VECTORWORKS 2021 SOFTWARE TOP FEATURES

TOP FEATURES

Smart Options Display: Stay in the modeling space with tools right at the tip of your mouse. There's no need to constantly move your mouse between your drawing area and the tool palettes. The Smart Options Display is customizable to easily access your most-used tool sets, last-used tools, tool modes and standard views with fewer mouse clicks, letting you focus on your design.

Quick Search: Quickly find and activate any tool or menu command by typing what you need, and Vectorworks will make suggestions based on your search and most common tools.

Excel Import/Export: Vectorworks 2021 fully supports Microsoft Excel file formats so you're able to directly transfer data and formatting between Excel and Vectorworks worksheets. Export Vectorworks worksheets to Excel to share information with your collaborators. Import Excel spreadsheets to Vectorworks to continue working with the same data. This new support makes it simple for you to work with and format common spreadsheets such as schedules, survey data, object lists and more.

VGM Cache: We've enhanced the experience for users of multi-core processor machines by optimizing the Vectorworks Graphics Module (VGM). The new preference to save VGM cache means up to 5 times faster file loading. You'll also see improved transition time when changing 3D views and layer visibilities and no delays when navigating in 3D with the Flyover tool or when changing views.

Enhanced 3D modeling: Improvements to the Push/Pull tool now support additional drawing tools like the Line tool, which creates a streamlined method to split the face of a solid and manipulate the geometry. Other modeling enhancements include simplification of editing solids created with fillet, chamfer, shell solid and more. Rather than navigating through layers of history, you can simply highlight a face or edge for direct editing and speed through your 3D modeling process.

Detachable tab palettes: We've added improved usability to the Object Information, Navigation and Visualization Palettes to handle your increasingly complex model and documentation work. You now have the ability to detach the tabs from palettes and either dock them or let them float. Move them to a second monitor to have a clear field for modeling while still keeping them readily accessible.

AEC AND LANDSCAPE INDUSTRIES

Structural Grid: The new Grid Line tool lets you create a structural grid that is customizable and streamlines the drawing creation process by letting you draw your grid in plan and having it and any future changes automatically appear in all views — no need to redraw in multiple drawings. You can create different configurations of grids for every unique condition and

building orientation. Better yet, this feature is IFC compatible, making collaboration just as efficient.

Materials: With Materials you can define the graphical attributes and data of building materials all in one location, including the 2D and 3D representation in plan and section views. Materials can also define construction properties, product data and physical characteristics, providing a single source for structural, energy and classification information. Materials can be applied to complex, multi-component objects such as walls or floor systems, as well as to 3D modeled objects. Like all BIM elements in Vectorworks, when a change is made to a material, any object to which the material is applied will be updated, letting you accurately report materials for your architecture and landscape architecture projects.

Smart Markers: Section markers, interior elevation markers, reference markers, detail callouts and drawing labels are now consolidated into tools that are completely customizable. Create your own drawing marker from scratch and define unique graphics. You can also backreference a drawing label to the marker itself. And when you publish your drawing sets as PDFs, the markers will auto-create hyperlinks, streamlining navigation through multi-page production plans and construction documentation.

Project Sharing Server: Vectorworks' versatile multi-user environment, Project Sharing, can now be accessed through a unique Project Sharing server. Easy to install and use, the Project Sharing server will help support a greater array of server configurations, creating an uninterrupted collaborative environment.

Landscape Area Improvements: The Landscape Area enhancements extends the virtual replication of softscapes and planted landforms as no other landscape or BIM software can. Landscape areas can now be defined with components and our new materials resource. These landscape areas can also be saved as a style and can be used to simplify the management of objects when changes occur, making features like green roofs, planted mounds and rain gardens easier to design and more accurate to report.

Rail/Fence Tool Improvements: 3D modification points on the railing/fence have been added, so you can move different parts of the object directly in the model. With a click of the mouse, the new Connect mode automatically joins single railings and fences, simplifying how you work on joining sloped portions with horizontal sections of other railings and fences, ultimately improving project details.

ENTERTAINMENT INDUSTRY

Workflow Improvements for Rigging Objects: In version 2021, the two Hoist tools have been combined into a single tool and has been re-engineered to vastly improve file performance. With a new, simplified interface, the design process is more intuitive. Interface changes include improvements to hoist placement, easier labeling through using the Data Tag object, and accurate reporting and analysis of hoists in Braceworks.

Lighting Device Improvements: We've re-engineered the Lighting Device object to improve its overall performance and stability. The new focusing system makes setting up lights for visualization more intuitive. Additional enhancements to multi-circuit devices makes reporting, circuit management and communication with consoles efficient and reliable — all to give entertainment design pros high-value efficiency in completing projects.

Cable Tools Improvements: This preview feature of re-engineered Cable tools will present an alternative workflow that will give you more flexibility to work in both 2D and 3D and take advantage of the most current Vectorworks functionality. These objects are compatible with Braceworks so that cable impacts on a system can be calculated seamlessly and without current workarounds. This Preview Feature will give you the opportunity to provide suggestions on the Vectorworks Community Board for improvements on a redesigned system for cabling.

ConnectCAD Workflow Improvements: Thanks to smart linking in version 2021, ConnectCAD now has hyperlinked arrow connections that allow for fast navigation between views of schematic layouts both in Vectorworks and in published PDFs you share. Plus, the ConnectCAD device builder window has been simplified, helping you to create, search for, locate and use the device types you need for your schematic diagrams.

Improved Media Server Support in Vision with Integration of disguise: An integration with the disguise media servers simplifies collaborative workflows between lighting programmers and media content programmers. This new system allows the lighting simulation in Vision to be sent directly to the disguise EVO system via a live camera link, giving you the ability to leverage disguise in your workflow to add pixel perfect video.