

GRAPHISOFT® ARCHICAD 11

a Virtual Building Solution



The Massaro House on Petre Island, Lake Mahopac, New York, US
Designer Frank Lloyd Wright
Architect of Record Thomas A. Heinz, AIA
Photo by Thomas A. Dailey

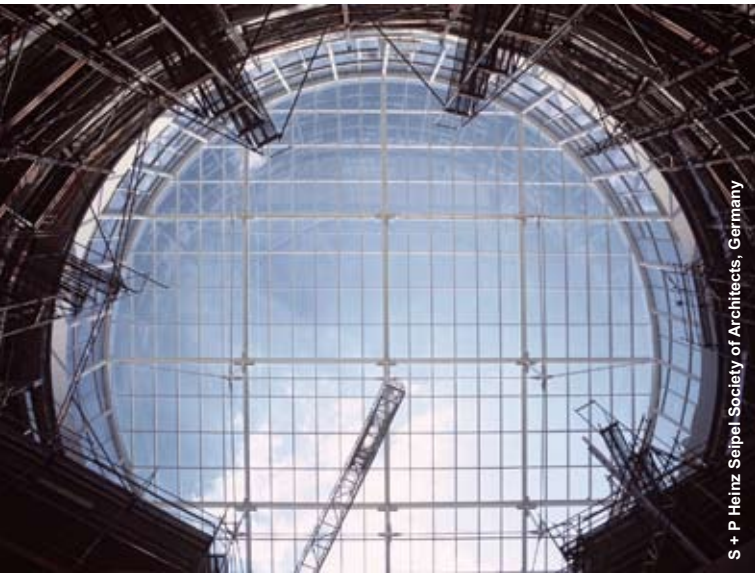
“With Graphisoft ArchiCAD and a passion for great architecture, I was able to bring to life Frank Lloyd Wright’s masterpiece on Petre Island”

The best reward for the passionate architect is to see his design ideas take on a physical form. With Graphisoft ArchiCAD® Virtual Building™ you can explore your design ideas with full confidence that every detail is being captured and all your documents are synchronized. ArchiCAD’s industry-first Virtual Trace™ technology enables you to make the most of your team expertise, tune the technology to attain your most efficient workflow, and keep full control over your project.

Passion with Confidence

Passion with Confidence

ArchiCAD was built from the outset to specifically address the architect's desire for great design without compromising on practical needs. Graphisoft ArchiCAD's innovative Virtual Building solution helps you win more business while letting you concentrate on your core skill - creating inspiring designs.



Virtual Building

Working with ArchiCAD you will discover the pleasures and the benefits of designing in a 3D architectural environment with extraordinary modeling freedom. Based on a profound knowledge of the architectural process, ArchiCAD Virtual Building simulates the way a real building is constructed. From intricate details to town planning, from functional study to complex design, ArchiCAD's specialized tools are always available and extremely easy to use, ensuring that there are no boundaries to your creativity. With ArchiCAD, you create a 3D virtual model: all the necessary documentation and representations are derived automatically. The project lives and evolves on the screen simultaneously with your concepts, allowing you to concentrate on your strength - creating inspiring designs. Virtual modeling is a natural and intuitive process which is both inspiring and enjoyable. Watch your building model evolve before your eyes. With the clarity of 3D, your clients can truly appreciate good design.

Modeling Freedom

Any architect with the passion to freely explore design ideas can fulfill his/her wish without compromising on documentation precision and quality. With ArchiCAD you can model and shape freely, easily creating the forms you wish for and naturally change even complex elements in the most appropriate view. All walls, beams and columns can be set to any desired angle, while accurate openings representation is guaranteed in all shapes.

Using ArchiCAD you can easily explore various design alternatives, searching for the best solution. You can communicate the implications of your decisions and make them well understood.

ArchiCAD will allow you to combine creative freedom with the well-known efficiency of the robust Virtual Building. A set of exciting tools support the creative process within the context of the project - so while you design your project all documents will be generated as a by-product, assuring smooth work flow and real-time evaluation.

