25 makes work easier in many small ways — offering a significant boost in convenience, accuracy, and efficiency.

### **POLYGONAL OPENINGS**

Take advantage of more precise quantity estimations. With custom-shaped polygonal wall openings, create holes of any shape that exactly fit your MEP elements — resulting in more accurate quantities.



### **STAIR TOOL IMPROVEMENTS**

New Along Chord stair construction geometry method. Define the length of the walking-lines of stairs that comply with specific local standards. The existing Along Arc geometry method is still available.

### **NEW TREAD SYMMETRY COMBINATIONS FOR ALL WINDER TYPES**

A new stair winder option is now available: Turning Point – Asymmetric Going. Define and edit custom stairs that follow your design intent quickly and easily.

### **QUICK SHIFT BETWEEN 2D/3D VIEWS**

You're working in 3D, but want to edit a component in 2D? Simply select the element and open it in any other view. Moving back and forth from 2D to 3D is just as easy.

### **NEW STAIR LANDING CONTROL**

The extra landing length can now be automatically distributed equally from the landing start or from the landing end. This is useful when an existing staircase must be adapted to a changing design environment.

### **NEW RESIDENTIAL AND COMMERCIAL FURNITURE**

39 new contemporary furniture and household objects – such as new modular kitchen cabinets, sofas, clothes hangers, curtains, coat racks, tables, chairs, mattresses, and grills are now part of the default Archicad library – totaling over 1,300 parametric objects.

### **RHINO 6 AND 7 LIVE CONNECTION IMPROVEMENTS**

Import and export Rhino 6 and Rhino 7 files to leverage the power of these industry-leading free-form organic design tools, then switch to Archicad to continue the design development and documentation processes.

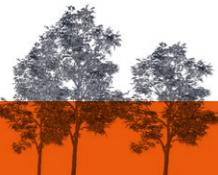


14

## VISUALIZE: **DESIGN TO IMPRESS**



Architecture is about more than just creating professional designs. It's about communicating intent, and the interaction between space and volume. Useful enhancements in Archicad 25 will make your designs even more powerful.



