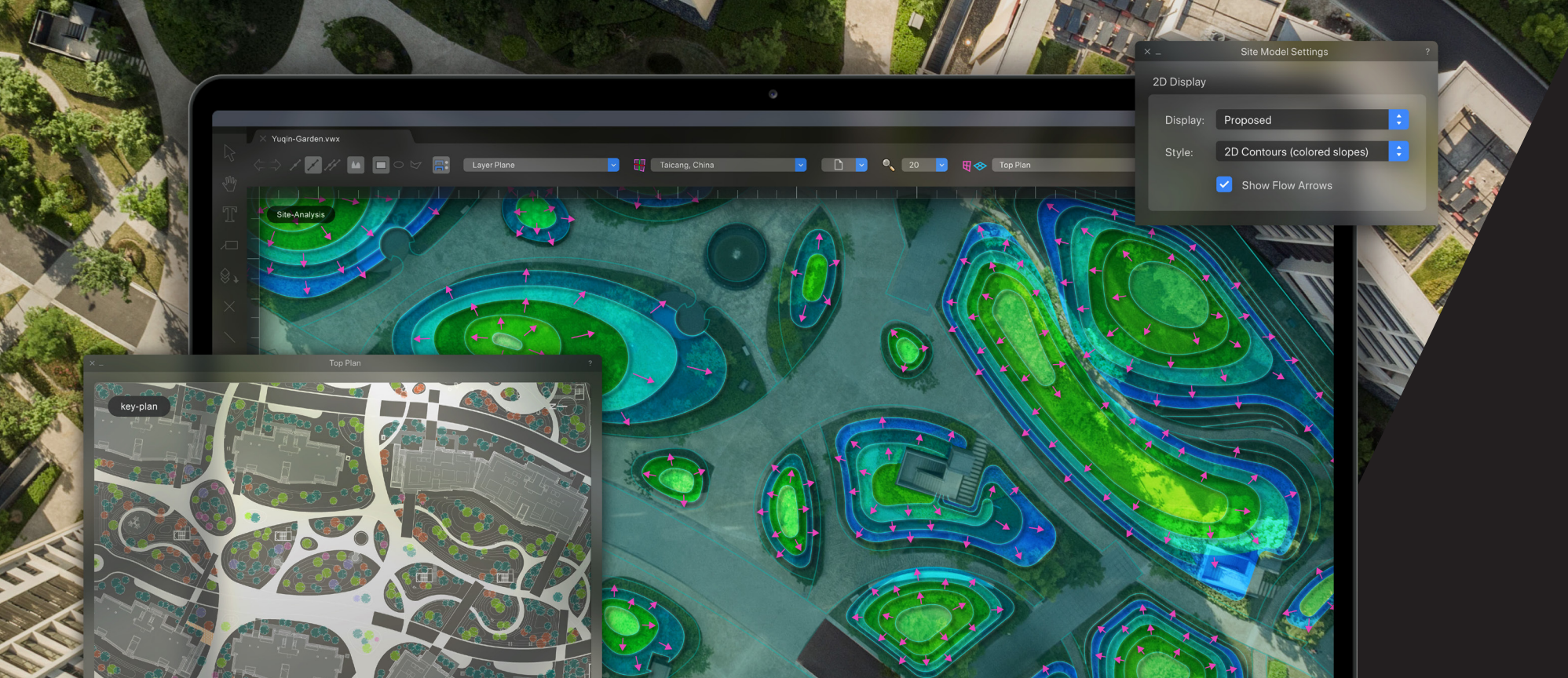




VECTORWORKS®
LANDMARK



THE ULTIMATE SOFTWARE FOR LANDSCAPE DESIGN

SKETCH, MODEL, AND DOCUMENT ANY PROJECT.

