

REALIZE YOUR MOST INSPIRED VISIONS



Vectorworks® Designer 2013
EVOLVE WITH VECTORWORKS DESIGNER



VECTORWORKS DESIGNER 2013

FLEXIBLE

Enjoy the Freedom to Design the Way You Want

VERSATILE

Create, Model, and Present with One Application

INTUITIVE

Work the Way You Think

SMART

Invest in Yourself

As your process evolves, the tools you use to realize your creative visions need to evolve, as well. We understand this, and we've worked throughout the past year to adapt the Vectorworks family of design solutions to your needs.

Evolve.

Increase your efficiency. Boost your productivity. Go where you want to go. We know your design process is evolving. With new technology in the Vectorworks Designer 2013 software, you can create whatever you dream up—with even greater efficiency and increased productivity. Our flexible, intuitive, and smart features continue to give Vectorworks Designer software the edge in drawing, 3D modeling, Building Information Modeling (BIM), Site Information Modeling (SIM), integrated rendering, and high-quality presentations. You get better collaboration, easy usability, and efficient features. Streamline your workflows...improve your efficiency...evolve with Vectorworks 2013.

FLEXIBLE: ENJOY THE FREEDOM TO DESIGN THE WAY YOU WANT

With Vectorworks Designer software, you're not limited to a prescribed workflow, so you have the freedom to design in your own way. Incorporate your existing approach to design to make the best use of the skills you already have in-house. Collaborate seamlessly with co-workers and colleagues who use other software applications. Here are some of the compelling reasons to purchase or upgrade:

Free-form Modeling

With our intuitive interface, you can design from any 2D or 3D view using modes in drawing and modeling tools that automatically infer working planes as you move your cursor, and enjoy the superior quality that allows you to manipulate your drawings and models with ease. More accurate object information and better snapping make drawing and modeling easy. The SmartCursor™ helps by showing hints, like the angle from the previous segment, as you draw. Plus, an advanced suite of solids and NURBS surface tools lets you create any shape and easily explore organic geometry. Push, pull, blend, twist, sculpt, deform, or punch holes. Anything's possible with the Vectorworks Designer 2013 software.

Design Anything

Many CAD applications restrict your ability to design beyond a core discipline. Whether your specialty is architecture, landscaping, or entertainment design, the Vectorworks Designer program gives you the freedom to create without having to learn or use additional applications.

Efficient Workgroup Capabilities

Break up complex projects. Whether you're a sole practitioner collaborating with other professionals or a large firm dividing work among different members of the team, Vectorworks Designer's workgroup referencing provides a flexible way to split even the most complicated project into manageable pieces.

Interoperability

Get on the cutting edge of collaborative digital practice, and move your building information models fluidly between design, analysis, and construction packages with Vectorworks software's IFC 2x3 and gbXML translators. Exchange 3D NURBS models with Rhinoceros® 3D. Import concept models from SketchUp® and access thousands of models from Trimble® 3D Warehouse. Import and export AutoCAD® 2012 (and earlier) files. Send out drawing sets as multi-page PDFs. Export 3D models to Google Earth®.

Endless Digital Images

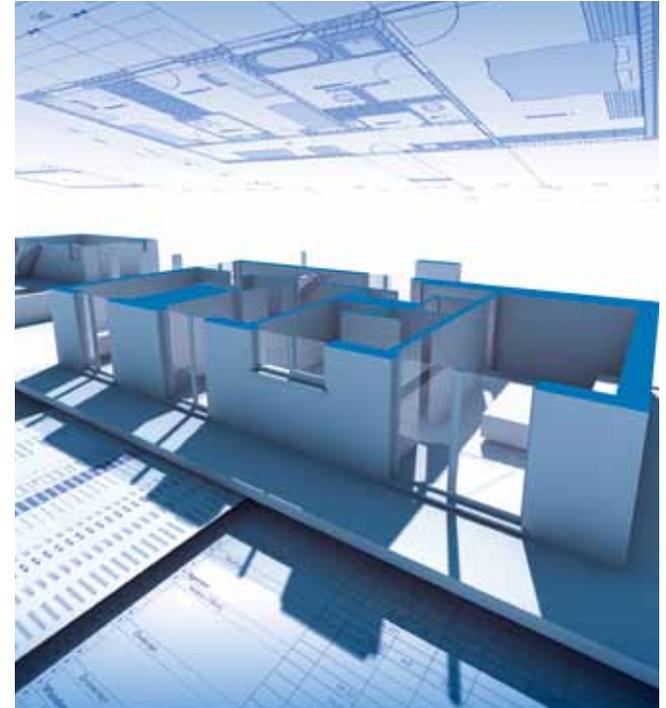
Make your work even more compelling and easier to communicate with digital imagery. Import scans, digital photos, or web images. Import or export a wide array of image files, including Illustrator® EPS and native Photoshop® PSD files. Also, export your design for inclusion in your firm's marketing materials or website.