## TEXTURES AND SHADOWS

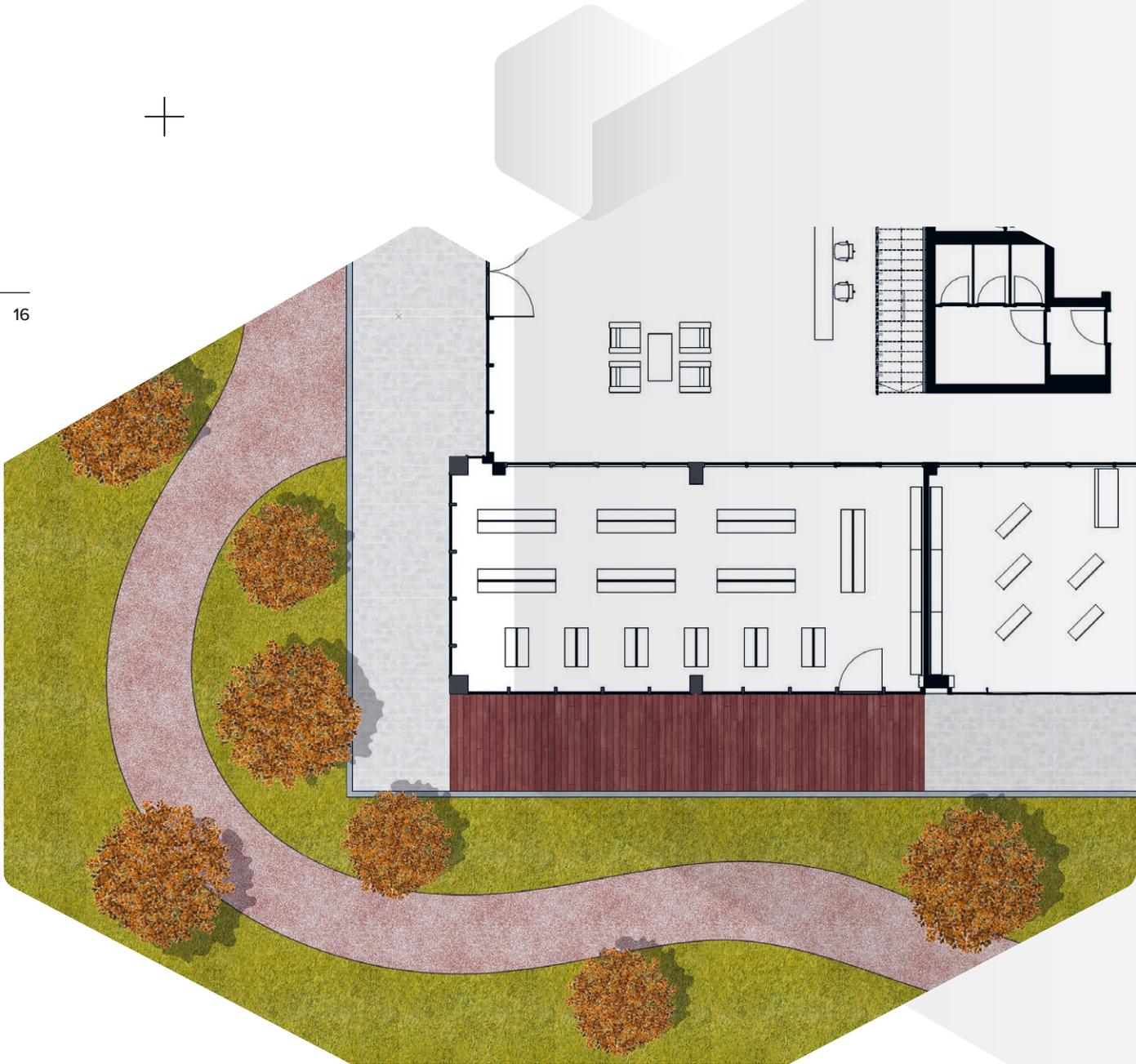
Communicate your design in life-like detail. Display your surface textures directly in section and elevation views in Archicad without the use of additional editing software.

Present your design with accurate, artistic details. Use soft shadows to add contours and depth to your surfaces in section and elevation views. Overlay textures with the pattern fill of your choice. Your client gets a better picture of the model, and you benefit from faster approval.





16



### **NATIVE METAL GRAPHICS TECHNOLOGY FOR MAC USERS**

3D rendering on Mac is faster than ever. Archicad now uses Metal, Apple's new graphics API, replacing Open GL. Metal has near-direct access to the graphics processing unit, resulting in faster rendering speeds.

### **REDSHIFT RENDERING ENGINE OUT OF THE BOX\***

Presentation-ready images are just a few clicks away, thanks to the industry-leading Redshift renderer. Redshift's capabilities enable faster rendering times – and are now available straight from Archicad 25.

\*Coming soon in a software update

### **INTEGRATED BIMX DESKTOP VIEWER**

Create compelling BIMx visualizations of your designs in next to no time, then present them with the new powerful desktop app, included with Archicad 25. The views in the desktop app are identical to those in the BIMx web viewer and mobile app.





## DOCUMENT: EVEN MORE PRECISION



Stay on top of the game with error-free documentation that automatically follows your design and complies with regulations and local standards.

### **ZONES IN SECTION/ELEVATION VIEWS\***

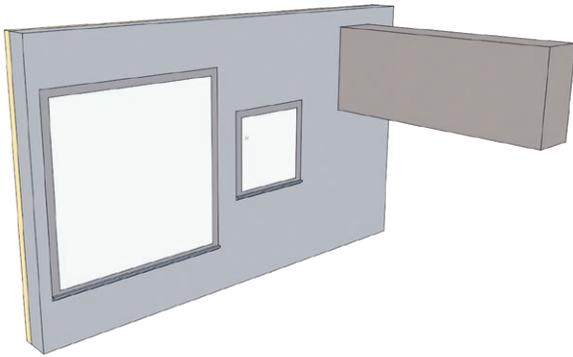
Communicate your design with Zones in section/elevation views. Use the new Zone Labels and graphical overrides to document zone-specific data on project views automatically and precisely — without manual workarounds.

