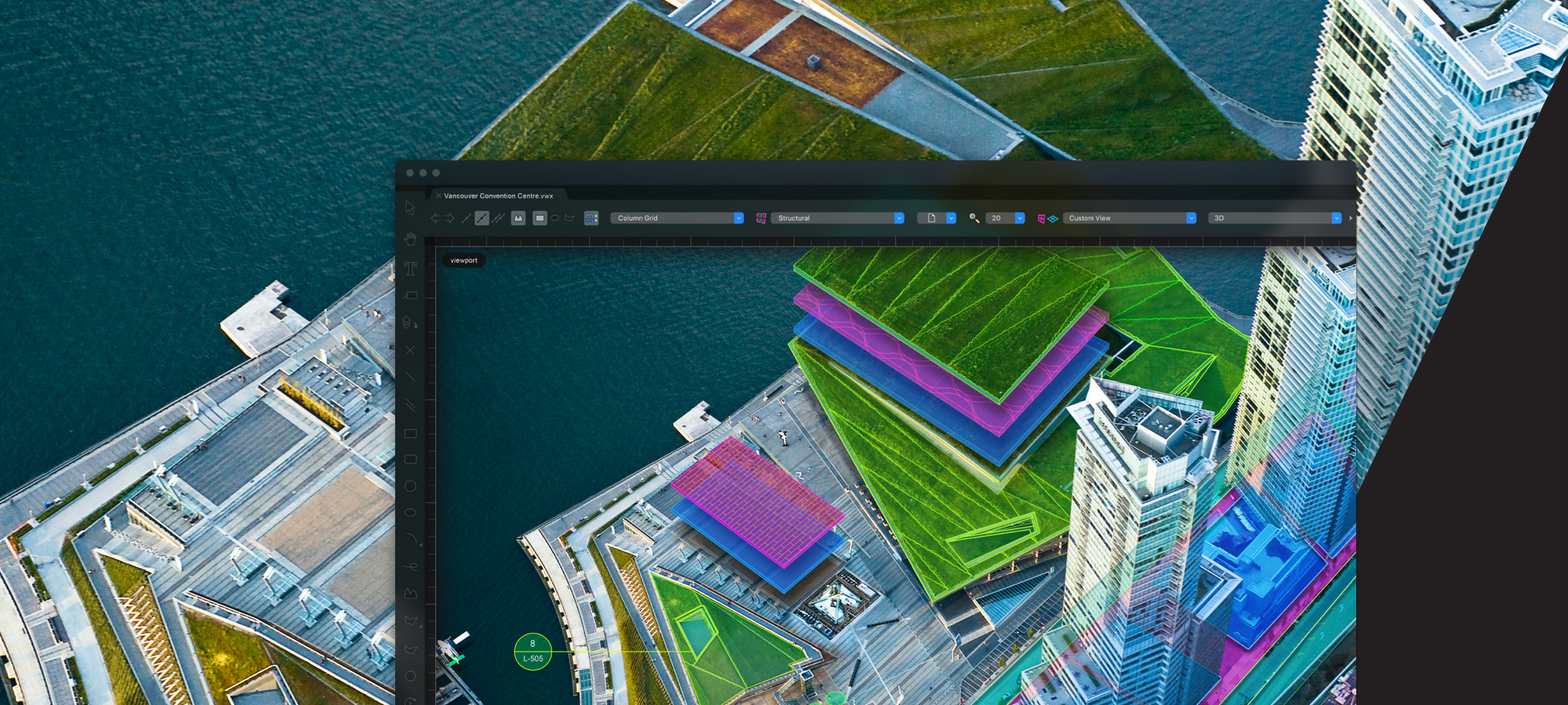




VECTORWORKS®
LANDMARK



THE ULTIMATE SOFTWARE FOR LANDSCAPE DESIGN

SKETCH, MODEL, AND DOCUMENT ANY PROJECT.

