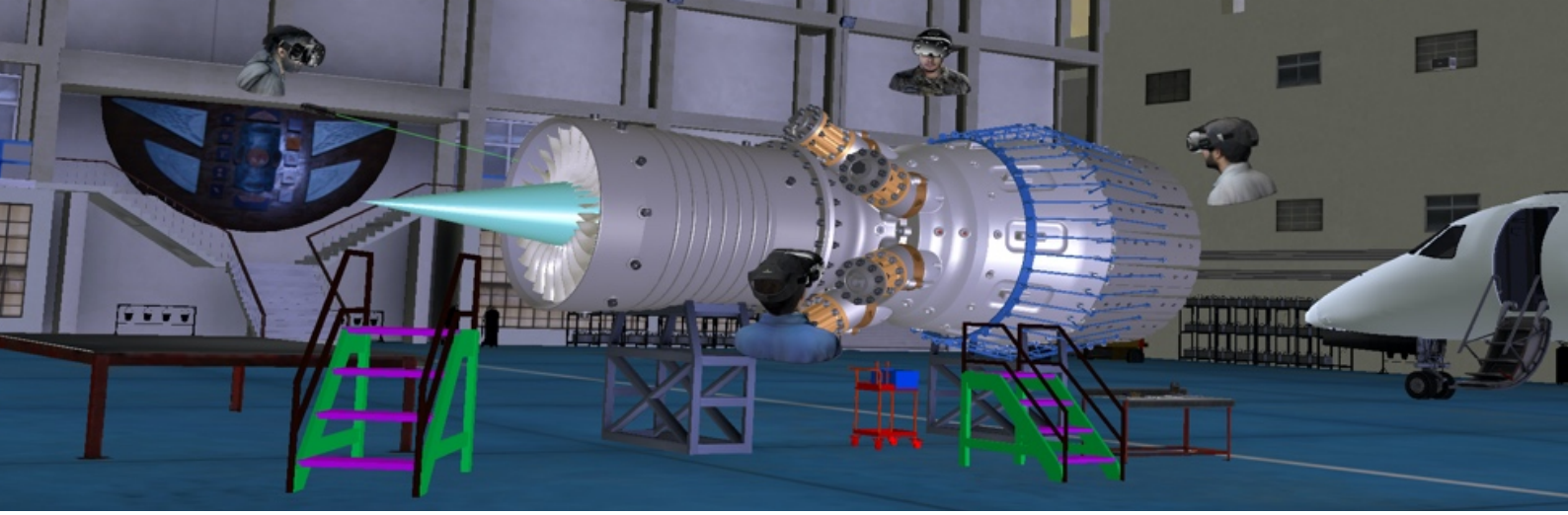


Does your organisation really need an XR solution with SOLIDWORKS?

Of course, you do! Ever felt the pain of having to rely on expensive physical prototypes for 1:1 scale visualisation? Or the struggle with communicating design intent to other stakeholders and perhaps your customers? Or deal with ineffective training for your personnel, on newly released products? Extended Reality (XR) technologies bring the power of immersive visualisation and natural interaction to your SOLIDWORKS 3D CAD data. With these two powerful capabilities, users across industry segments benefit from a wide range of use cases.

Use Cases

COLLABORATE	VALIDATE	SHOWCASE	TRAIN
• Immersive meetings • Design reviews • Communicate design intent	• Virtual prototyping • Servicability • Manufacturability • Ergonomics	• Product presentation • Engage customers • Perceived quality	• Build human actions • Create sequences • Interactive training • Instant feedback

The above use cases are applicable to SOLIDWORKS users in the Industrial Equipment, Aerospace & Defense, AEC, Energy & Utilities, Transportation & Mobility, Marine & Offshore, Hi-Tech verticals.

Are you worried about leveraging value from your XR investment?

Several challenges like handling native SOLIDWORKS data in the virtual environment, ensuring hardware compatibility, long hours spent on data preparation using multiple 3rd party translation tools and the need for custom development and programming using game engines, are typical challenges that prevent you from leveraging value from your XR investment. However, with the right approach to SOLIDWORKS XR, your organisation can benefit from several key value maximizers.

Return on Investment

79% **Faster time to market with virtual prototyping**

91% **Reduction in rework and change requests during engineering**

47% **Savings in travel time and costs through virtual collaboration**

3.5x **Improvement in customer focus with human centric engineering**

XR Works for SOLIDWORKS

Look for the following in your XR evaluation.