### **MORE PRECISE COST ESTIMATIONS IN COMPONENT LISTS\***

Generate better estimations thanks to accurate component calculations. New properties in Archicad 25 calculate “gross” and “conditional” area and volume component properties, in addition to their net values. Set up rules to fit specific local requirements.

### **MORE CONTROL OVER SCHEDULE FORMAT\***

Create a cleaner, more professional look for your element schedules. Flexible and consistent format is now easier to set up, thanks to new controls for merging uniform items in schedule fields.



### **NEW GRAPHIC OVERRIDE OPTIONS**

Enjoy more flexibility in communicating your design. New controls in Graphic Overrides include custom RGB color for both Surface and Fill Background Pen overrides; surface transparency; and off/on display of contours on cut and uncut surfaces in model views.

\* Surface Transparency control and Surface RGB color picker coming soon in a future Archicad 25 update

### **NEW LABELING OPTION FOR MEP ELEMENTS**

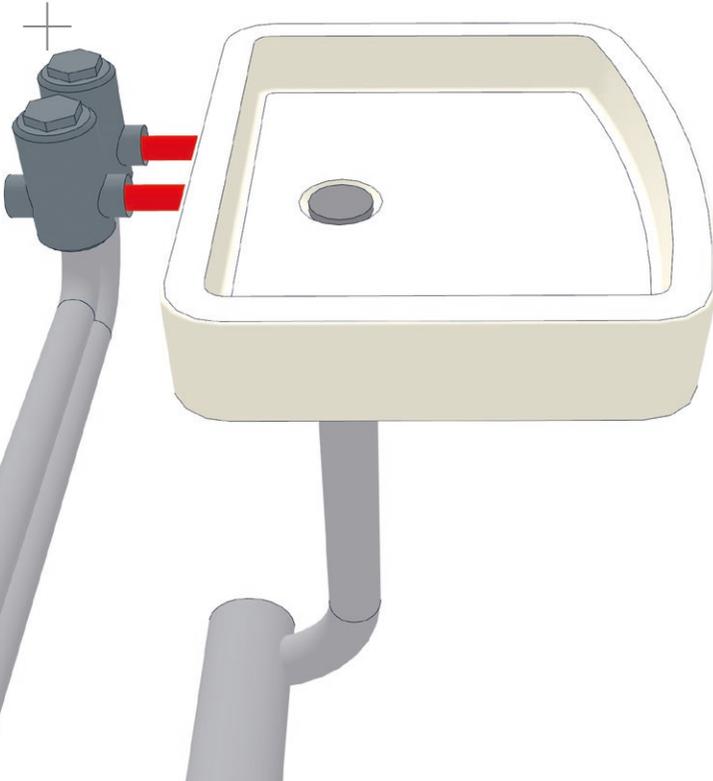
Automatically display MEP-related information for a smoother MEP documentation workflow.

\*Coming soon in a software update



## COLLABORATION: **THE NEXT STEP**

A great building is the result of designers, architects, engineers, and contractors working together. We are committed to facilitating open collaboration. 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. The latter are manufacturer-independent and industry standards.



### **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. Survey Point supports IFC and BCF file exchange, and provides better interoperability with conventional (e.g., DWG) file formats.

### **INTEROPERABILITY WITH REVIT AND BETTER COLLABORATION WITH ENGINEERS USING REVIT MEP SOFTWARE**

Support for Revit file formats up to 2021 is now built in to Archicad. Import RFA as a native Archicad Object and create MEP equipment from Revit Family files. Export a 3D model as Revit 3D geometry and hotlink a 3D RVT model. Archicad now handles Revit's Discipline filter, so when you hotlink a Revit file, what you see in Revit is what you get in Archicad.