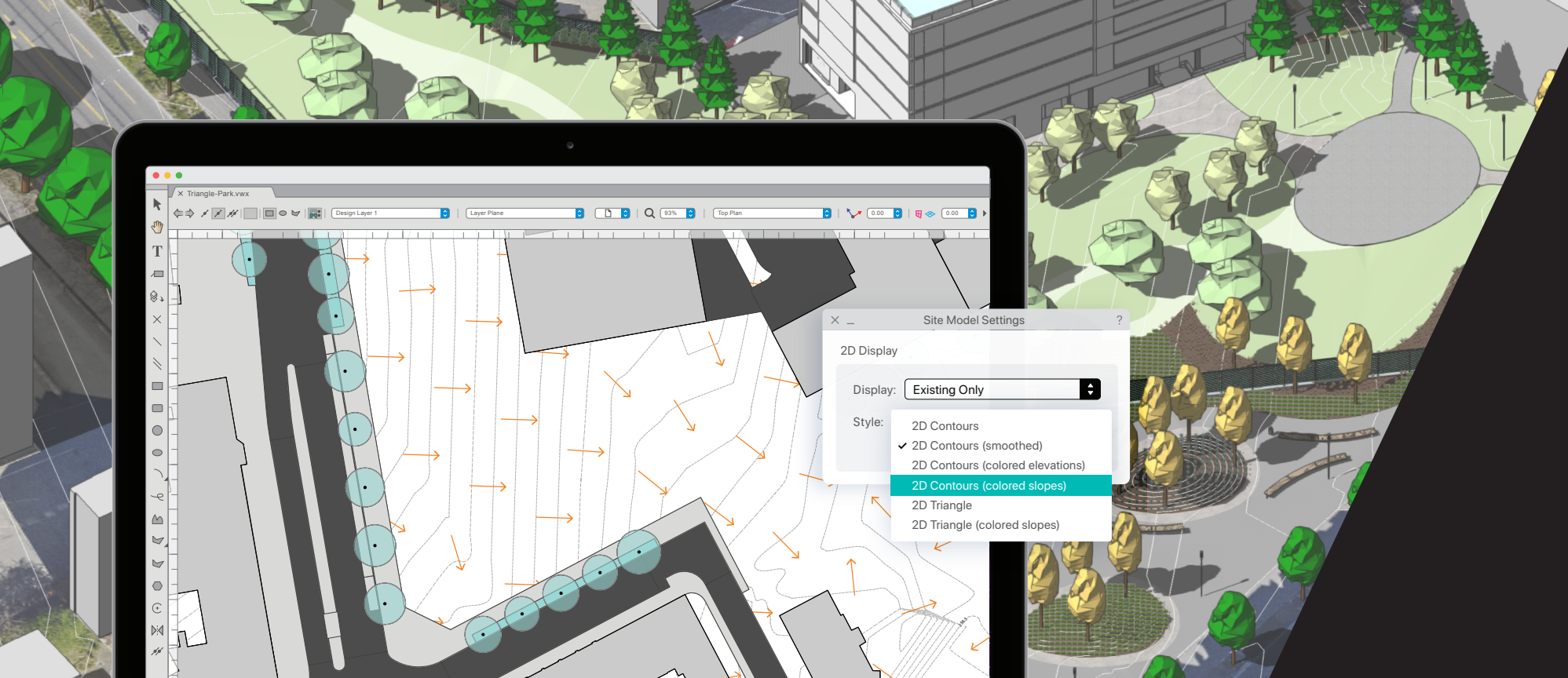
FRONT & INSIDE COVER:
TAICANG YUQIN GARDEN | COURTESY OF PLACEMEDIA
LANDSCAPE ARCHITECTS COLLABORATIVE AND EIICHI KANO

YOU NEED BIM. YOU NEED LANDMARK.

