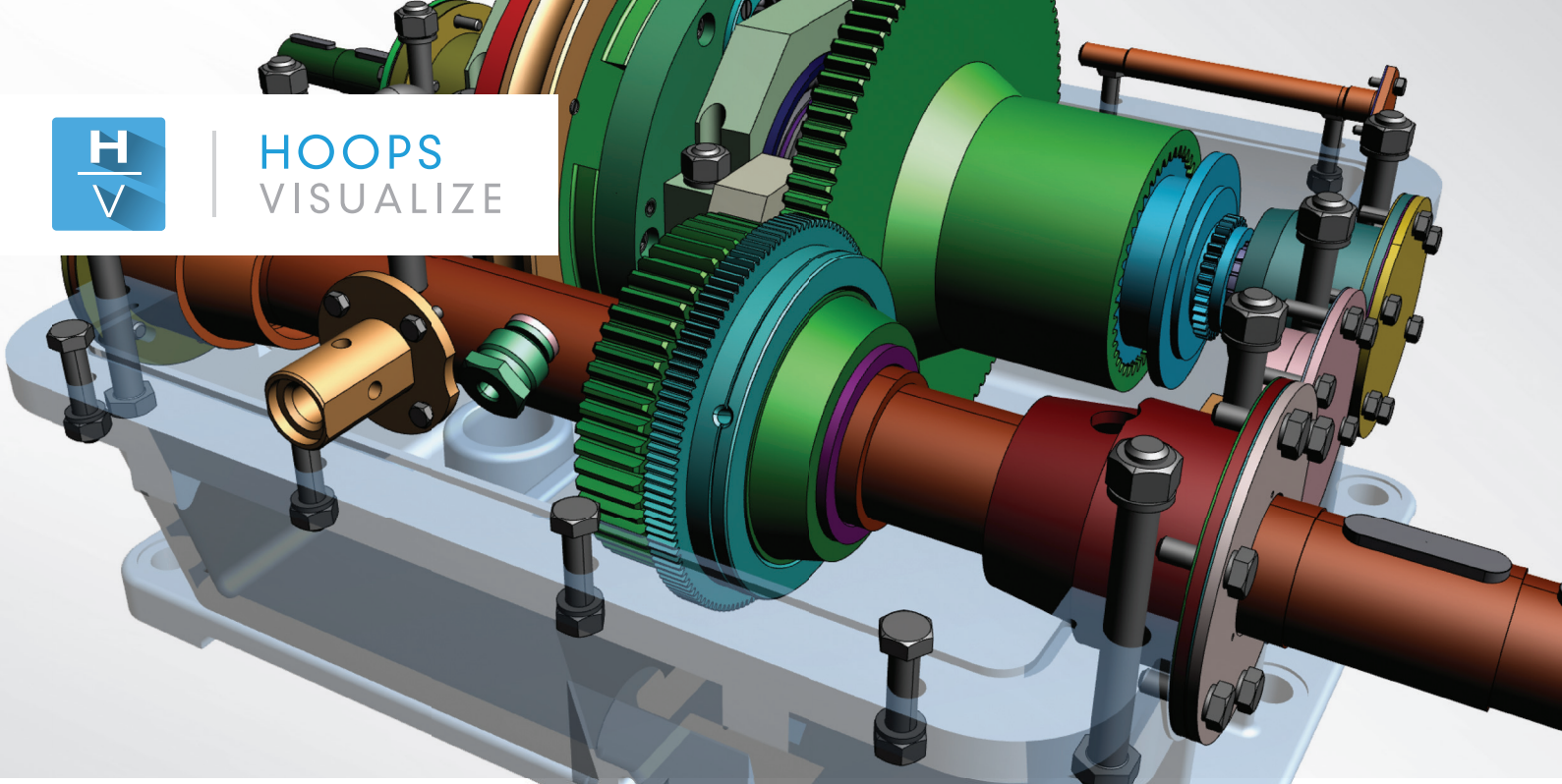




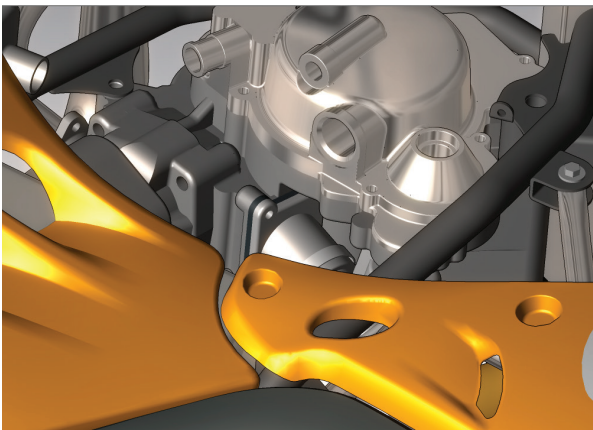
HOOPS
VISUALIZE



Rev Up Your 3D Rendering Engine

When it comes to visualization, users demand more power, performance and stability across platforms, devices and graphics cards. To satisfy the market's ever-escalating expectations, you'll need a powerful 3D visualization SDK backed by responsive and dedicated graphics experts.

With HOOPS Visualize, you can rapidly render stunning graphics across both mobile and desktop platforms. As the workhorse 3D rendering engine in hundreds of successful engineering applications, HOOPS Visualize will give you the technology you need, supported by a team you can trust.



Stunning Graphics

Make your application stand out from the competition. Tech Soft 3D works tirelessly to keep our graphics technology best-in-class for the hundreds of applications that rely on it.

- Develop with a unified and modern API that makes it easy to add high performance, interactive 3D visualization to both desktop and mobile applications.
- Provide your users with the best possible rendering and selection performance by accessing the latest 3D GPU capabilities.
- Leverage the industry's leading visualization toolkit, which powers advanced graphics in hundreds of engineering applications around the globe.

SIEMENS

 TECH SOFT 3D

Powering applications from:

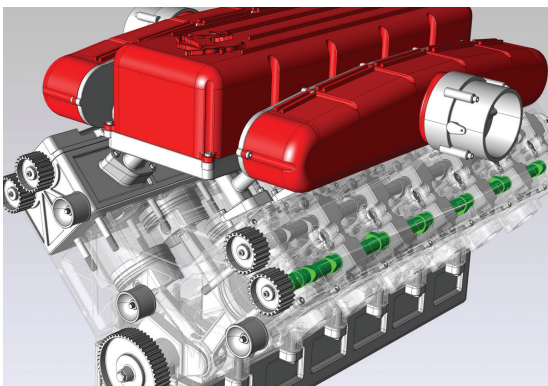




