

TECHVIZ, A UNIQUE TECHNOLOGY

TECHVIZ XL

TechViz is a leader as provider in advanced visualization solutions for 3D applications. We offer a fully immersive experience using a full 3D integrated system and body tracking. Our innovative solutions are ideal to review digital project, improve collaborative work between your teams, and maximize the use of your 3D model.

Compatible with a large range of Virtual Reality applications, the TechViz Solution contributes to promoting business growth, its innovation capacities and productivity. With TechViz, improve your production cycles, cut cost and reduce time to market by having a better understanding of your 3D data.



With TechViz XL, turn your 3D model into a virtual prototype. You will view your product though still under development. You will display large 3D data sets or 3D virtual prototype directly from the native application with a high frame rate, on any type of stereo 3D display. A must have add-on to your application.

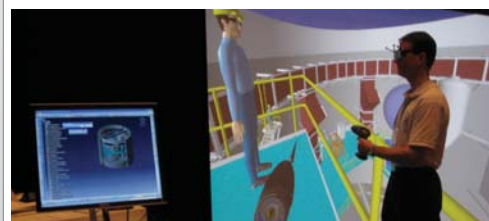
TechViz XL :

- Display your large 3D data or 3D virtual prototype
- Directly from your native application
- With a high frame rate, on any type of stereo 3D display
- Make changes in real time
- Display in 1:1 scale or greater
- Without data conversion
- Interact with your model

More TechViz options available

TechViz Digital Review

Ideal for styling or engineering digital mock-up as allows pre-set views, interactive measurements, clipping, snapshots, annotations, video recording.



TechViz Virtual Assembly

Move parts of the model, see collisions. Ideal for project review, maintenance and training sessions.

Full body and finger tracking for complete ergonomics analysis.



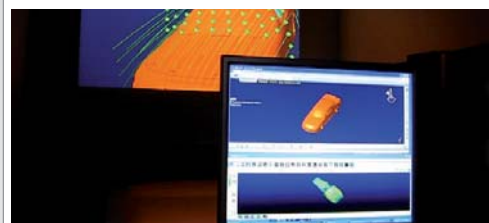
TechViz Collaborative

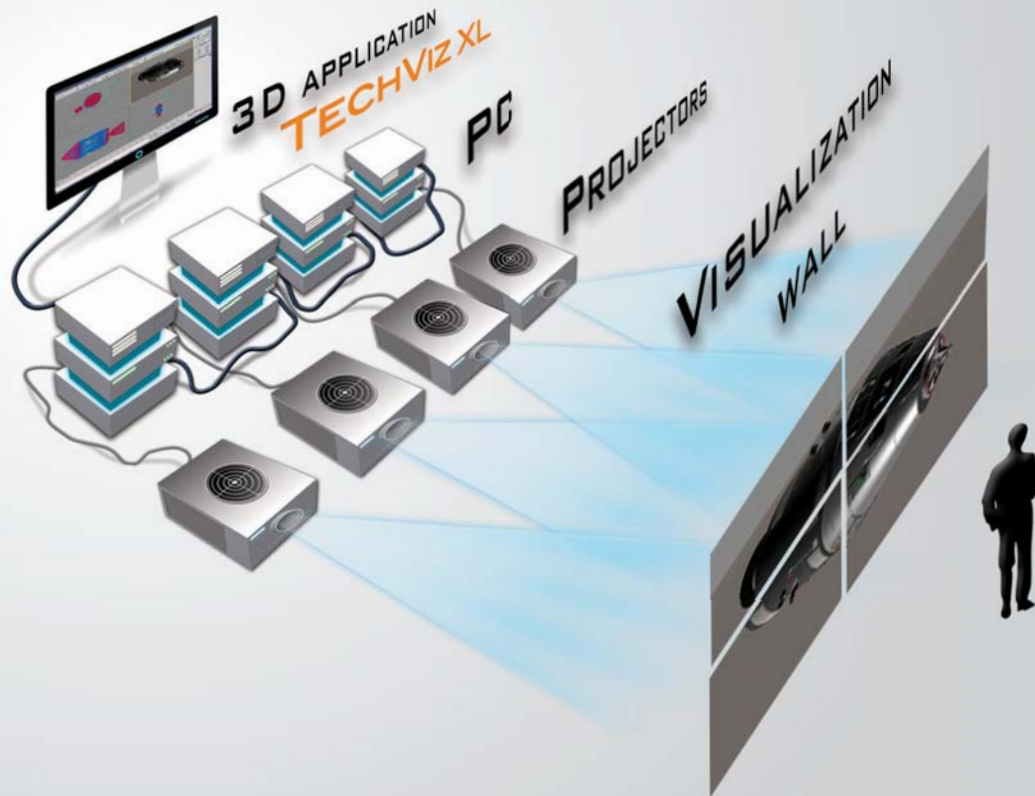
To visualize a common 3D model from separate sites and on heterogeneous stereo display systems. Enables teamwork between departments based in different locations and real time collaboration.



TechViz Fusion

Visualize different 3D sources merged on a single prototype. Make changes in real time in each of the native applications during visualization. Ideal for cross domain review.





THE TECHVIZ TECHNOLOGY

TechViz XL

How does it operate?

TechViz XL acts like a driver to a virtual reality system and is the software with which to display your large 3D data sets or 3D virtual prototype directly from your native application with a high frame rate, on any type of stereo 3D display.

Software compatibility

TechViz XL and its options run on standard workstations under Windows XP, Windows 8, Vista, Seven, Linux, 32 or 64 bits binary compatibility. All existing professional 3D applications are displayed on any VR device.

Display your native 3D dataset without any conversion.

Supports any custom 3D application developed for standard desktop workstations.

Based on common open standards of the PC world and does not require any specific development or training.

Certified with more than 150 industrial applications.

Hardware compatibility

TechViz XL and its options are based on proven industry standards with off-the-shelf PC workstations.

Open GL graphic cards.

Requirements

TechViz XL installation
Source 3D Application
Model Data base
A full 3D display system

Display systems

Display on any screen surface set up (planar, tiled, curved, dome, multi-sided/CAVE, HMD).

Unlimited number of display channels.

Projector overlap, edge blending, image warping correction.

Stereo 3D: passive, active or autostereoscopic type of displays.

Flexible reconfiguration: multiple viewpoint tracking and fixed cameras.

Dynamically reconfigurable systems.

About TechViz

A leading provider of immersive 3D visualization solutions. TechViz products allow users to display 3D virtual prototypes in real time directly from 3D desktop applications in a high resolution 3D virtual environment. We offer a fully immersive experience using a full 3D integrated system and body tracking. Our innovative solutions are ideal to maximize the use of your 3D model.

All TechViz options available

- Digital review
- Video recording
- Virtual Assembly
- Body and finger tracking
- Collaborative
- Fusion
- TVZLib API



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