Take ownership of your designs and feel empowered to make 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) | ➤ Reality Capture and 3D Scanning |
| ➤ Geographic Information System (GIS) | ➤ Digital Terrain Modeling and Analysis |
| ➤ Precision Drawing | ➤ Planting and Hardscapes |
| ➤ 2D Illustration | ➤ Irrigation Design and Water Budgeting |
| ➤ Image Editing | ➤ Vehicular Turn Simulation |
| ➤ 3D Modeling | ➤ Algorithmic Design |
| ➤ Automatic Reports and Takeoffs | ➤ Photo and Non-photo Realistic Rendering |
| ➤ Drag and Drop Site Content Libraries | ➤ Virtual Reality and Augmented Reality |
| ➤ Live Data Visualization | |

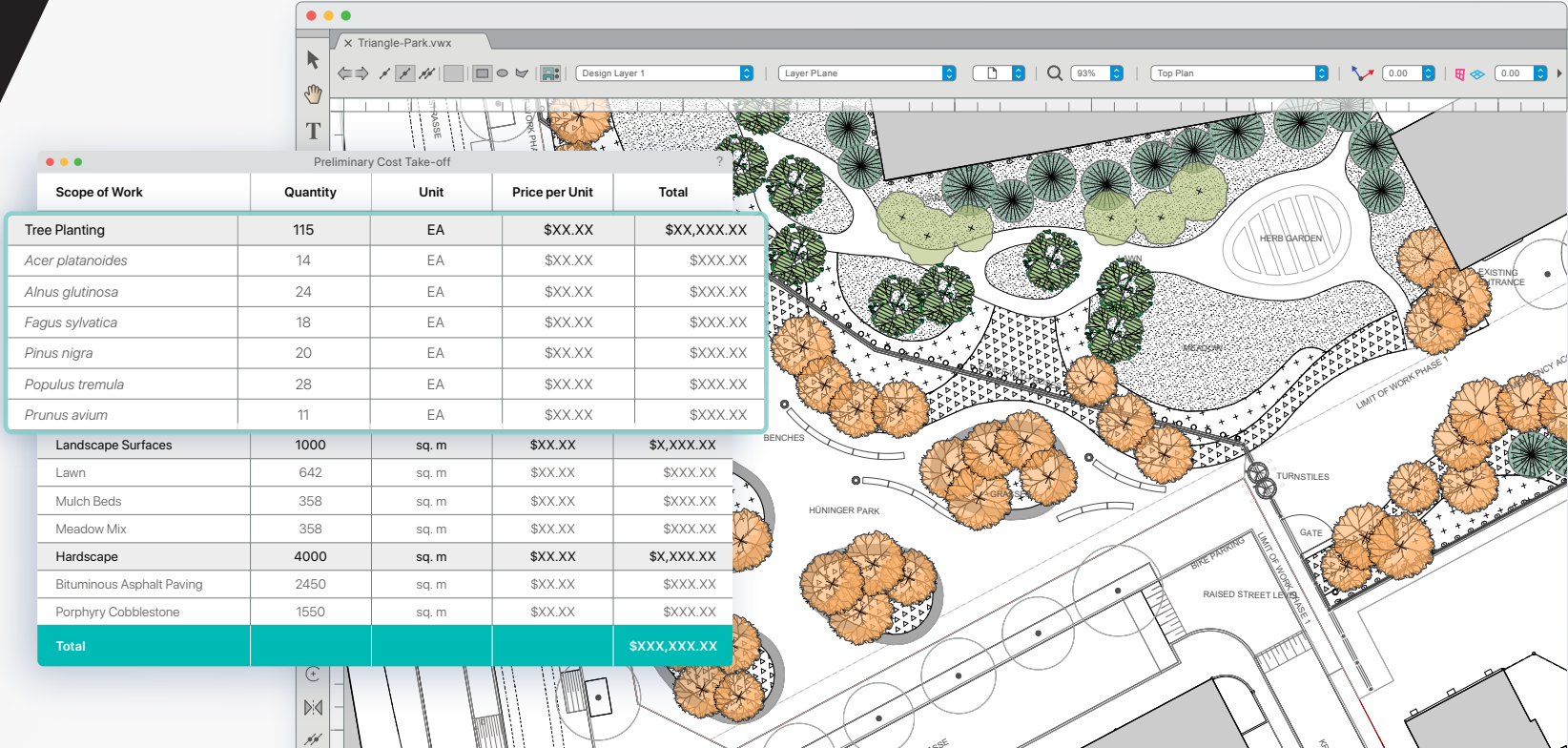


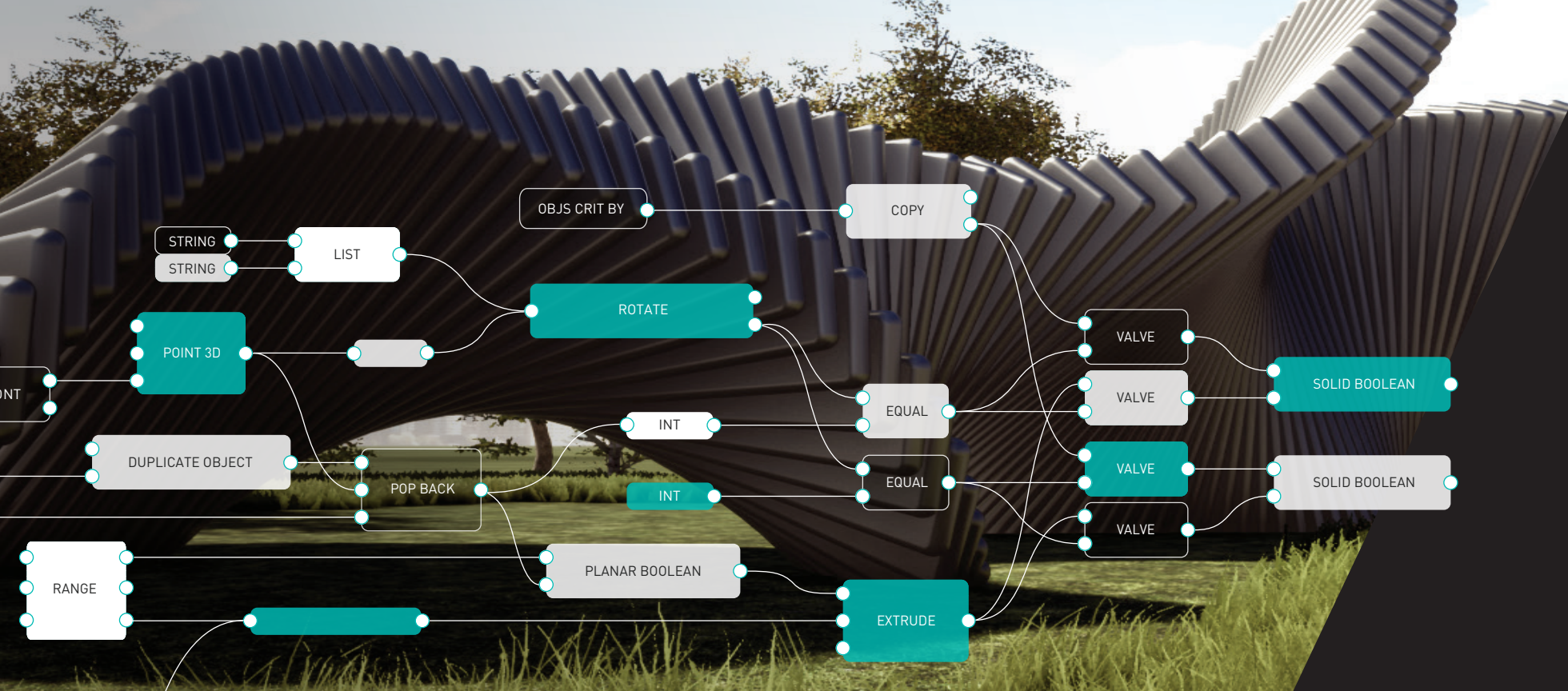
TERRAIN MODELING AND ANALYSIS

Vectorworks Landmark has all the BIM capabilities you need to perform the terrain analysis that's so important 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. 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.