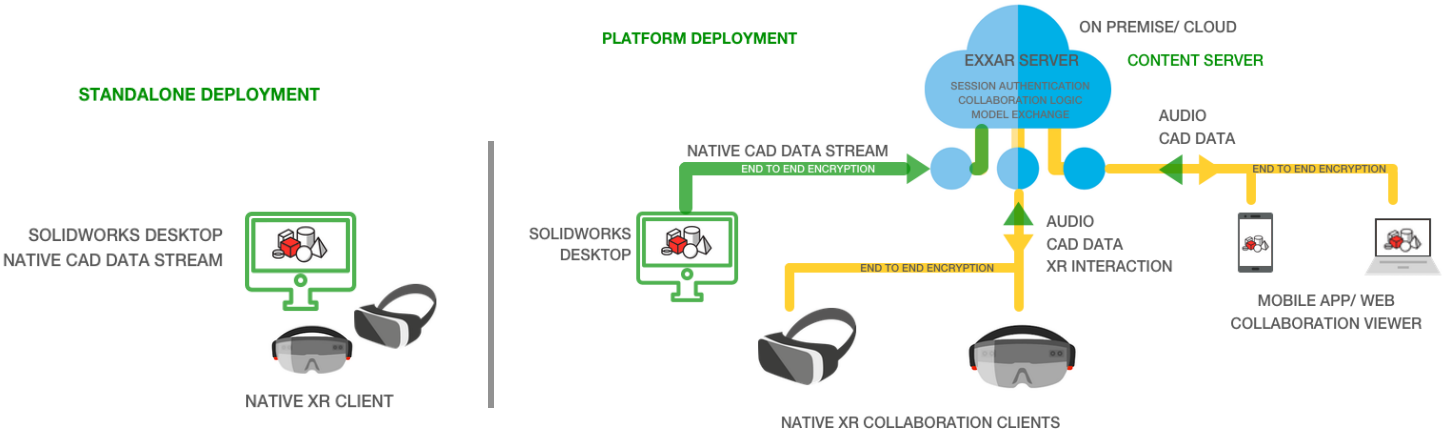
- Easy to use, scalable platform
- No data export/ import challenges
- Cloud based collaboration
- Enterprise grade data security
- Great user experience
- Zero learning curve
- No programming requirements

Exxar Inc,
40171, San Carlos Place,
Fremont, CA 94539, USA

www.exxar.cloud
connect@exxar.cloud

+1-408-206-6532

exxar
Collaborative Extended Reality



Are you struggling to get your SOLIDWORKS data into your XR hardware?

With Exxar, SOLIDWORKS users can instantly stream their data into an immersive workspace, using just about any type of XR hardware. Available as a standalone variant and scalable as an enterprise SAAS platform, Exxar helps reduce time to market, save travel costs and minimize design and project rework using Extended Reality technologies. SOLIDWORKS users can maximize value from their XR investment, by using Exxar across the enterprise, for your collaborative design review meetings, engineering validation and other downstream processes like product marketing and user training.

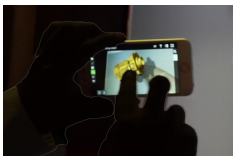
Modules

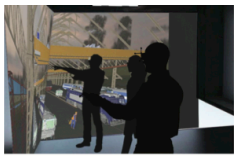
	REVIEW	STREAM	BUILD	HUMAN
FEATURE	• 1:1 visualization • Measure, annotate • Custom backdrops • Best in class UX	• 1 click access to XR • Direct SOLIDWORKS link • Enterprise grade security • Real time change request	• Sync hierarchy • Pick, move parts • Snap, group • Check collision	• Add full body avatar • Stress • Tooling
FUNCTION	• Walkthrough, flythrough • Digital mockup • Share feedback	• Large data handling • Rapid design iterations • Repurpose design data	• Digital assembly • DFA, DFS • Sequencing	• Posture analysis • Human actions • Tactile feedback

** All licenses are available in monthly, annual subscription and Enterprise SAAS options*

Exxar can be deployed on a wide range of hardware configurations. From portable mobile and desktop HMDs to fully immersive CAVE displays, Exxar can be used on standalone devices, for single users and between multiple of these hardware in collaboration, for geographically dispersed teams. Get in touch with our global partner network for your requirement!
With Exxar, XR just works for SOLIDWORKS!

Configuration





MOBILE	HMD	POWER WALL	CAVE
Non-immersive viewer	Fully-immersive, Portable	Semi-immersive, Fixed	Fully-immersive, Fixed
Mobile VR, AR	VR, MR, AR HMD	Single channel 3D stereo projection	Multi-channel 3D stereo projection
Single user Unlimited scalability	Single user Scalable as per CAD seats	Multi-user Cross domain review	Multi-user Multi-application review

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