Visualization

ArchiCAD's advanced visualization abilities will arm you with a full and fluent visual impression, enabling you to navigate freely and naturally through and around your design. It is hard to get excited over a flat drawing. A 3D model is a completely different experience. As soon as your clients take control of the mouse, easily navigating through and exploring the project in 3D, their reactions instantly become much more favorable. ArchiCAD provides the most advanced and extensive set of presentation tools available to convey your design in its best light. You can easily create 3D animations, VR scenes, and photorealistic and sketch style renderings. A presentation will no longer be a time-consuming distraction, but a showcase for a living project. Your clients will better understand all the implications of the design proposal and will feel confident that they will get the design they desire. You can be sure that you will deliver a sound and highly professional presentation and that your design intentions are well communicated.



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When we showed the client how we present our projects, through rendering, virtual reality scenes, animations and models, he immediately wanted to work with us. For him it was incredible.

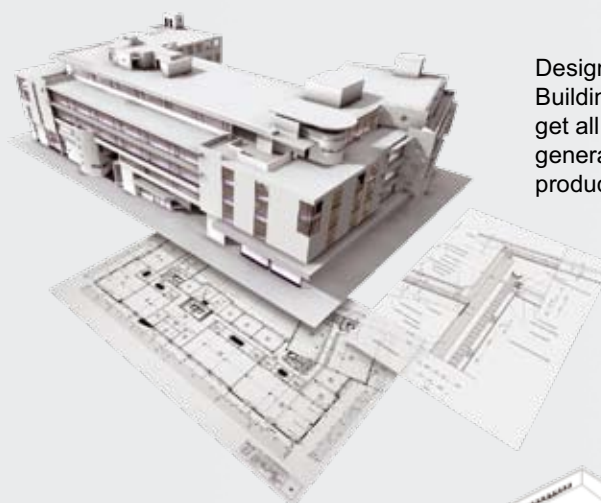
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Rojkind
Arquitectos,
Mexico

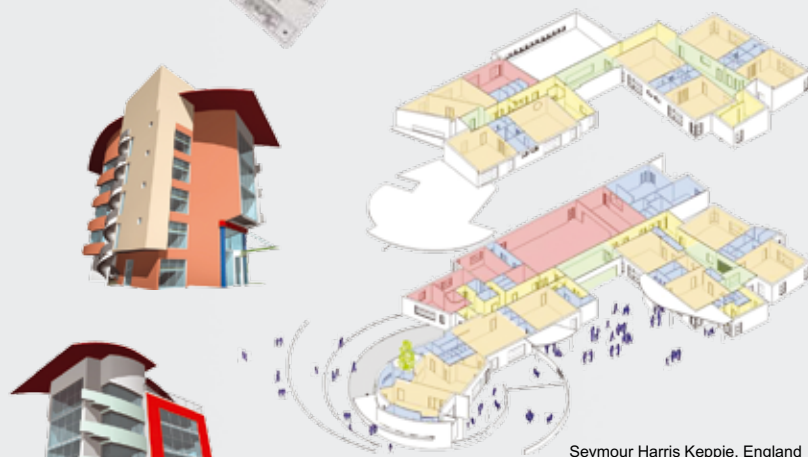


DESIGN

Inside ArchiCAD



Design in a 3D Virtual Building environment and get all documentation generated as a by-product.



Seymour Harris Keppie, England



Kürsad Kaya
e-kolay



Easily compare and evaluate different design alternatives.

Create 3D zones in any shape to define spatial units according to their usage; automatically receive project schedules and quantities.



Helin and Co. Architects, Finland

Create cutting-edge presentations with the integrated state-of-the-art rendering engine.

Passion with Confidence

ArchiCAD Virtual Building, including industry-first Virtual Trace technology, allows for full coordination of all project drawings and seamless integration of workflow across disciplines and roles. Final documentation will be created with an unprecedented level of control, faster than ever and in unparalleled quality.



CCN Nuernberg, S + P Heinz Seipel Society of Architects Ltd, Germany



Courtesy of Dömgies and Partner, Germany

Workflow

A typical architectural project can contain multiple models and hundreds of drawings. Creating and managing this mass of information is a major and highly important task in a firm's workflow. The automation of such procedural tasks is essential to improving this process and making it error-free. With ArchiCAD you will experience smooth design-documentation workflow and experience a substantial productivity boost. Moreover, using the ArchiCAD hybrid 3D/2D environment you can fully integrate documentation teams into the virtual building process, and have full control over the balance between 3D and 2D work. ArchiCAD's fully integrated publishing process enables creation and constant updating of your published sets as soon as the project begins to evolve. As you develop the 3D model, the drawing sheets are automatically updated and ready to be plotted. Working with ArchiCAD, you will be able to quickly perform all routine tasks, dramatically decrease reworking, improve quality and ensure a shorter time to market.