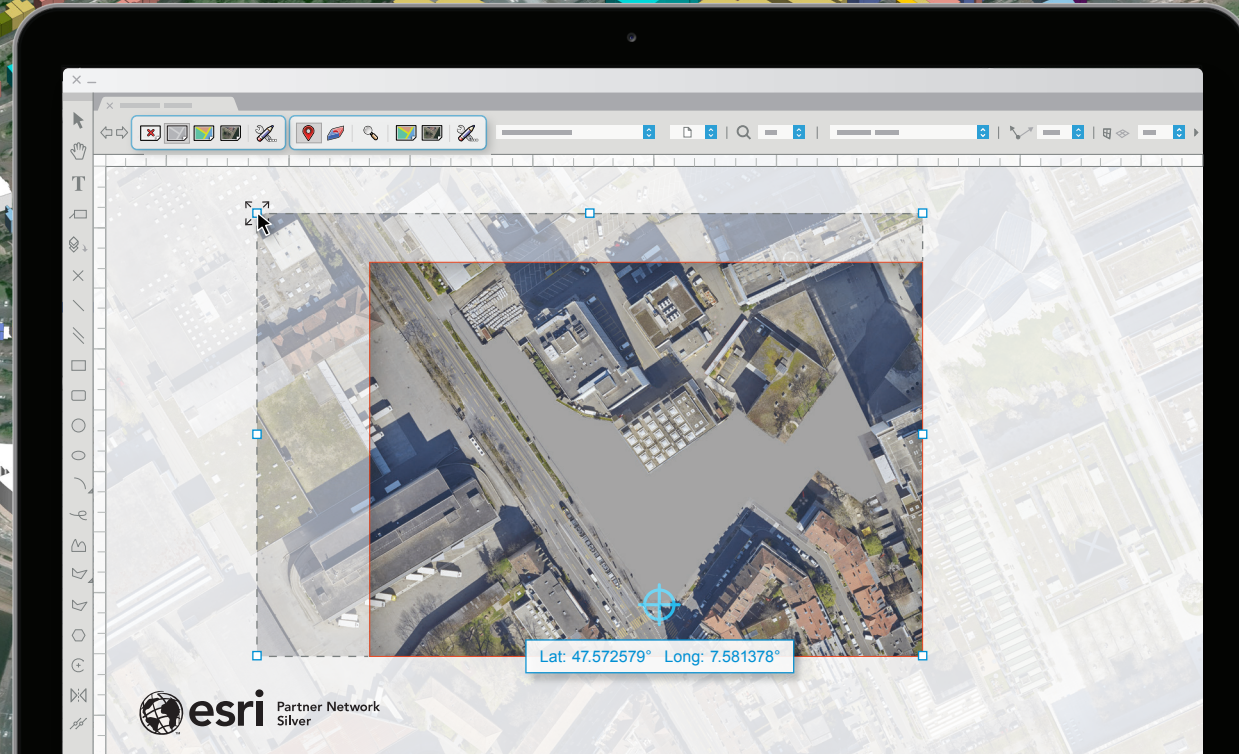


AUTOMATE WITH ALGORITHMS-AIDED DESIGN

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. Instantly incorporate street map imagery and aerial imagery in your design through ArcGIS. Incorporate geo-image textures to your site model. And with a paid ArcGIS online service plan, you can access more maps and other imagery directly in Vectorworks.