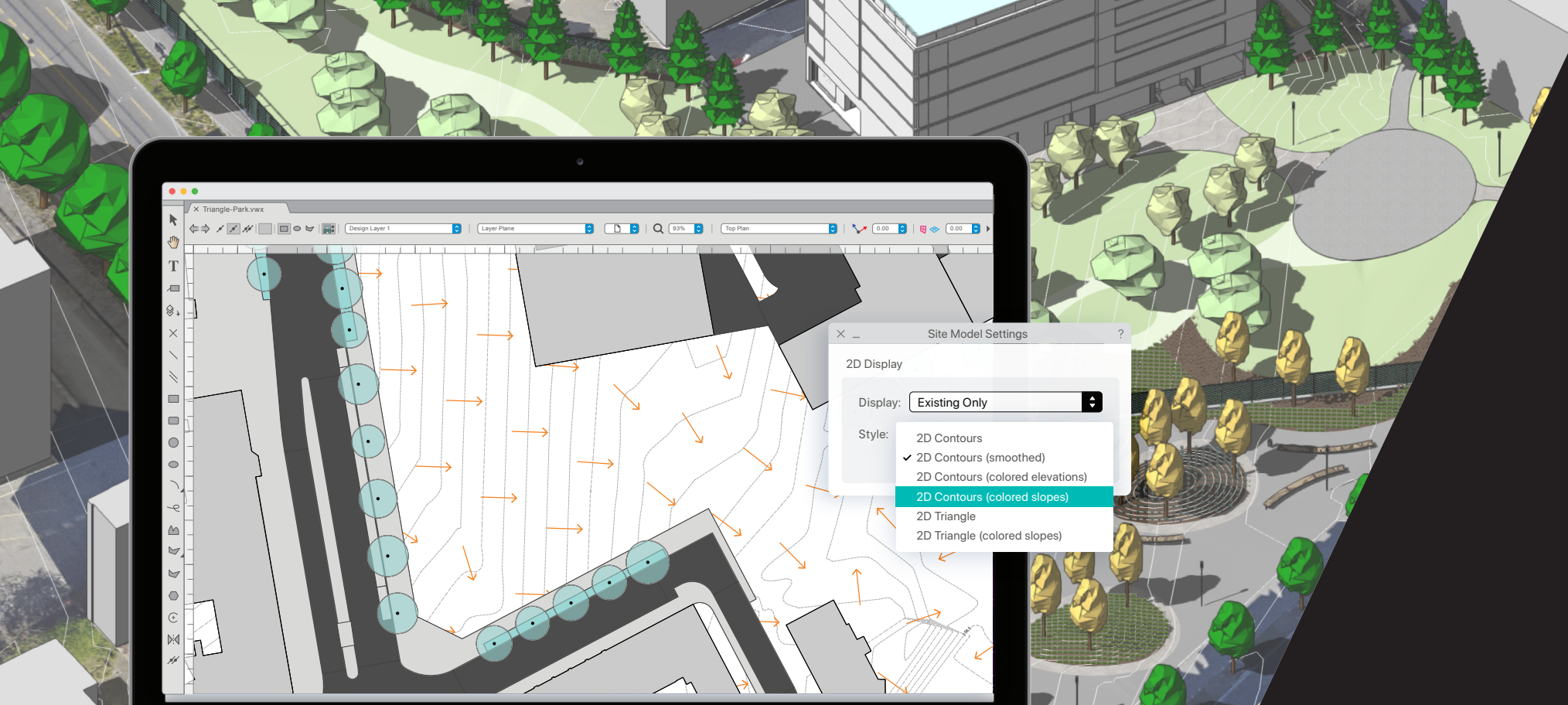
FRONT & INSIDE COVER:
VANCOUVER CONVENTION CENTRE EXPANSION | COURTESY OF PWL PARTNERSHIP
LANDSCAPE ARCHITECTS INC.

YOU NEED BIM. YOU NEED LANDMARK.

Own your designs and make empowered decisions with tools made specifically for landscape architects and designers. Vectorworks Landmark's BIM capabilities allow you to design with data instead of solely geometry, 2D lines or 3D models. In Landmark, your drawings, details, models and schedules are all integrated and linked. That means a change in one place is reflected everywhere. So, as revisions occur, you can spend more time designing and less time manually updating drawings. And, with the most import/export capabilities available, along with support for open BIM and IFC, you can easily work alongside architects who use other applications.