Coordination

The Virtual Building automatic update capabilities make coordination between documents very evident. Every document is always up-to-date and the integration of your drawings is guaranteed. When you create a 3D model, where all the building components are presented, you can check every part and any aspect of your project. However, this is not the only way ArchiCAD supports the crucial goal of coordination. ArchiCAD's innovative visual compare technology enables you to easily coordinate your work and track design changes both internally and with multidisciplinary teams.

Working with ArchiCAD you can quickly and visually analyze differences between your 3D model, 2D documents and any consultant documents. Thus it becomes much easier to detect clashes between different building systems well in advance, to clearly communicate design issues and to deliver high quality projects. The combination of these wide-ranging capabilities makes ArchiCAD an extremely efficient cross-examination and coordination tool.

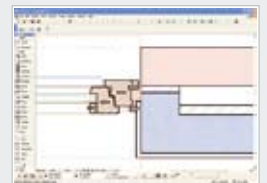
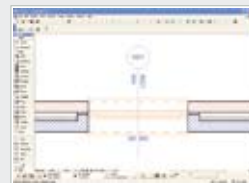
Control

ArchiCAD's renowned Virtual Building, together with the industry first Virtual Trace technology, provides unmatched control over the design project within an extremely flexible workflow. Using ArchiCAD, architects can define and control the balance between 3D and 2D work according to their preferences, project type or team members' knowledge, thus making the most of their team's expertise and tailoring the technology to fit their workflow. As the project evolves and consultants from various disciplines contribute their data, designers can effectively control their input by virtually tracing changes, comparing 3D and 2D information and clearly identifying and communicating any design problems. The dynamic nature of design projects requires parallel processes, smooth workflow and tight control. Using ArchiCAD you can achieve all these with the confidence that your documents are synchronized. You keep control over the process and your clients get the highest quality design.

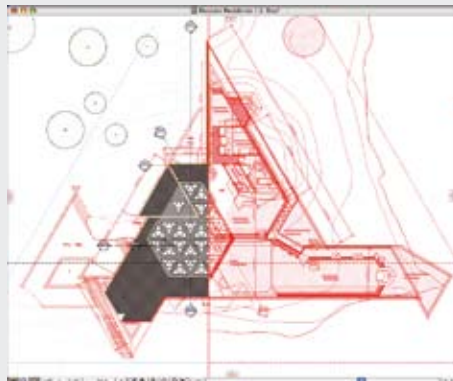
Inside ArchiCAD



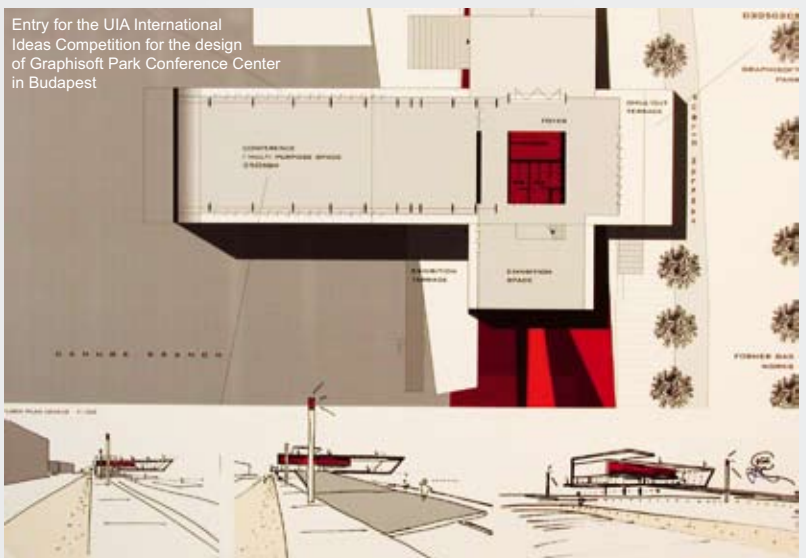
Use parametric GDL building components to ensure an accurate representation in any view, and obtain up-to-date interactive schedules and quantities.