### **EASY MIGRATION FROM REVIT TO ARCHICAD**

Re-use previous project files when migrating from Revit to Archicad, thanks to the RFA & RVT geometry exchange functionality. Available out-of-the-box with Archicad 25, with support for Autodesk Revit 2021.

### **SOLIBRI CONNECTION IMPROVEMENTS**

Solibri is the industry leading code and constructability checking application. Save time and eliminate the errors in roundtrips thanks to the Archicad-Solibri Connection add-on, free for all users. With the latest improvements, you can select Solibri's current Selection Basket items in Archicad and view them in the same camera position.



## OPEN BIM. MORE IMPORTANT THAN EVER +

### WHAT IS OPEN BIM?

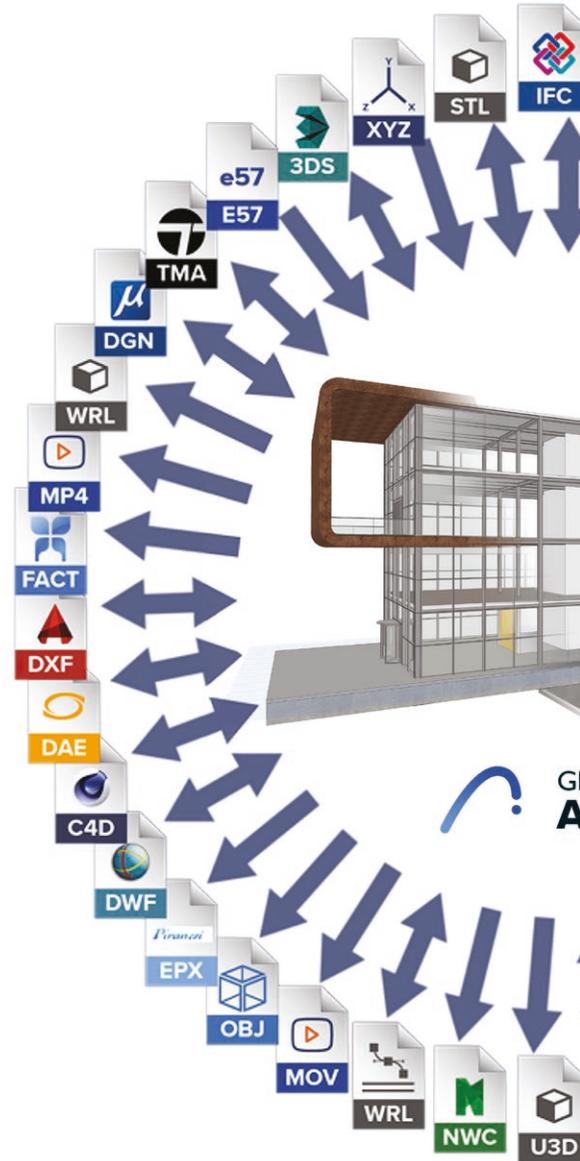
OPEN BIM is a modern approach to collaboration that welcomes all software vendors, AEC practices (designers, engineers, and builders) as well as building owners. Work with the best partners for the job regardless of their software choices. Focus on future-proof solutions, transparency, quality assurance, and accessible data.