Cutting-edge 3D

See it in 3D. Send models to CAD/CAM machines, CNC routers, and other 3D printers. The Vectorworks Designer package supports a number of standard 3D file formats, including Parasolid® X_T, IGES, SAT, KML, STL, and 3DS.

Completely Customizable Programming

Automate routine tasks or create full-blown add-on applications with our Pascal-based scripting language, VectorScript™. It's simple enough for a beginner, yet powerful enough for the most experienced CAD programmer.



Courtesy of © Design Express

“Architects are creative and sometimes want to do things a little outside of the box or to communicate things that just aren't standardized or conventional—and Vectorworks allows us the flexibility and freedom to make architectural drawings the way we want them to be.” – Mark Ostry, Principal, Acton Ostry Architects Inc., Vancouver, Canada



Supporting Sustainable Building

When your goal is sustainability, the Vectorworks Designer software is an indispensable tool. You can maximize materials and minimize energy expenditure with our built-in spreadsheets that calculate building performance through programming analysis (with parametric Space objects), detailed material take offs, and lighting requirements. You can conduct sun studies with the Heliodon tool. If you need the power of more sophisticated building performance, simulation, and energy analysis tools, you can leverage our partnership with Integrated Environmental Solutions Limited by exporting data-rich building models using the Industry Foundation Classes (IFC) 2x3 interoperability standard or gbXML and importing them into IES-VE Pro or Gaia. With such comprehensive data, you'll answer the "how many" and "how much" questions early in the process, and ensure a smaller carbon footprint.

VERSATILE: CREATE, MODEL, AND PRESENT WITH ONE APPLICATION

Move easily between tasks. From design concepts to construction documentation and every phase in between, the Vectorworks Designer program marries precision drafting and flexible modeling with state-of-the-art technology. Create, model, and present easily and precisely with one application. With Vectorworks Designer software, you can do it all.

The program boasts a comprehensive set of design tools to support your entire practice. You have complete functionality for:

Powerful Conceptualization

Find your inspiration and start drawing. Or, if you would like, import hand sketches, pictures of the site, and even documents or models from other applications. Invoke ideas in 2D, and explore them in 3D with free-form models.

Building Information Modeling (BIM)

With Vectorworks Designer software, you can create building information models without changing your preferred design process. Whether you're looking to streamline costs, analyze materials, increase your energy



Courtesy of Arquitectura AG, image by Armando Gutierrez



Courtesy of © Arch & Teco

efficiency, or just create world-class designs, the Vectorworks Designer solution is an efficient way to introduce BIM capabilities into your workflow. Enjoy the robust and flexible capabilities of BIM with the ease of design, great documentation, and intelligent tools that the software is known for—right from the start.

With the unsurpassed Parasolid modeling kernel from Siemens PLM Software, the Vectorworks Designer program has mastered BIM with design and presentation capabilities and arguably the best 3D modeling core in the business. Visit www.Vectorworks.net/BIM for more information.

“There is no doubt that the speed and quality of work we produce is an advantage over practices using an engineering CAD package. The software allows us to present our innovative designs in the best possible light.” – John Lee, Founder, Arca Architects, Manchester, England

Extensive Automated Reporting and Database Support

Stop manually counting items in your drawings and models. Automatic data tracking does the tedious work for you—built-in database worksheets continually keep tabs. Take advantage of the two-way link between database worksheets and objects, giving you the power to change object parameters directly from the worksheet. The application goes further than automated schedules and quantity take offs. It provides a user-defined, quick, and accurate way to assign custom data to any object and create unique reports.