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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

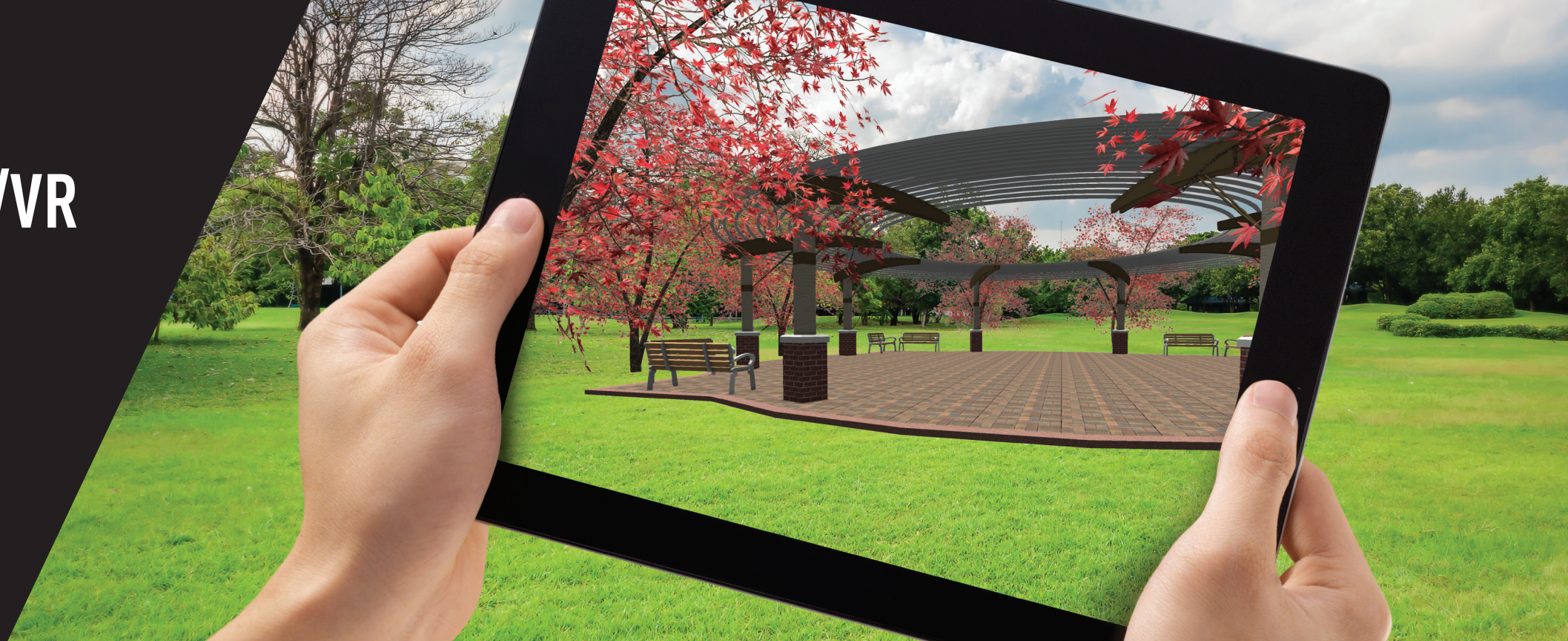
SENIOR LANDSCAPE ARCHITECT AT ARES LANDSCAPE ARCHITECTS LTD

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		✓	HDR/ HDRI	✓	✓	Rhino (.3DM)	✓	✓
3DS	✓	✓	IFC	✓	✓	SAT	✓	✓
Cinema 4D (.C4D)		✓	IGS/IGES	✓	✓	Script	✓	✓
C4D Textures	✓		Image Files (GIF, BMP, TIF, JPG, PNG)	✓	✓	Shapefile	✓	✓
Collada		✓	KML		✓	SketchUp (.SKP)	✓	
Database	✓	✓	OBJ	✓	✓	STP/STEP	✓	✓
CSV	✓	✓	Parasolid X-T	✓	✓	STL	✓	✓
DWG/DXF/DWF	✓	✓	PDF	✓	✓	Web View		✓
ECW	✓		Revit	✓	✓	XLS/XLSX	✓	✓
FBX		✓	Point Cloud	✓				