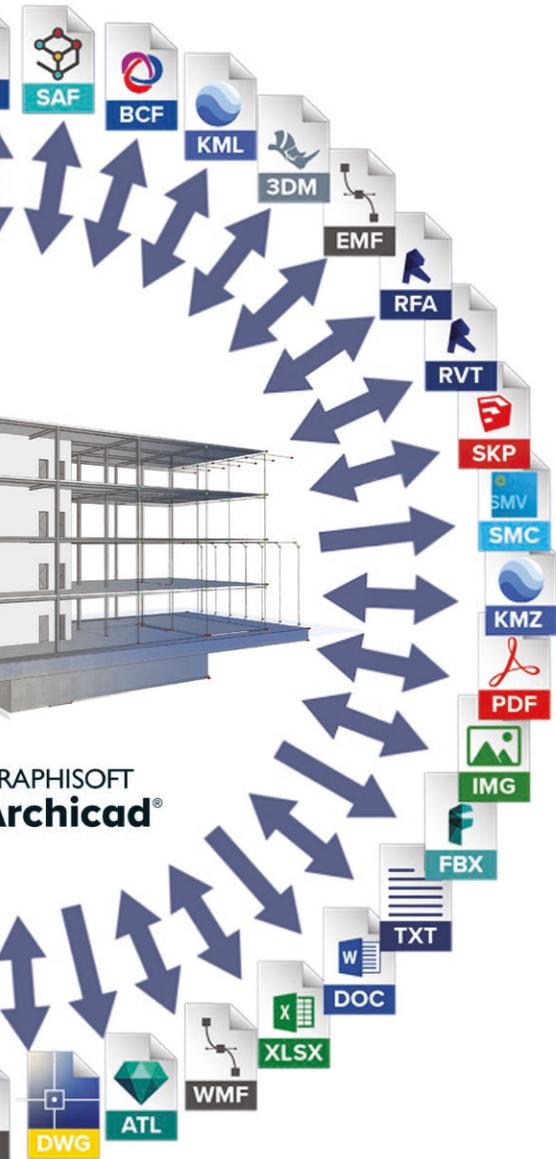
### OPEN BIM FOR ARCHITECTS

Archicad supports more than 40 Export and import formats, including classics like DWG, PDF and XLS, and the contemporary IFC and BCF. The latter are industry-accepted standards.

### COMPATIBLE IN ALL AREAS

Integrate your Archicad building design more closely with the tender department, structural design, building services, fire protection or other fields thanks to Archicad's open workflows with almost any known building software.





GRAPHISOFT  
Archicad®

## INTEGRATED DESIGN

Save time, avoid mistakes, and minimize the risk of information loss thanks to an efficient shared model and design experience between architects and engineers — built to Open BIM standards.

Deliver better buildings and increase your competitive edge thanks to an integrated solution that empowers architects and engineers to work together seamlessly and make informed design decisions.

Full alignment on the requirements, constraints, and opportunities among disciplines throughout the design and engineering process leads to better design decisions.

## OPEN BIM COMMUNITY

OPEN BIM is based upon open standards such as IFC from buildingSMART. Graphisoft and the Nemetschek Group fully support buildingSMART's openBIM program. We are also fully dedicated to the high quality standards defined by our Open BIM Charter.

The Open BIM community is constantly growing. To enjoy all these benefits, you are most welcome to join the Open BIM community today! To learn more about Open BIM in practice, discover a list of the major Open BIM software partners here: [graphisoft.com/us/solutions/workflows/open-bim](http://graphisoft.com/us/solutions/workflows/open-bim)



## “WE BELIEVE GREAT DESIGN COMES FROM A COLLABORATIVE ENVIRONMENT.”

Anthony Laney, Laney LA, US

## INTEGRATED DESIGN: THE POWER OF ONE

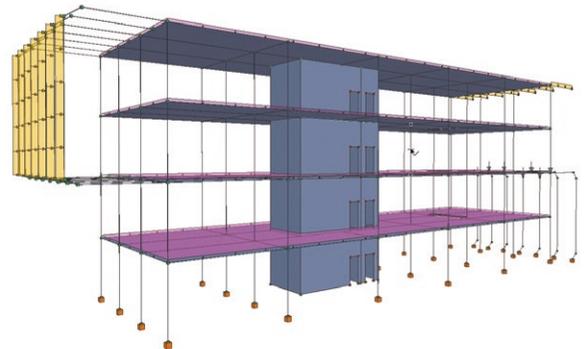
Introduced with Archicad 24, **Integrated Design** unites architects and engineers in a shared **BIMcloud** environment. The transparency provided by the shared model and team-oriented workflows increases trust among team members and eliminates model duplication and redundant work between architects and structural engineers. Archicad 25 optimizes this advanced **OPEN BIM** workflow for seamless, transparent information exchange between architects and structural engineers in a shared design experience. The result? **Better buildings.**

