

VECTORWORKS TOP FEATURES

**Subscription Features Disclaimer: Nano Banana in the AI Visualizer and Google Maps in the GIS toolset are only available to active Vectorworks subscription customers.*

CORE TECHNOLOGY

Texture Resource Modernization: Create stunning textures once, then enjoy the payoff everywhere you work. A modern PBR texture system lets you build richer, more realistic materials with live previews, convert old textures in a click, and send those same render-ready surfaces straight into dedicated visualization tools—so your visuals all share the same high-quality materials without extra rework.

The Exchange: Discover and share Vectorworks-ready content in a space shaped by professionals like you. The Exchange is a trusted hub where your expertise and the community's collective knowledge come together as ready-to-use resources. With clear visuals, rich metadata, and powerful filters, you can quickly pinpoint exactly what you need. Import, reuse, and share resources directly in Vectorworks to complete projects faster while growing your content library.

Graphics Acceleration: Tackle your most ambitious projects without slowing your creative flow. Experience smoother navigation and faster interactive rendering of large models with a modernized graphics engine that leverages the GPU, delivering cleaner visuals, reduced memory usage, and dependable performance across Shaded, Wireframe, and Showcase-style workflows.

***AI Visualizer – Nano Banana:** Access top-tier AI rendering right inside Vectorworks, available only to subscription customers. Leverage the free, unlimited model for everyday iterations, then switch to Nano Banana Pro or 2 for sharper 2K detail, smarter scene reasoning, and multi-image references. In-palette credit tracking gives you real-time visibility into usage, preventing overspending and unexpected limits that slow projects down.

Data Visualization Sets: Transform data visualizations into clear, reusable resources you can trust. Bring consistency to every project with smarter automation, enhanced control over how visualizations interact with compound sets and stacking overrides, and seamless syncing of tags, legends, and Saved Views—helping you deliver polished, data-driven graphics every time.

Dynamic Objects from DXF/DWG Dynamic Blocks: Bring AutoCAD dynamic blocks into Vectorworks without losing your momentum. Choose to convert each representation into editable symbols or consolidate them into a single Dynamic Object with a type dropdown, so you can swap configurations in a click, update instances globally, and keep imported drawings lean, flexible, and ready for design work.

CLOUD AND MOBILE

Cloud Document Reviewer Collaboration Objects: Let reviewers add image-rich, object-linked comments to projects from any device, then pull that feedback straight into Collaboration objects in your Vectorworks files. Track issues across versions, see what's open or resolved at a glance, and move coordinated changes through drawings, models, and on-site work without losing context.

ARCHITECTURE AND INTERIOR DESIGN

Doors and Windows: Build complex door and window conditions and adjust them on the fly as your project evolves. With native controls for placement, geometry, and visibility, you can create pivot doors, realistic sill profiles, and corner assemblies faster while reducing the need for manual cleanup. Respond to design changes quickly and deliver cleaner documentation.

***Georeferencing:** Locate your Vectorworks model exactly where it needs to be on the map, no GIS expertise required. With the Geolocation Setup Wizard, you can align surveys, point clouds, GIS layers, and location imagery—now including imagery from Google Maps—around a single survey point. Easily switch between local project coordinates and true geospatial positions as needed, and ensure federated models always line up for review.

Phasing: Streamline renovation and multistage projects with the Phasing system—now enhanced with data visualization sets. Easily track objects with statuses that indicate whether they're Existing, New, Demolished, Relocated, or Temporary. From this single source of truth, you'll automatically produce crystal-clear, phase-accurate drawings and reports, helping you deliver high-quality projects with confidence.

Dynamic Objects from Revit Families: Work more efficiently by bringing Revit families into Vectorworks as flexible, data-rich objects instead of static imports. Import each family once as a single dynamic object that holds every type and its metadata, then instantly switch configurations with the Object Info palette. Cut duplicate content, avoid repetitive imports, and keep your designs organized around clean, reliable data.

LANDSCAPES

Volume Fill Tool: Turn hard to define spaces—such as backfill areas or attenuation pond capacity—into clear, reliable data without hand building complex solids. The Volume Fill tool automatically fills and quantifies gaps between site elements and basins, reporting volume, area, and footprint so you can iterate on grading and stormwater strategies using precise data rather than rough estimates.

***Georeferencing:** Anchor your Vectorworks model to its real-world position on the map without needing GIS expertise. With the Geolocation Setup Wizard, you can align surveys, point clouds, GIS layers, and location imagery—now including imagery from Google Maps—around a single survey point. Move smoothly between local project coordinates and true geospatial positions as needed, and easily keep federated models aligned for coordination and review.

LIGHTING, SCENIC, RIGGING, AND LIVE EVENTS

Schematic View Workflow: Quickly turn complex 3D rigs into accurate 2D schematics. Enhanced schematic view workflows let you pick rig faces visually, mark each schematic with its orientation, reuse saved creation sets across shows, and auto apply label legends, data tags, and dimensions. Read rig schematics at a glance, keep drawings consistent from project to project, and spend less time on manual cleanup.

Cable Connectivity Workflows: Streamline power and data planning by working from a single connectivity source that keeps devices, distributors, and cable runs aligned as you design. Define connections at the device or symbol level, edit distributor internals visually, and rely on cable tools that respect breakout and break in lengths so you can produce accurate, build ready plans.

Lighting Device OIP Widget Groups: Edit fixtures faster by aligning the Object Info Palette with your design process. Group lighting device parameters into collapsible sections that mirror real world workflows, jump straight to the fields you use most, and save custom layouts to reuse across projects so you can make updates with less clutter and more speed.

Audio Listening Plane: See exactly where sound levels fall across your venue with clear visual representations integrated directly into your workflow. The new Listening Plane object enables seamless MVR exchange with external audio analysis software, so you can build measurement grids, easily visualize professional sound data in your Vectorworks model, and bring speakers in as true speaker objects instead of lighting devices.