VECTORWORKS LANDMARK CAPABILITIES

- Building Information Modeling (BIM)
- Geographic Information System (GIS)
- Precision Drawing
- 2D Illustration
- Image Editing
- 3D Modeling
- Automatic Reports and Takeoffs
- Drag and Drop Site Content Libraries
- Live Data Visualization
- Reality Capture and 3D Scanning
- Digital Terrain Modeling and Analysis
- Planting and Hardscapes
- Irrigation Design and Water Budgeting
- Vehicular Turn Simulation
- Algorithmic Design
- Photo and Non-photo Realistic Rendering
- Virtual Reality and Augmented Reality



TERRAIN MODELING AND ANALYSIS

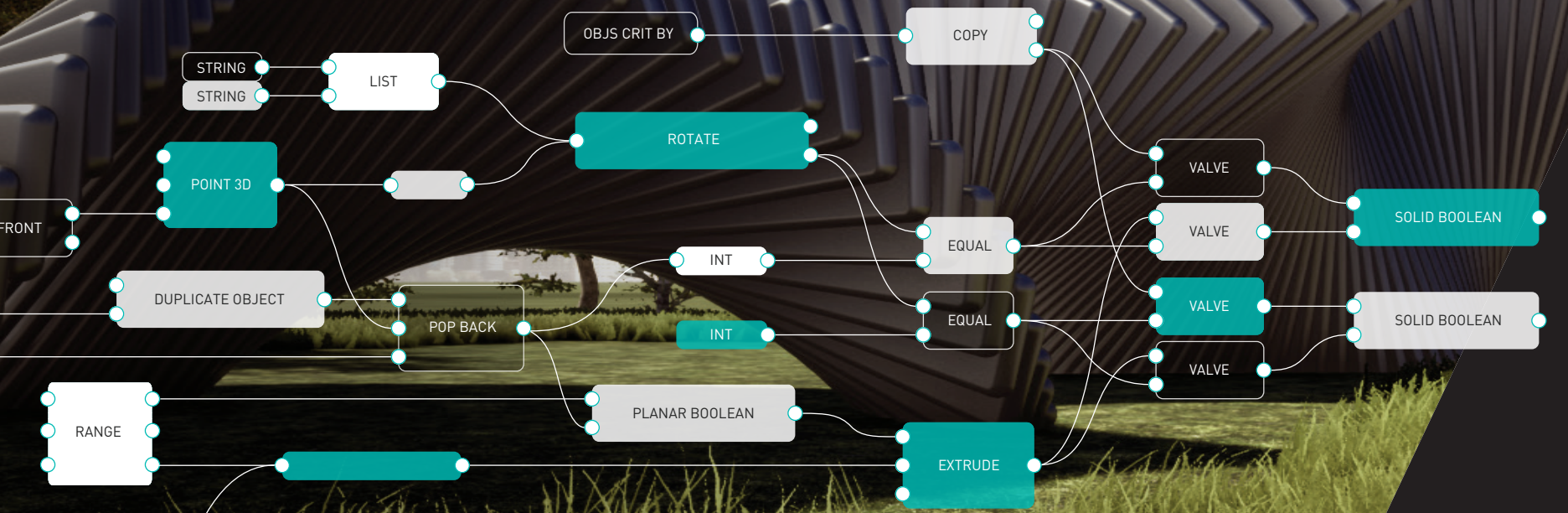
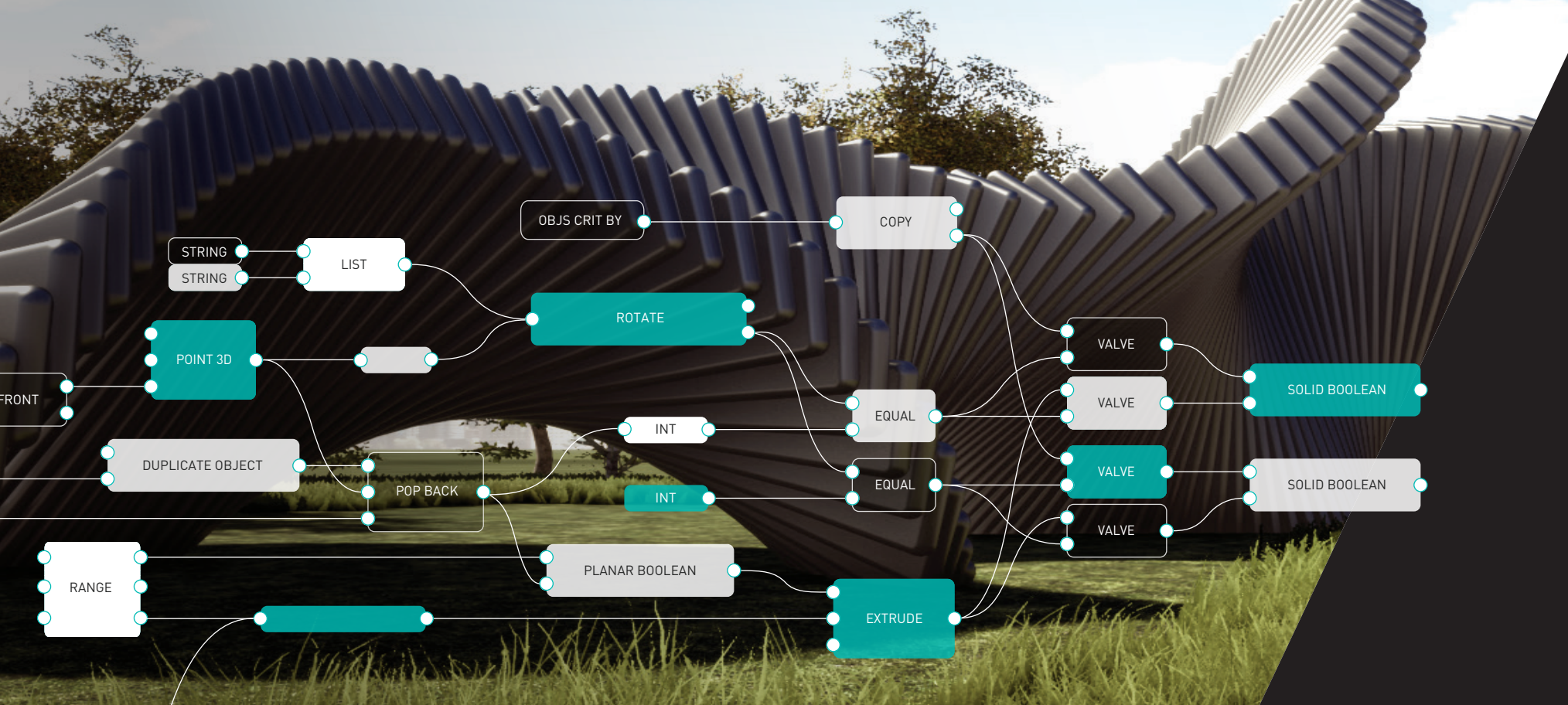
Vectorworks Landmark has all the BIM capabilities you need to perform the terrain analysis that's crucial to the design work of a landscape professional. In one easy-to-adopt interface, you can integrate contours, surfaces, cut/fill, slope, and drainage data. Edit your site model with flexible surface sculpting and create accurate site visualizations with an enhanced hardscape alignment feature.

