



New Features in Vectorworks Cloud Services and the Nomad Mobile App use Advanced Technology to Improve Efficiency and Save Designers Time

Jan 11, 2023 08:10 UTC

Vectorworks, Inc. Announces New Cloud and Mobile Enhancements Built on Apple Technology

Columbia, MD (January 10, 2023) – Global design and BIM software provider [Vectorworks, Inc.](#) has released key updates to the [Vectorworks 2023](#) product line focused on providing users with a more efficient and reliable experience on [Vectorworks Cloud Services](#) and the Vectorworks Nomad mobile app utilizing Apple's innovative technology.

“We are using the power of the Cloud to bring the latest Apple technologies

to our users and speed up and streamline their reality capture workflows,” said Iskra Nikolova, Vectorworks quality assurance manager for Cloud and mobile.

The existing Photos to 3D Model feature in Vectorworks Cloud Services has been upgraded to take advantage of Apple’s new photogrammetry API on macOS, known as Object Capture. Job submissions now incorporate this framework on the Cloud infrastructure, desktop app, web portal and Nomad mobile app.

“Apple’s Object Capture framework replaces our old photogrammetry framework used for the generation of 3D models from photos. It has higher success rates and creates a more optimized geometry in less time,” said Nikolova. “Plus, additional metadata generated by supported iOS devices is used by the algorithm to recover actual object size and orientation, which was not possible before.”

In addition, using Apple’s room scanning framework, RoomPlan, the Nomad mobile app can now produce models with classified geometry, such as walls, windows, openings and doors, which can be imported directly into a Vectorworks model. Users can quickly scan an existing room layout using their iOS mobile device to create a robust reality capture that is accessible and easy to use.

“Apple’s RoomPlan scanning framework is great for capturing existing room layouts and bringing them into Vectorworks with almost no effort or time,” said Nikolova.

Building on modern technology gives Vectorworks the ability to continuously provide further updates to the Nomad mobile app. This latest update gives users more control over light representation in their 3D models. The new Lights panel in the 3D model viewer allows for light object visibility control from the viewer, which aids in design presentation. Individual light objects exported from .vwx files can be turned on and off, and heliodon or directional lights can now also set the position of the Light direction control when opening a model in the Unity-based 3D viewer.

Users can try out the latest Vectorworks Cloud Services features by logging into cloud.vectorworks.net. To access the new features in the Vectorworks Nomad mobile app, download the latest version from the Apple App Store or

Google Play Store.

Get a [free trial of Vectorworks Design Suite](#) to see firsthand how you can design without limits.

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 pioneer for digital transformation in the AEC/O and the media & entertainment industries. With its intelligent software solutions, it covers the entire lifecycle of building and infrastructure projects, guides its customers into the future of digitalization and enables them to shape the world. As one of the leading corporate groups worldwide in this sector, the Nemetschek Group increases quality in the building process and improves the digital workflow for all those involved. Customers can design, build, and manage buildings more efficiently, sustainably and resource-saving. The focus is on the use of open standards (OPEN BIM). The portfolio also includes digital solutions for visualization, 3D modeling, and animation. The innovative solutions of the brands ALLPLAN, Bluebeam, Crem Solutions, dRofus, FRILLO, Graphisoft, Maxon, Nevaris, RISA, SCIA, Solibri, Spacewell and Vectorworks in the four customer-oriented segments are used by approximately 6.5 million users worldwide. Founded by Prof. Georg Nemetschek in 1963, the Nemetschek Group today employs around 3,400 experts all over the world.

Publicly listed since 1999 and quoted on the MDAX and TecDAX, the company achieved revenue amounting to EUR 681.5 million and an EBITDA of EUR 222.0 million in 2021.

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