Change the drawing scale, and the level of detail of every element will be updated automatically.



Analyze differences between any documents using the industry-first Virtual Trace technology.



Entry for the UIA International Ideas Competition for the design of Graphisoft Park Conference Center in Budapest

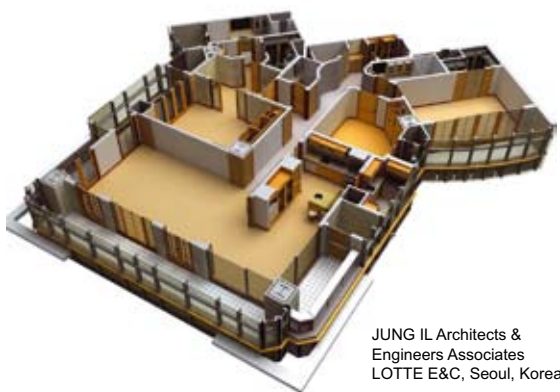
Experience the smooth design-documentation workflow, including dynamic indexes, parametric drawing titles and 3D PDF output. The fully integrated publishing system will automatically and concurrently update the complete documentation set.

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The complexity of the Conder project meant that process, model and teamwork would be fully tested. The results have exceeded our expectations.

”

Rainer Strunz, Plus Architecture

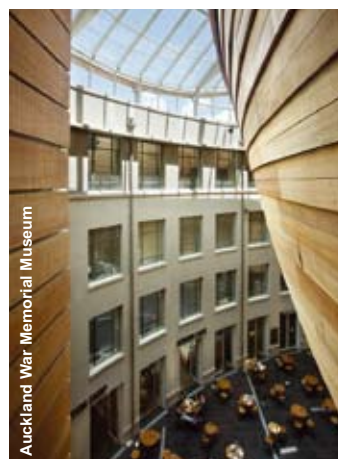


JUNG IL Architects & Engineers Associates
LOTTE E&C, Seoul, Korea

PRODUCE

Passion with Confidence Around

With more than a million realized projects around the world, Graphisoft ArchiCAD has proven to provide a solid and versatile solution which enables designers to unleash their passion for great architecture with the confidence that their designs are fully coordinated, deliverables are ready on time, and their architectural dreams can be fulfilled.



Confidence | Workflow | Coordination | Passion | Modeling | Freedom | Communication

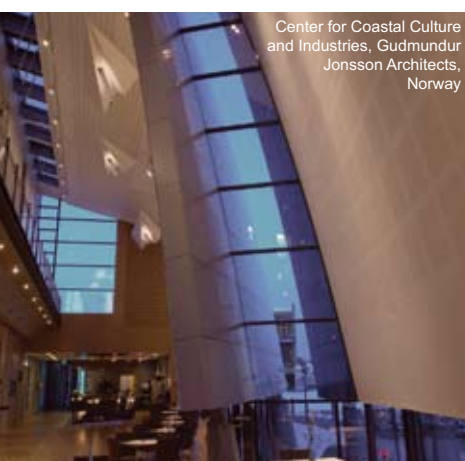


BIM Experience Kit

The BIM Experience Kit is a unique combination of fully functional, time-limited version of ArchiCAD 11 together with a targeted interactive learning guide. With this offer, architects have the opportunity to quickly evaluate the benefits of ArchiCAD while testing it on real projects. Assisted by the comprehensive interactive learning guide, designers will enjoy productive work from day one. This free unique combination is available at: <https://trialregistration.graphisoft.com/>



Workflow | Coordination | Passion | Modeling | Freedom | Communication | Evaluation



