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The Future of Design Is Here with AI in Vectorworks 2024 Update 4

Latest Vectorworks Update Introduces New Capabilities in AI Visualization, Virtual Reality, BIM Collaboration, and More to Deliver Added Design Freedom and Flexibility.

Columbia, MD (March 13, 2024) – Global design and BIM software provider [Vectorworks, Inc.](#), part of the Nemetschek Group, has released its fourth update to the [Vectorworks 2024](#) product line, granting customers access to AI and virtual reality (VR) technologies through two brand new tools. Additionally, the latest version update features an integration with [L-Acoustics](#)– leaders in sound-reinforcement technology and the [Vectorworks](#)

[Partner Network's](#) first platinum audio industry member – along with several other enhancements to provide faster design workflows from start to finish.

“This latest software update showcases our unwavering dedication to equipping our customers with cutting-edge technology to elevate their design processes,” said Vectorworks Senior Director of Rendering and Research Dave Donley. “By introducing these tools, we are taking a significant step forward in leveraging the power of AI and VR to enable users to explore their design concepts faster and with greater detail. We believe these features will assist our users in securing more work and ensure they can deliver projects with the highest level of precision and creativity.”

For All Designers Looking to Revolutionize Their Workflows with Next-Gen Technology

Combining the power of Vectorworks with the speed of AI powered by Stable Diffusion, customers have the limitless potential of AI at their fingertips with the new AI Visualizer. Directly available within the Vectorworks interface, this experimental tool uses [Vectorworks Cloud Services](#) for a zero-install, uninterrupted workflow to quickly ideate illustrative concepts or create refined images using Vectorworks models from text prompts at any design stage. Designers can amplify their ability to explore options and ideas faster, allowing more time to focus on their design concepts and win more work. Vectorworks' AI Visualizer is processed on Vectorworks Cloud Services, ensuring that individual hardware limitations do not impact performance. Users can continue working on their designs uninterrupted while images are generated and private information is protected.

Vectorworks customers can now also use VR technology in their design workflows with the help of Vectorworks Odyssey, the virtual reality application based on Unity developed for Meta Quest 2 and beyond. With the app, designers and all stakeholders can experience immersive VR models with a bird's-eye view and virtual walkthrough modes, helping them to gain better context and provide quick and thorough feedback on projects, especially during the early design phases.

Using Apple's Room Plan framework, the Room Plan feature in Vectorworks Nomad is now even more advantageous, allowing customers to quickly and more easily create accurate 3D models directly from the iOS app. The new capability to scan multiple rooms and seamlessly combine them into a single

model, plus the added support for round and slanted walls, provides significant time savings when surveying existing building or site conditions. Customers will also find a new intuitive and direct workflow in the desktop app for importing files from Nomad and Vectorworks Cloud Services. With a menu command directly in Vectorworks, files from 3D scans can be easily found and imported straight into design layers.

Furthermore, new advanced rendering technology in the Redshift Progressive Mode feature provides immediate feedback when finetuning 3D views directly in design layers.

For Architects and Interior Designers

In a continued commitment to delivering designers with first-class BIM collaboration capabilities, Update 4 makes sharing work with project stakeholders easier than ever. With the latest Information Delivery Specification (IDS) feature, customers can quickly validate project information, ensuring compliance with local and project requirements. A modern BIM Collaboration Format (BCF) interface makes issue management workflows a breeze, with support for seamless switching between server-based and file-based BCF Managers. Plus, IFC file export makes collaboration more effective by supporting sophisticated IFC assemblies and multiple buildings, along with certified quality of geometry and data, georeferenced positioning, and optimized file sizes.

Additionally, Update 4 includes increased flexibility, improved documentation, and customization capabilities for the recently implemented Cabinet tool.

For Sound and Live Event Designers

For entertainment industry professionals looking to prioritize their audio design workflows, Vectorworks 2024 Update 4 brings a new integration with L-Acoustics that allows [Spotlight](#) customers to export their models to Soundvision. The geometry of Vectorworks objects can be simplified to export lightweight and responsive models into Soundvision. This simplification saves valuable time and streamlines the design process.

“We are committed to offering sound designers a seamless and efficient

workflow,” explains Maxime Démurger, Application Design Engineer at L-Acoustics, who led the integration project. “Attaining platinum partner status through this Soundvision integration is the first step in a long-term partnership that will offer more interoperability between our tools and provide more precise 3D sound modeling.”

Customers from all areas of the entertainment industry will experience increased efficiency when creating custom reports with extensive and intuitive Equipment List worksheets that integrate data displayed on the Equipment List. With the new Equipment Summary Key feature, users can adjust the alignment and scale of individual equipment objects, thus enabling better control over their reports.

For Landscape Architects and Landscape Designers

Professionals in the Landscape industry will benefit from the introduction of two new modes of the Hardscape tool, Site Model Contour Labels and new Site Model Contour Label workflows. The Style Pick-up and Convert modes of the Hardscape tool allow users to create a smart Hardscape object from a selected shape using the active settings from the hardscape, similar to the Plant, Landscape Area, and Irrigation tools. This saves time and provides workflow consistency. The Site Model Contour Labels feature offers superior control of the "Add contour labels" tool, allowing users to place custom labels in preferred units with fractional and decimal precision. Customers can now easily meet their drawing standards, confidently labeling contours and achieving neat and effortlessly placed labels at the intersections.

This update is available to download for all currently released English language-based versions of Vectorworks 2024 and is immediately accessible to subscription and Vectorworks Service Select customers. To install the update, select “Check for Updates” from the Vectorworks menu (Mac) or the Help menu (Windows).

Unleash your creative potential and unlock limitless design possibilities with a [free 7-day trial of Vectorworks Design Suite](#). Visit the [Public Roadmap](#) to stay up to date on the future of Vectorworks, leave feedback on upcoming changes, or suggest something new.

About Vectorworks, Inc.

Vectorworks, Inc. is an award-winning design and BIM software provider serving the architecture, landscape architecture, and entertainment industries in 85 countries. Built with designers in mind since 1985, Vectorworks software offers you the freedom to follow your imagination wherever it leads you. Globally, more than 685,000 users are creating, connecting, and influencing the next generation of design with Vectorworks on Mac and Windows. Headquartered in Columbia, Maryland, with offices in the UK, Canada, and Australia, Vectorworks is a part of the [Nemetschek Group](#). Learn how you can design without limits at vectorworks.net or follow @Vectorworks.

About the Nemetschek Group

The Nemetschek Group is a globally leading provider of software for digital transformation in the AEC/O and media industries. Its intelligent software solutions cover the entire life cycle of construction and infrastructure projects and allow creatives to optimize their workflows. Customers can plan, construct, and manage buildings and infrastructure more efficiently and sustainably, and develop digital content such as visualizations, films, and computer games in a creative way. The software company drives innovation such as digital twins as well as open standards (OPEN BIM) and sustainability in the AEC/O industries and is continuously expanding its portfolio, including through investments in start-ups. More than 7 million users are currently designing the world with the customer-focused solutions of our four segments. Founded by Prof. Georg Nemetschek in 1963, the Nemetschek Group today employs more than 3,400 experts.

The company, which has been listed in the MDAX and TecDAX since 1999, achieved a revenue of EUR 851.6 million and an EBITDA of EUR 257.7 million in 2023.

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