WORK WITH ANYONE

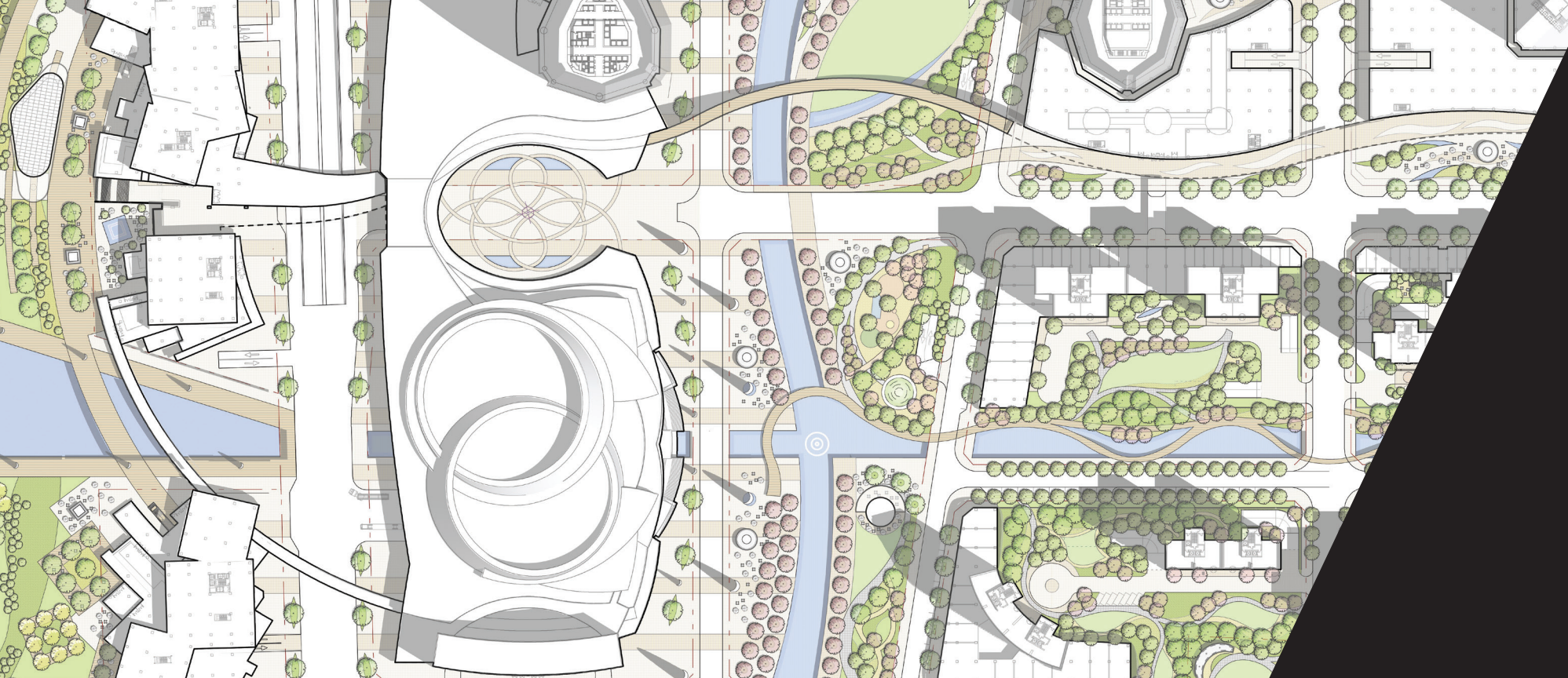
Easily collaborate and share files with anyone, anywhere. We offer an expansive selection of import/export capabilities, including Revit®, AutoCAD®, SketchUp®, Rhino®, GIS, GeoTIFF, shapefile, Cinema 4D, Photoshop®, and more, as well as support for openBIM, IFC, and PDF.

And project sharing enables your entire team to work on a Vectorworks file concurrently, so they can be more efficient on every project.