In addition, the Notes Manager database lets you store, manage, and recall document notation, while the Issue Manager keeps track of what, when, and to whom drawings and files were issued, and it automatically dates your title blocks.

When it is important to connect to data sources outside of Vectorworks software, our ODBC module gives you the power to link to databases and connect objects in Vectorworks to the external records and fields for bi-directional reporting and control.

Superior 2D Documentation

Produce high-quality documentation with ease. The Vectorworks Designer application offers precision drafting tools, intelligent objects for building, detailing, MEP, furniture, millwork, machine parts, annotations, and thousands of free symbols from leading building product companies. Batch print drawing sets or export them as multi-page PDFs at full or reduced sizes.

Powerful Presentations

Define and communicate your signature look with our advanced, high-end technology that’s famous for helping our users achieve beautiful, graphically rich presentations. Tap into our large libraries of entourage and unlimited palettes of colors. Your style is not limited by “cookie-cutter” looks. Add gradients, tile and image fills, stipples, and hatching. Easily import digital images and graphics. Use our exclusive sketch rendering technology to change hard-lined drawings into soft, hand-sketched illustrations. Multiple page layout options make it simple to arrange presentation boards.

Renderworks

We’ve teamed with the award-winning CINEMA 4D render engine to provide rendering capabilities that are faster and easier. Renderworks® is fully integrated into Vectorworks software, so it works seamlessly to allow you to visualize your work throughout the design process, producing clear and accurate renderings. With the click of a button, rendered viewports will update as your design evolves.



Courtesy of © Randy Brown Architects | Design Express

INTUITIVE: WORK THE WAY YOU THINK

Easy-to-use Interface and Drafting Tools

Do what you like to do best—design. You won't waste time getting up to speed, because the Vectorworks Designer software's simple, customizable interface and what-you-see-is-what-you-get display make it easier to learn and use than standard CAD applications. No matter what you're switching from, the Vectorworks Designer application interface will be familiar. Vectorworks software's SmartCursor technology replaces manual drafting tools, so even inexperienced CAD users can make the switch easily.

Tailored for Your Success

Work in tandem with the application. Vectorworks Designer software is built to work the way you think. In addition to designing with lines, arcs, and circles, you can design with walls, doors, windows, roofs, and slabs. The building objects are easy to edit and display in both 2D and 3D views. And with our scripting language, VectorScript, you can program everything from simple scripts that automate routine tasks to full-blown commercial applications.

"What I appreciate most in the software is its user-friendly interface, as well as the great variety of features."

– Renato Candusso, Candusso Arquitetos



SMART: INVEST IN YOURSELF

Affordable, customer-focused, and proven as the tool of choice for 450,000 designers worldwide—the Vectorworks Designer software is a smart investment in you.

Affordable

You won't find another professional design application that includes so much for such a reasonable price. In one package, you get state-of-the-art tools and technology and the ability to work from concept through completion—what a great value. You also get free service packages, technical support, and affordable training options. Plus, become a member of our Vectorworks Service Select program, and you'll receive free software updates, additional learning resources, preferred support status, access to Vectorworks Cloud Services, and predictability for your budget. Service Select is the best way to stay current with your software and get the best value.

Customer-focused

Relax. We're here for you every step of the way. We listen and learn from your input—that's how Vectorworks Designer software is created. Your relationship with us doesn't end when you install the software. Instead, we provide many channels for you to get the information you need. If you'd like training, take advantage of our multiple offerings: onsite, online, or in the classroom. If a technical issue stumps you, contact our technical support team for help. You can also tap into our Vectorworks community of enthusiastic users worldwide, as well as user groups on the local level. Email listservs provide additional assistance around the clock, or you can use our service directory and job board to find help.

Vectorworks users often find themselves in internet-based dialogues with our engineers and managers. We take pride in cultivating lasting relationships with our users, and we translate their feedback into positive product developments. With your input, we can continue to develop software that exceeds your expectations. After all, your success is our success.

