# Vectorworks Landmark 2013 - Features List

## A comprehensive array of multi-modal 2D precision drafting tools.

- Rectangles
- Triangles
- Polygons
- Double Polygon
- Circles
- Ovals
- Polylines
- Lines
- Double Lines
- Arcs
- Spirals

## A suite of powerful free-form 3D modeling commands and tools based on the Parasolid model kernel.

- Automatic Working Plane
- Add/Subtract/Intersect Solids
- Add/Clip/Intersect/ Combine Surfaces
- Extrudes and Sweeps
- Platonic Solids
- Surface Array
- NURBS Curves & Surfaces
- Meshes
- Stitch & Trim Surfaces
- Extract Surfaces from Solids
- Push/Pull
- Loft Surface
- Shells
- Auto Hybrid

## Robust navigation and editing tools to easily and intuitively view and modify your designs in 2D or 3D.

- Smart Cursor
- Create/Select Similar
- Select Coincident Objects
- Create Objects from Shapes
- Eye Dropper
- Connect/Combine
- Attribute Mapping
- 2D Geometry Constraints
- 2D XRay Mode
- Flyover
- Clip Cube
- Full-Screen Perspective
- OpenGL Shadows
- Move by Point
- Reshape
- Rotate 2D/3D
- Mirror
- Trim
- Join
- Clip
- Split
- Offset
- Fillet
- Chamfer
- Align/Distribute
- Scale
- Divide

## Intelligent building and site information modeling objects enable an easy transition into a SIM workflow.

- Site Model
- Site Modifiers
- Retaining Wall Site Modifiers
- Roadways
- Property Line
- Stepped Wall
- Landscape Wall
- Hardscapes
- Plant
- Existing Tree
- Landscape Area
- Irrigation system objects
- Grade Tool
- Massing Model
- Guardrails
- Graticule & Great Circle tools
- Stake Object
- Parking layout tools
- Multi-component Walls
- Wall Features
- Roof systems & Roof Faces
- Doors & Windows
- Columns, Pilasters, & Pillars
- Stairs & Ramps

# Vectorworks Landmark 2013 - Features List Continued

## Visualizing designs is easy using a series of commands and rendering options available with Renderworks.

- CINEMA 4D Render Engine
- Atmospheric effects
- Volumetric lighting
- Renderworks Styles
- Image-based textures
- Shaders for realistic materials
- Artistic / Non-photo-realistic rendering
- Helidon
- Physical Sun & Sky
- Render physical light with .ies light distribution files
- Solar Animations
- Non-blocking Rendering

## Power tools to enhance Vectorworks' unique and flexible Site Information Modeling functionality.

- Zone of Visual Influence
- Plant Database
- Stories
- 2D/3D Wall Component Joining
- Model, Plan, Section, & Detail Viewports
- Automatic Drawing Coordination
- Model Referencing
- Resource Referencing
- Georeferenced Design Layers
- Two-Way Database Worksheets
- Image support in Worksheets
- Custom Data Records & Reporting
- External Database Connectivity (ODBC)

## Create stunning presentations and distinguished documentation with extensive annotation and detailing tools.

- WYSIWYG graphics
- Hyperlinks
- Parametric Sheet Borders
- Object-based Line Types
- Perfect Preview Text
- Text Styles
- Callouts / Keynotes
- Align/Distribute Leader Lines
- Notes Manager
- Redline & Revision Control
- Parametric notation objects
- Multimodal Constrained Dimensions
- 3D and Planar Dimensioning
- Automatic Exterior Wall Dimensioning
- Unilock Paving Patterns
- Xfrog Image Library
- Gradients
- Tile fills
- Image fills
- PS Pattern fills
- Vector Hatches
- 2D/3D Sketch-style rendering
- Unlimited Color Choices including palettes from Pantone®, Benjamin Moore®, Sherwin-Williams®, Resene®, Pittsburgh Paints®, & more
- Repetitive Unit tool
- Linear Material tool
- 2D/3D wood & metal detail objects
- 2D/3D fasteners
- 2D/3D machine components
- Library of details from www.CADdetails.com

## Sharing your models, drawings, and data is very simple with a broad array of import/export options.

- DXF/DWG
- DWF
- PDF
- .3DS
- .3DM (Rhinoceros)
- .IGES
- IFC 2x3
- gbXML
- .SAT
- .STL
- CINEMA 4D
- .SKP (Sketchup)
- .KML (Google Earth)
- COLLADA (Renderworks Required)
- FBX (Renderworks Required)
- Parasolid X_T
- .SHP
- Images (including JPG, TIF, PSD, EPSF, PICT, PNG, BMP)
- HDRI
- QuickTime VR object or Panorama
- ODBC

# Vectorworks Landmark 2013 - Features List Continued

## Generic object libraries to enhance your designs.

- Annotation symbols
- Cabinet pulls
- Cabinetry/Casework
- Door hardware
- Doors & Windows
- Electrical Accurate Lamps
- Electrical devices & equipment
- Entourage figures, vehicles & trees
- Flooring and Decking
- Furnishings & scenic elements
- Game fields
- Hardscape pavers
- Irrigation pipe, heads, & emitters
- Landscape lighting
- Landscape rocks
- Landscape Stipples
- Lighting equipment & accessories
- Lighting fixtures
- Map symbols
- Overhead doors
- Parking & road objects
- Paving Patterns
- Plant objects
- Profiles of wood, light-gauge metal, steel, & masonry objects
- Ramps
- Shutters
- Site furnishings & lighting
- Site Planning
- Trees
- Water features

## Additional resource libraries for Vectorworks Service Select customers.

- Haddonstone
- Landscape Forms
- Additional HDRI backgrounds & textures for Renderworks

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