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

We're here for you. With Vectorworks University, beginners and experienced designers alike will gain new skills, fine-tune workflows, and discover new ways to make the most of Vectorworks software. Take virtual courses with our expert training team — customizable training options ensure that you get exactly the answers you need, no matter your skill level.

The image displays the Vectorworks University website across three devices: a laptop, a tablet, and a smartphone. The laptop screen shows the 'COURSES' page with a grid of course cards. The tablet screen shows the 'GETTING STARTED: SITE DESIGN' course page. The smartphone screen shows the 'INTRODUCTION TO HARDSCAPES' course page.

Vectorworks University Courses Grid:

Course Title	Difficulty	Duration	View More
Getting Started	Beginner	2 Hours	View More
THE BASICS	Beginner	2 Hours	View More
Getting Started	Beginner	2 Hours	View More
FREE-FORM MODELING	Beginner	2 Hours	View More
Getting Started	Beginner	1 Hour 30 Minutes	View More
BIM - ARCHITECTURAL	Beginner	1 Hour 30 Minutes	View More
Getting Started	Beginner	2 Hours	View More
ENTERTAINMENT	Beginner	2 Hours	View More
Getting Started	Beginner	20 Minutes	View More
VISION	Beginner	20 Minutes	View More
Getting Started	Beginner	45 Minutes	View More
CONNECTCAD 2020	Beginner	45 Minutes	View More
Getting Started	Beginner	3 Hours	View More
SITE DESIGN	Beginner	3 Hours	View More
Getting Started	Beginner	1 Hour	View More
IRRIGATION	Beginner	1 Hour	View More

GETTING STARTED: SITE DESIGN Course Page:

GETTING STARTED: SITE DESIGN

START COURSE DETAILS

In this course, you will be introduced to many of the fundamental Landscape design tools in the Plant tool and intelligent Plant Selection settings and graphics. In addition, we will learn how to use the new Plant Selection tool to create realistic site models in Vectorworks.

INTRODUCTION TO HARDSCAPES Course Page:

INTRODUCTION TO HARDSCAPES

Lesson 8 of 20

In this chapter, we will learn what a Hardscape object is and its uses. Hardscapes are used to create representations of walkways, paths, patios, driveways, and other areas.

CONTINUE

MY COURSES Table:

Course Title	Type	Status	Completed	Difficulty	Certificate
MODEL SETUP	Workflows	In Progress	-	Intermediate	-
SHARING YOUR MODEL WITH IFC: AN INTRODUCTION	Workflows	In Progress	-	Advanced	-
	Workflows	In Progress	-	Beginner	-
	Overviews	-	-	-	-
	Classes	Complete	May 17, 2019	Beginner	-
	Classes	Complete	May 20, 2019	Beginner	-
	Classes	Complete	May 21, 2019	Beginner	-
	Classes	Complete	May 21, 2019	Beginner	-
	Webinars	Complete	June 21, 2019	Intermediate	Yes
	Classes	Complete	July 16, 2019	Beginner	Yes
	New Features	Complete	June 24, 2019	Beginner	-
	New Features	Complete	June 24, 2019	Beginner	-

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/

Mac OS 10.15 (Catalina)
Mac OS 10.14 (Mojave)
Mac OS X 10.13 (High Sierra)
Mac OS X 10.12 (Sierra)

Windows 10 64-bit

RAM

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

DISPLAY RESOLUTION

1920x1080 recommended

PROCESSOR

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

GRAPHICS CARD

- E** OpenGL 2.1 compatible
graphics card with
2GB of VRAM or more
- M** OpenGL 2.1 compatible
graphics card with
3GB of VRAM or more
- H** OpenGL 2.1 compatible
graphics card with
8GB of VRAM or more

NETWORK REQUIREMENTS FOR 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

NOTES

TRANSFORM THE WORLD. DESIGN WITH VECTORWORKS.

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

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