

# vertex • 3D PLATFORM

3D COLLABORATION FOR EVERYONE

The **Vertex 3D Platform** enables you to embed interactive 3D content in web-based and native apps quickly and easily. Get a jumpstart with our open-source SDK and its ready-made UI components and utilities. You don't need 3D experience to get started.



### 3D MODEL AND METADATA IMPORT

Upload any major CAD or neutral file format, store and access multiple revisions. Our data API supports direct integration with PDM, PLM, ERP, and MES systems.



### DIGITAL MOCKUP FEATURES

Create 3D snapshots or access those from Vertex Connect, create cross-sections, perform precise measurements, add 3D pins and annotations, and search metadata.



### UNTETHERED MASSIVE MODELS

Build powerful 3D applications with massive multi-CAD, multi-BIM, and multi-PLM scenes showing complete manufacturing, architecture, and construction designs.



### DYNAMIC SCENES & OBJECTS

Modify 3D scenes on the fly and see changes instantly. Update scene structure, object position and orientation, visibility, material color, transparency, cross-sectioning, measurement, and more.



### OPEN SOURCE SDK

Join our [Developer Community](#) and get a jumpstart building 3D applications. The SDK has all you need to get started, including React Component Bindings, Node API and Java Clients, HTML 5 Web Components, and more.



### DATA SECURITY

Our world-class approach to security keeps your data safe in the cloud and enables you to build powerful 3D apps without needing to deliver 3D data to the end-user device.



**POWERED BY AWS** The Vertex 3D Platform runs on AWS. Like AWS, we offer usage-based pricing enabling you to pay as you go. Visit [AWS Marketplace](#) to get started.



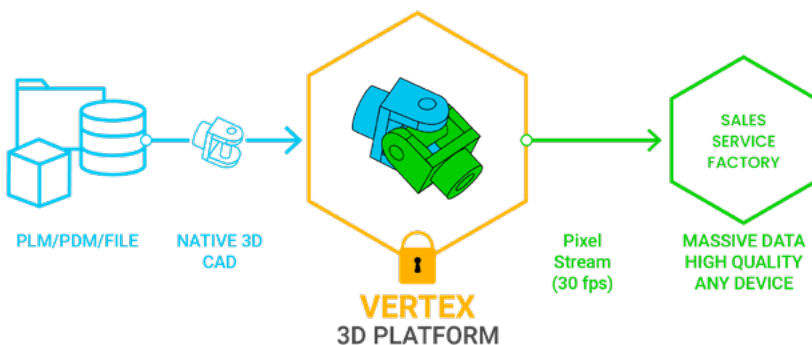
### HIGH-PERFORMANCE REST API

Use our high-performance REST API to import and export data, build, render, and update 3D scenes, and deliver high-quality interactive 3D to any device. Keep your UI in sync with 3D scenes and data events using WebHooks.



### MERGE & EXPORT

Combine 3D CAD and BIM data from different file formats to create a unified scene. Then, export an entire model or a subset to a neutral format regardless of the file formats you imported.



**“The capabilities we see in the Vertex Platform are a source of competitive advantage for us as we look to bring our Smart Factory vision to life.”**

**- Program Manager,**  
Smart Factory, F100 Customer



3D COLLABORATION FOR EVERYONE

## WHAT MAKES US DIFFERENT

**ZERO INSTALL** We deliver a revolutionary zero-install, cloud-based approach to industrial 3D visualization that supports scale of use and quality never before thought possible.

**DEVICE AGNOSTIC** We are ideal for broadly distributed 3D solutions for mobile and low-power devices common to supply chain, sales, service, and factory workflows in multi-CAD and multi-PLM organizations

**MASSIVE MODELS** We enable fully-interactive visualization of large 3D models that are otherwise impossible to view even on today's most powerful computers. With Vertex, you can instantly view CAD or BIM data for full products and entire factories.

**COMBINE DATA WITH EASE** We make direct integration with manufacturing data systems easy. Eliminate cumbersome data translation workflows required for 3D solutions. Merge data from multiple CAD, BIM, and PLM systems without intermediary files and storage systems and associate metadata from any source.

**QUICK TIME-TO-VALUE** We provide turnkey web-based software and developer tools that make sharing 3D data and embedding 3D content in software applications fast and easy.

**NO FILES** We stream pixels, not part files, ensuring your IP is always under your control and protected from incidental disclosure.



**“What Vertex has for delivering 3D Content to the shop floor is very exciting for us. We want to push the boundaries, and you have the platform to let us do it.”**

**– Principal Architect,  
Smart Factory Projects,  
F100 Customer**

## ABOUT US

At Vertex Software, we believe 3D visualization is the premier communication medium for the future of human innovation. We strive every day to accelerate global innovation, discovery, and idea exchange. Our solutions drive customer satisfaction, grow market share, engage suppliers and partners, and energize employees.

Ready to try **Vertex 3D Platform**?  
Visit [vertex3d.com/free-trial](https://vertex3d.com/free-trial) to sign up for a trial