### COMPLETE SAF COMPATIBILITY

Architects and structural engineers work seamlessly together thanks to the Structural Analysis Format (SAF) — ensuring maximum operability between Archicad and the structural analysis software, including FRILO, RISA-3D, SCIA Engineer, and others. Archicad is the only authoring software that supports SAF and can now import and export any SAF version — fully compatible up to the latest version of SAF 2.0.0.

### NEW HANDLING OF STRUCTURAL LOADS

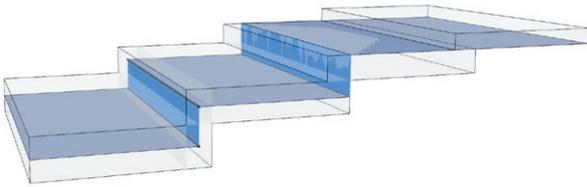
Collaborate with structural engineers without data loss. When opening the engineer’s SAF model, Archicad 25 correctly displays loads and load data. View and manage loads and load-related information, such as load cases and load combinations. Structural engineers can also adjust or add new loads in the Archicad model.





### **AUTOMATIC EXPORT MAPPING OF MANUFACTURED PROFILES**

Save time and effort when exchanging files with structural engineers. When exporting structural elements as part of SAF-based data exchange, Archicad 25 now automatically maps them to manufactured profiles, based on a predefined or customized database.



### **GENERATION RULES ENHANCEMENTS**

Generation Rules help the structural engineers avoid heavy manual work on the Structural Analytical model. Archicad 25 now comes with several new features, like Improvements of Offset Adjustments and Connection Range, Eliminating Overlapping Parts of 2D Members, and Streamlined Structural Supports.

### **TOGETHER VIA BIMCLOUD**

BIMcloud is your new platform for collaboration with structural engineers. Working with SCIA Engineer, structural engineers can store their SAF data directly in the BIMcloud. Architects can use this data directly. And vice versa. The central storage location, the elimination of uploads and downloads, and the automatic archiving of all version statuses make file management clear and simple.

Learn more at  
[graphisoft.com/solutions/workflows/integrated-design](https://graphisoft.com/solutions/workflows/integrated-design)



## GRAPHISOFT® ID

**Graphisoft ID is your gateway to a great personal experience with all the products and services we offer, including Archicad, BIMcloud, BIMx, Community, Forward, and Learn.**

### **ONE FOR ALL**

The Graphisoft ID is a free account that you only need to create once. From then on, you can use it to do almost everything in a snap — upload and download software keys, log in to Archicad, store your BIMx models — and more. Your new Graphisoft ID also gives you access to login-protected Graphisoft websites.

### **DO IT NOW**

The Graphisoft ID replaces all previous account accesses. Create a Graphisoft ID quickly and easily. Visit

**[graphisoftid.graphisoft.com](https://graphisoftid.graphisoft.com)**

# GET STARTED WITH ARCHICAD 25

## 1. CREATE YOUR GRAPHISOFT ID

Install Archicad 25 with this new digital master key.

Create your Graphisoft ID in a few steps here:

**[graphisoftid.graphisoft.com](https://graphisoftid.graphisoft.com)**

## 2. DOWNLOAD ARCHICAD 25

You can download Archicad 25 at

**[graphisoft.com/downloads](https://graphisoft.com/downloads)**

## 3. INSTALL ARCHICAD 25 IN SIX EASY STEPS

- Return all borrowed licenses
- Deactivate your virus scanner
- Make sure you have administrator rights
- Run the installer and follow the installation instructions
- Update your licenses with the License Manager Tool (installed with Archicad)
- Start Archicad

[www.graphisoft.com](http://www.graphisoft.com)

Your local Graphisoft partners are happy  
to support you with training programs.