SIMPLIFY DATA MANAGEMENT

Manage your designs better than ever before with Vectorworks' worksheet capabilities. Track data, create cost and material lists, perform calculations, and more all within Landmark. You can also import and export worksheet data to other spreadsheet programs. And, because the worksheet is integrated to the Vectorworks file, the number of files per project can be greatly reduced.

The image shows a screenshot of the Vectorworks software interface. The main window displays a landscape design plan for 'Triangle Park'. The plan includes various elements such as trees, benches, a herb garden, a meadow, and a raised street level. A 'Preliminary Cost Take-off' table is overlaid on the design, providing a detailed breakdown of costs for different components of the project.

Scope of Work	Quantity	Unit	Price per Unit	Total
Tree Planting	115	EA	\$XX.XX	\$XX,XXX.XX
<i>Acer platanoides</i>	14	EA	\$XX.XX	\$XXX.XX
<i>Alnus glutinosa</i>	24	EA	\$XX.XX	\$XXX.XX
<i>Fagus sylvatica</i>	18	EA	\$XX.XX	\$XXX.XX
<i>Pinus nigra</i>	20	EA	\$XX.XX	\$XXX.XX
<i>Populus tremula</i>	28	EA	\$XX.XX	\$XXX.XX
<i>Prunus avium</i>	11	EA	\$XX.XX	\$XXX.XX
Landscape Surfaces	1000	sq. m	\$XX.XX	\$X,XXX.XX
Lawn	642	sq. m	\$XX.XX	\$XXX.XX
Mulch Beds	358	sq. m	\$XX.XX	\$XXX.XX
Meadow Mix	358	sq. m	\$XX.XX	\$XXX.XX
Hardscape	4000	sq. m	\$XX.XX	\$X,XXX.XX
Bituminous Asphalt Paving	2450	sq. m	\$XX.XX	\$XXX.XX
Porphyry Cobblestone	1550	sq. m	\$XX.XX	\$XXX.XX
Total				\$XXX,XXX.XX