Coordination | Passion | Modeling | Freedom | Communication | Evaluation | Confidence



ation | Evaluation | Confidence



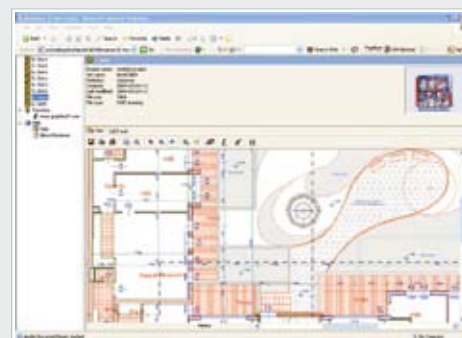
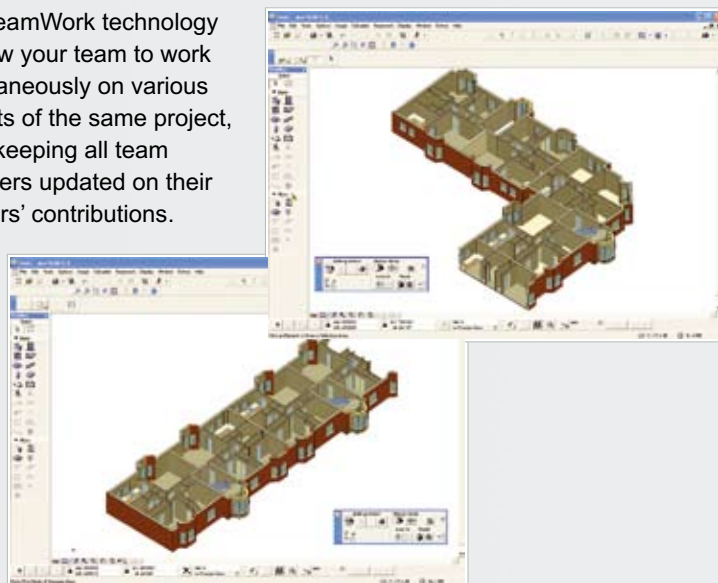
ation | Confidence | Creativity



idence | Workflow | Integration

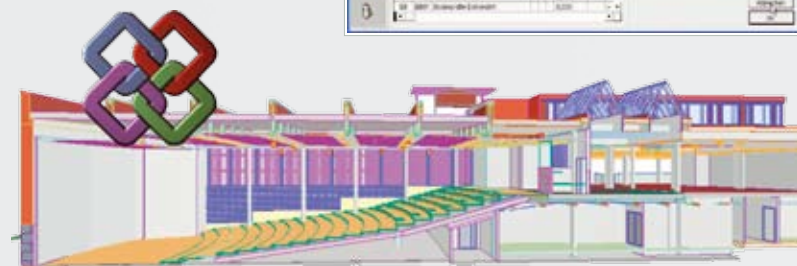
Inside ArchiCAD

Use TeamWork technology to allow your team to work simultaneously on various aspects of the same project, while keeping all team members updated on their partners' contributions.



With ArchiCAD Project Reviewer, customers and consultants can review and red-line your project documents by simply launching their web browser.

Easily perform thermal analyses to ensure optimal energy consumption and sustainable design by combining the ArchiCAD Virtual Building with Graphisoft's partner applications, such as ArchiPHYSIK® from A-Null or Ecotect from Square One.



Optimizing design and construction by using IFC technology, ArchiCAD enables seamless sharing of the Virtual Building model across disciplines, simulations and analyses. It expands the architectural model's usability, delivers a more accurate and efficient construction phase and a shorter time to market.

SYSTEM REQUIREMENTS

Operating System:

Microsoft® Windows® XP Pro or XP Pro x64 edition
Microsoft® Windows® Vista® Business, Enterprise or Ultimate Edition
Macintosh® OS X 10.4 or higher

CPU:

Intel® Pentium® 4, Intel® Centrino®, or compatible
Power Macintosh G5 series recommended
Intel Mac processor recommended

RAM:

1 GB of RAM is required, more than 1GB is recommended for complex models

Hard Drive:

Minimum of 500 MB free hard disk space is required for a full installation.
An additional 2 GB is required for work with complex projects and 3D visualization.

Display:

Recommended resolution: 1280x1024 or higher
Standard Open GL graphic card with on-board video memory of 64 MB is required.
On-board video memory of 128 MB or more is recommended.
To find compatibility data for Open GL VGA-cards, please visit the following website:
<http://archicad-talk.graphisoft.com/compatibility.php>

Note for Windows users: QuickTime® 6.5 or later and Java 2v1.4.2 or later are required to run ArchiCAD. ArchiCAD Installer will automatically install Java 2v1.5. and QuickTime 7 if they are not present on your computer.

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