HOOPS Visualize provides a flexible, hierarchical scene management engine capable of handling a range of graphics entities, together with a sophisticated graphics pipeline and high-performance graphics and interaction handling algorithms. It includes clash detection, multi-plane sectioning, large model visualization and much more.

HOOPS Visualize Features

- Graphics engine for desktop, mobile and AR/VR applications
- Optimized on-screen viewing, manipulation and interaction
- Large model handling for real-time viewing of large datasets
- Advanced GPU effects: real-time shadows, reflection planes, silhouette edges, optimized transparency and multi-layer texturing
- Fast clash detection with soft and hard clashes
- Advanced multi-plane sectioning with endcaps
- High quality TrueType and 3D text support
- High quality WYSIWYG hardcopy output (PDF, PostScript, GDI)
- Optimized shader-based rendering for OpenGL, OpenGL ES and DirectX
- Multi-platform support: Windows, Linux, MacOS, iOS and Android
- Wide UI support: MFC, WPF, Qt, iOS Cocoa, Xamarin and Android SDK
- Language support: C, C++, C# and Objective-C
- Multi-threaded and thread safe code



HOOPS Visualize is integrated with a wide range of SDKs, making it easy to add 3D CAD data access, modeling and 3D PDF publishing to your applications.

SDK	Description
HOOPS Exchange	Direct access to the 30+ major CAD formats including visualization, PMI, B-Rep and product structure
HOOPS Publish	Enable your application to publish 3D data as native 3D PDF, HTML and standard CAD formats
Parasolid	Industry leading 3D geometric modeling kernel used in hundreds of engineering applications worldwide
Polygonica	Mesh modeling engine specializing in fast model healing, simplification and Booleans