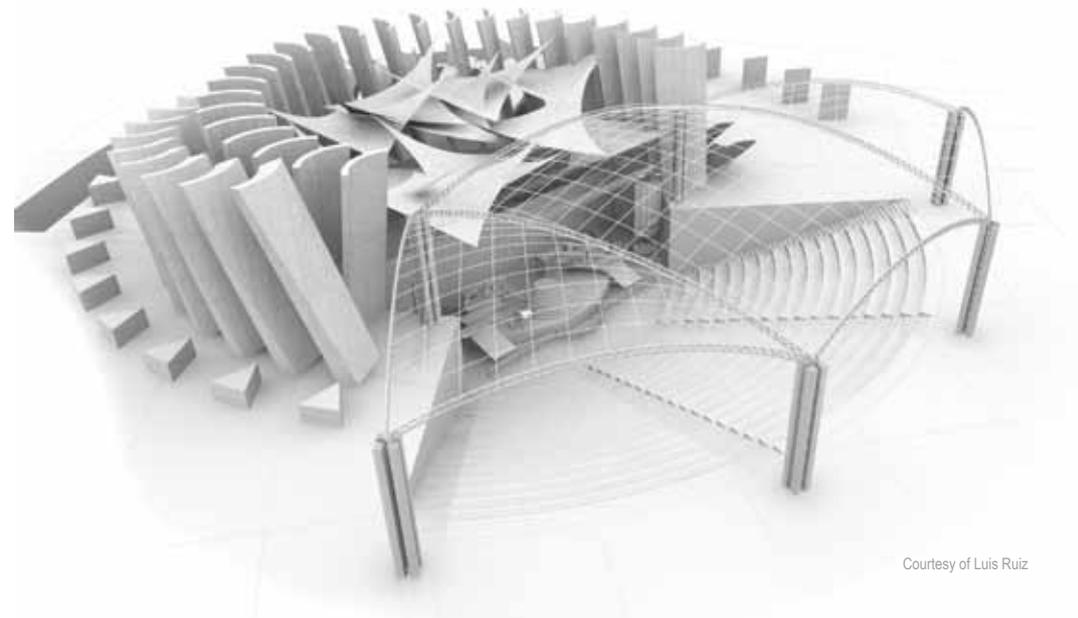
A Tradition of Excellence

The company was founded more than 27 years ago, and the Vectorworks product line now serves more than 450,000 professional designers worldwide. We listen to our customers and use their feedback to create products that continually exceed their expectations, delivering superior design flexibility and world-class graphics.

The Vectorworks product line is the best-selling, cross-platform professional CAD software and the preferred application for world-renowned and award-winning professionals who move the design world forward every day.

Vectorworks Designer software is produced by Nemetschek Vectorworks, Inc., a wholly owned subsidiary of the Nemetschek Group, a leading global software provider for the architecture, engineering, and construction market (AEC). Nemetschek Vectorworks software solutions are used by design professionals in 85 countries and translated into 10 languages.

With Vectorworks Designer 2013, the tradition continues.



Courtesy of Luis Ruiz



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System Recommendations

Mac OS X 10.6.8 or later
QuickTime
Intel Core 2, 2.0GHz or better
DVD-ROM drive (dual layer)

Windows XP SP 3
Windows Vista SP 2
Windows 7 SP 1
QuickTime 7.7.0 to 7.7.2 (higher versions not recommended)
Pentium 2GHz or better
DVD-ROM drive (dual layer)

RAM*

1GB minimum
4GB highly recommended
8GB recommended for large files and complex renderings

Graphics

1024x768 minimum
1280x800 recommended
512MB VRAM minimum, 1GB+ VRAM recommended for high-quality rendering

*Vectorworks 2012 and Vectorworks 2013 contained improvements that placed significantly higher demand on the graphics hardware. The performance and quality of the graphics provided by Accelerated Navigation and Improved OpenGL Shadows depend directly on the speed and memory of the graphics card. These new features have the potential to provide a very fast and fluid experience when used on capable hardware, and a noticeably slower experience when used on older or incompatible hardware. **In general, the more powerful your video card is, the better your Vectorworks experience will be.**

For the latest information on our video card recommendations for Vectorworks 2013, see the following Knowledgebase article: <http://kbase.vectorworks.net/questions/714>.

See www.vectorworks.net/sysreq/ for updated information.