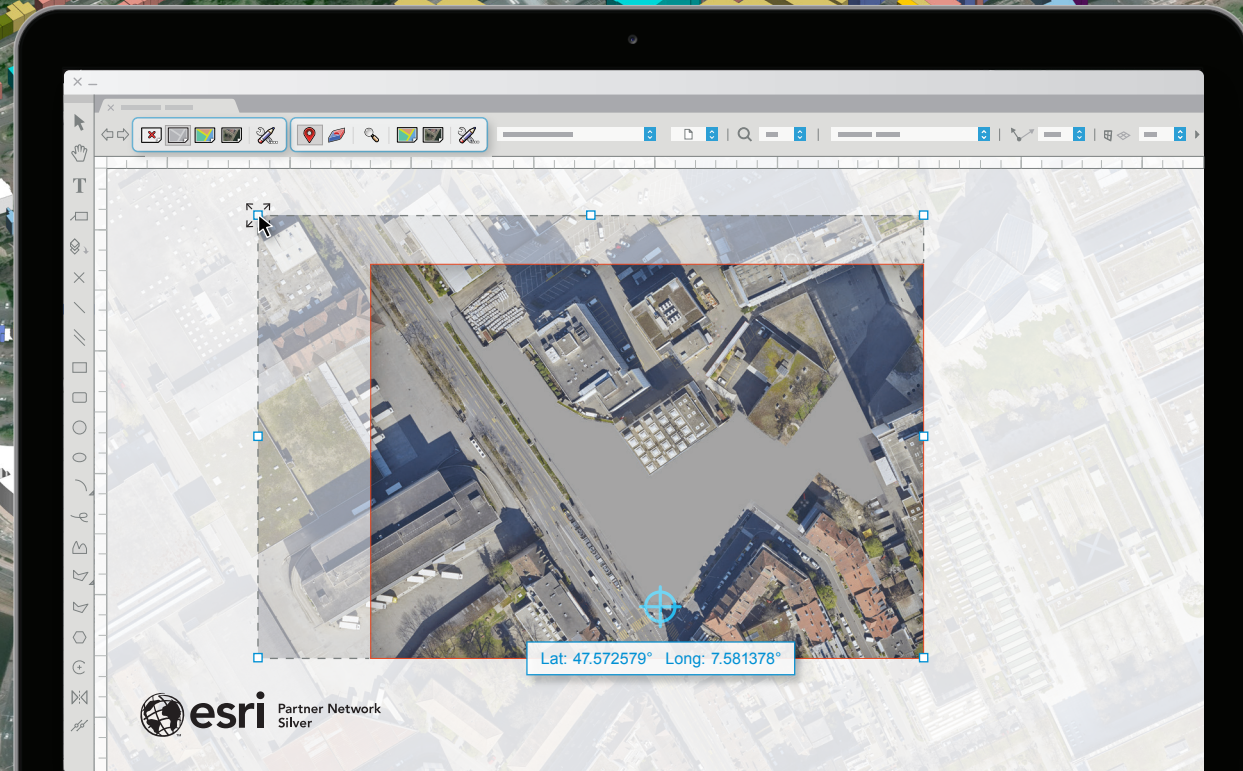


AUTOMATE WITH ALGORITHMS-AIDED DESIGN

It takes time and care to design unique objects with specific functionality. With Marionette, Vectorworks' built-in algorithms-aided design tool, you can automate the extraction of necessary data and create multiple iterations of custom designs, allowing you to focus on the design itself instead of documentation.

INTEGRATE GIS WITH EASE

Vectorworks has partnered with Esri to promote the integration of GIS imagery and services with BIM models among the AEC and site planning industries. With proper geographic coordinates and projection in the Vectorworks file, you can accurately geolocate your project by simply entering an address. Incorporate street map imagery, aerial imagery and feature layers in your design through ArcGIS and other feature services. Apply geo-image textures to your site model. And with a paid ArcGIS online service plan, you can access more maps, imagery, and feature services directly in Vectorworks.





“

All of the information is embedded in the object. If something should change, such as a plant species, it can be replaced easily.

