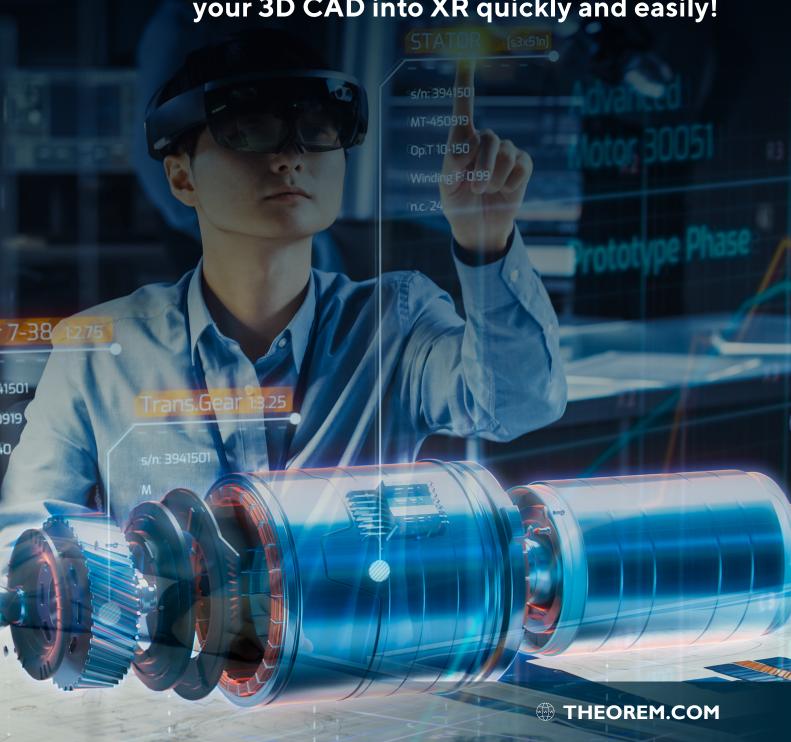


TheoremXR is an enterprise ready, collaborative visualization suite, powered by a Visualization Pipeline, which gets your 3D CAD into XR quickly and easily!





Who should use TheoremXR?

TheoremXR is an invaluable tool for viewing and engaging with 3D CAD data. Whether you're involved in Design Reviews, Factory Layout, Training Guides, or Visual Digital Twin projects, as an individual, or as part of a global team, TheoremXR is designed for you. If you're currently exploring the potential of XR technology, but struggle to get data into devices, Theorem's Visualization Pipeline (TVP); provides a quick and easy solution.

The application is available on desktop, tablet, in virtual reality headsets (such as the HTC Vive or Oculus Rift) or Mixed Reality devices (such as the Microsoft HoloLens).



Why choose TheoremXR?

We have been working with 3D CAD for over 30+ years! We understand your 3D data better than anyone else, because

we partner with all of the main CAD/PLM companies. Whether you want to visualize your 3D assets in AR, MR or VR, we can get your 3D CAD into your device in minutes. That's why so many companies choose Theorem Solutions.

Visualization Pipeline

Visualization Pipeline is a server-based technology processing of all of your CAD, PLM and visualization

data, while maintaining the associated metadata.

Experiences

Theorem's XR suite comprises of a range of use-case based, out of the box experiences. The Visualization Experience is the foundation layer that provides an entry point for the TheoremXR suite of experiences. Additional functionality is available by adding on one, or more, of the other XR Experiences which are focused on these specific use cases.



efficiency with the immersive *Factory Layout Experience*. XR prototyping

flexibility, simplifying the reconfiguration of layouts without disruptions. Import

and reposition library components effortlessly using 'grab and move,'



Visualization

With the *Visualization* yourself in a virtual reality or an immersive contex or project 3D assets in understanding (mixed reality). Experience augmented reality

Design Review

to resolve issues in realtime using powerful XR technologies imultaneously engage in a ingle session across virtual and mixed reality devices. Seamlessly integrate the

Guides **Factory Layout**

Utilize the *Guides* Experience, leveraging
Mixed and Virtual
Reality for interactive, visual assistance. Train operatives in complex build processes using full-scale

Visual Digital Twin

With the *Visual Digital* Twin Experience, overlay digital 3D design data onto physical components using Edge Detection

How?

Manufacturing and engineering companies already carry out tasks relating to factory layouts, design

reviews, work instructions etc. on a daily basis. But using innovative XR technology takes away the need to get everyone in the same room at the same time, or spend time (and money) creating physical prototypes, travelling, or use up valuable physical resources on training people. When a lot of these tasks can now be done 'virtually', the benefits of the reduction in cost, time, and use of resources are easy to see.



SolidWorks

Z X

Creo View XR **Visualization** Azure ARR **Pipeline**

STEP

Unreal

ICEM Ref Manager

Inventor

AFC

AliasIMAYA

FBX/9ITF

Extended Reality is an umbrella term that covers Augmented Reality (AR), Mixed Reality (MR) and Virtual Reality (VR).

Our 3-step approach

Consultative services to assist you in identifying how XR technology can improve your business and consider the options available to you

> Our consultants will help you create the business case to unlock the investment, by working with you to identify the key benefits to your business









Collaboration

Today's products are rarely developed with the luxury of co-located teams. Globally distributed design is practically unavoidable, and this is increasingly placing a challenge

on effective collaboration between design teams.

With the addition of the collaboration module to the Visualization Pipeline, the applications are further enhanced with the goal of bringing globally distributed teams closer together.



Uniquely

Theorem Solutions revolutionizes access to your 3D data, empowering you to share it with anyone, anywhere in the world!

With our unparalleled expertise in CAD to CAD conversion and PLM data exchange, we have developed an innovative approach to enterprise-level workflows. Our robust application grants you complete control over the preparation and optimization of your 3D data for various target formats.

Introducing the Visualization Pipeline, a groundbreaking tool that sets us apart from the competition. Unmatched in its capabilities, this enterprise-ready solution caters to all your Augmented, Mixed, and Virtual Reality requirements. Say goodbye to limitations and embrace a new era of seamless visualization.



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