—SAM BAILEY

SENIOR LANDSCAPE ARCHITECT AT ARES LANDSCAPE ARCHITECTS LTD

NOTTINGHAM CITY HUB | COURTESY OF ARES LANDSCAPE ARCHITECTS LTD

CREATE IMMERSIVE EXPERIENCES WITH AR/VR

Vectorworks integrates cutting-edge technology to keep your presentation workflows flourishing. Vectorworks Nomad, our mobile app, comes with powerful augmented and virtual reality features that allow you to view models in real-world context and send a web link to anyone, anywhere — viewable in 3D on any web-enabled devices.

And with Vectorworks Cloud Services, you can create immersive cloud presentations with 360-degree rendered panoramas. It's all stored in the Cloud, sparing your device's precious storage space.



VECTORWORKS LANDMARK FILE IMPORT/EXPORT CAPABILITIES

FILE TYPE	IMPORT	EXPORT	FILE TYPE	IMPORT	EXPORT	FILE TYPE	IMPORT	EXPORT
3D PDF		✓	GIS shapefile (.SHP)	✓	✓	Photoshop (.PSD)	✓	✓
3DS	✓	✓	HDR/HDRI	✓	✓	Point Cloud	✓	
BCF	✓	✓	IFC	✓	✓	Python Script	✓	✓
Cinema 4D (.C4D)		✓	IGS/IGES	✓	✓	Revit (.RVT, .RFA)	✓	✓
C4D Textures	✓		Illustrator (.EPS)	✓	✓	Rhino (.3DM)	✓	✓
Collada		✓	Image Files (GIF, BMP, TIF, JPG, PNG)	✓	✓	SAT	✓	✓
Database	✓	✓	KML		✓	SketchUp (.SKP)	✓	
XLS/XLSX	✓	✓	MOV		✓	STP/STEP	✓	✓
CSV	✓	✓	mtextur	✓		STL	✓	✓
DWG/DXF/DWF (including Civil 3D)	✓	✓	Mosa Pattern	✓		Web View		✓
ECW	✓		OBJ	✓	✓	Unreal Datasmith		✓
FBX		✓	Parasolid X-T	✓	✓			
gbXML		✓	PDF & PDF/A	✓	✓			

DIRECT REFERENCE - IMPORT FILE FORMATS AS REFERENCES DIRECTLY INTO YOUR VECTORWORKS FILE

WORK WITH ANYONE

Vectorworks allows you to easily collaborate and share files with colleagues, consultants, and clients.

We offer an expansive selection of import/export capabilities including AutoCAD®, Revit®, SketchUp® and Rhino® file formats, and more. Furthermore, Vectorworks supports an Open BIM workflow for BIM projects requiring the direct referencing of IFC and BCF file formats.

OPTIMIZE WORKFLOWS WITH PRODUCT INTEGRATIONS

The Vectorworks Partner Network is a robust ecosystem of organizations that bring innovative technologies to your workflows. These solutions include live-sync rendering tools and integration, direct connection to GIS technology, countless libraries of manufacturer content, and many more available third-party product and service integrations.





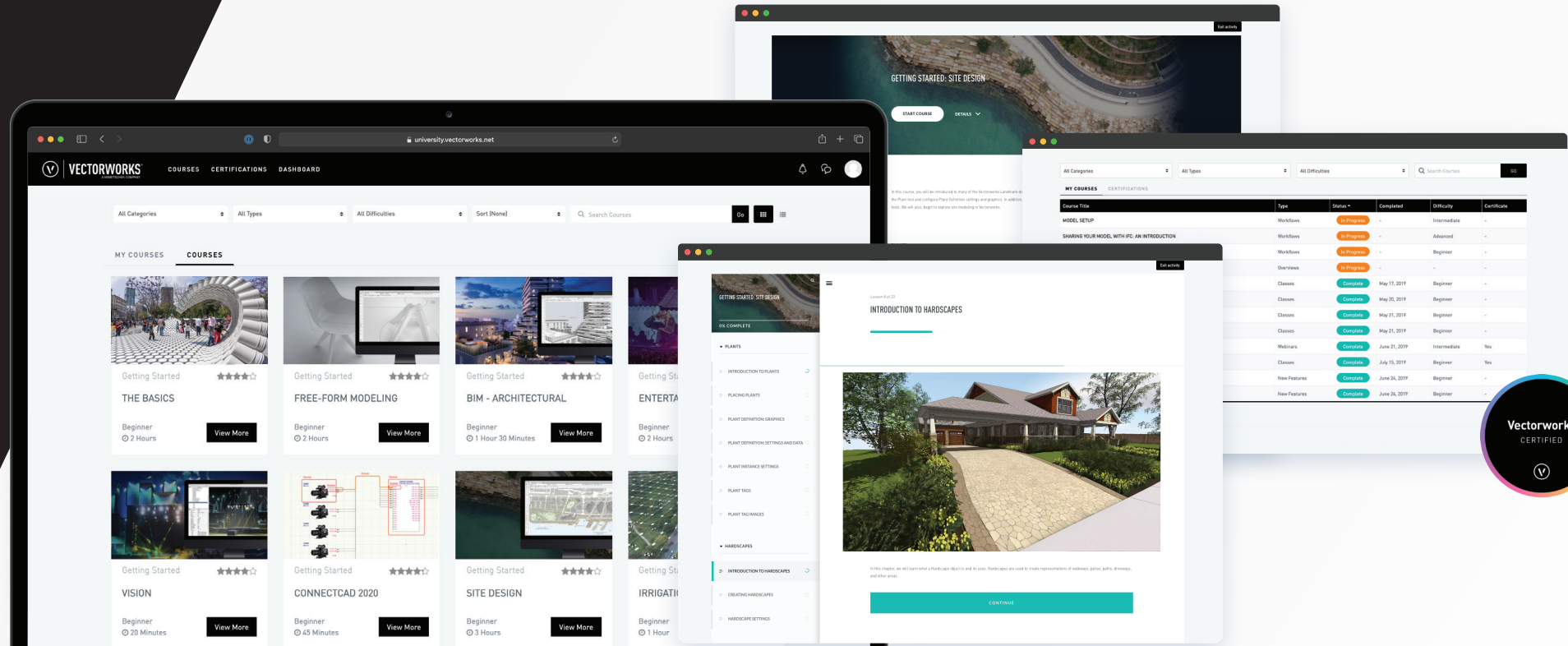
CREATE POWERFUL PRESENTATIONS

Express your signature style, set your firm apart, and win more work. With an extensive suite of drawing, illustration, and rendering tools, Vectorworks allows you to produce remarkable line drawings and 3D presentations, so you'll impress even the toughest of clients.

URBAN PLANNING PROJECT | COURTESY OF OJB LANDSCAPE ARCHITECTURE

TRAINING MADE TO EDUCATE AND MOTIVATE

With Vectorworks University, beginners and experienced designers alike can gain new skills and fine-tune workflows to optimize creative processes. Make the most of your learning by pursuing one of our certifications or get exactly the answer you need with our customizable training options.



SYSTEM RECOMMENDATIONS

Peak performance in Vectorworks may vary depending on several factors, including hardware configurations and project types. To get a complete and updated list of system requirements and recommended hardware profiles, please visit vectorworks.net/sysreq.

macOS 11 (Big Sur)
macOS 10.15 (Catalina)
Windows 10 64-bit

RAM

- E** 8GB or more
- M** 16GB or more
- H** 32GB or more

DISPLAY RESOLUTION

1920x1080 or higher recommended

PROCESSOR

- E** Intel Core i5 (or AMD Ryzen 5) or better. Apple M Series
- M** 2.0+ GHz Intel Core i7 (or AMD Ryzen 7 with six cores) or better. Apple M Series
- H** 3.0+ GHz Intel Core i7 (or AMD Ryzen 7 with eight cores) or better. Apple M Series

GRAPHICS CARD

- E** macOS: Metal GPUFamily 1 or later. Windows: DirectX 11 compatible. 2GB of VRAM or more
- M** macOS: Metal GPUFamily 1 v4 or later. Windows: DirectX 11 compatible. 3GB of VRAM or more
- H** macOS: Metal GPUFamily 2 or later. Windows: DirectX 11 compatible. 8GB of VRAM or more
- V** A dedicated OpenGL 4.1 compatible graphics card with 8GB of VRAM or more

NETWORK REQUIREMENTS FOR PROJECT SHARING

Project sharing requires high-speed network connections. As the network bandwidth increases, so does project sharing performance. Slower network speeds can still provide a satisfactory user experience if you minimize operations that transfer large amounts of data over the network (such as committing changes to the project file or refreshing a local working file).

Key: **E** Entry-level profile **M** Mid-level profile **H** High-end profile **V** High-end Vision profile

NOTES

DESIGN WITHOUT LIMITS.
DESIGN WITH
VECTORWORKS.

DOWNLOAD YOUR FREE TRIAL AT [VECTORWORKS.NET/LANDMARK](https://vectorworks.net/landmark)

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