

VISUALISATION FOR INDUSTRY 4.0



VISIONARY RENDER

Your Integrated Decision-Making Platform for Industry 4.0

VISIONARY RENDER is a cloud-based enterprise platform that enables virtual digital twins. It allows you to create dynamic, interactive virtual environments and simulations from your data. These can then be deployed on a wide variety of devices and distributed to users in your office or in the field, locally or globally. It is a collaborative tool which enables true 3D experimentation throughout your entire product lifecycle and across your enterprise.

SMART, INTEGRATED DECISION-MAKING PROCESS through:

- Accelerated collaborative reviews
- Continuous agile development
- Early error detection
- Rapid time to solution

“Visionary Render can create 3D worlds from just about any CAD format, meaning we can work with our supply chain. We have been able to introduce engineers, but also operatives and customers. The result has been a different way of working. The development process has been quicker, our designs have been more creative, use fewer parts and they have cost less.”

Dan Gale

Raytheon's Immersive Design Center Lead

VALUE

VISIONARY RENDER is changing the way organisations communicate. It breaks down professional barriers, allowing people from different disciplines to experience the same model and enabling company-wide collaboration using a single platform. Our customers regularly report 100% payback on just a single project.

The **VISIONARY RENDER** platform helps organisations speed up decision-making. This adds benefits throughout the design lifecycle by reducing physical models, avoiding errors and minimising risk. At the same time, organisations can connect in real-time to their physical assets by leveraging the 'Cloud' and the 'Internet of Things'.

“We see our VR systems being linked with other VR Centres worldwide to allow us to carry out international design, manufacturing design and assembly reviews, as well as complex training exercises. There has been an overwhelming consensus that our Virtalis visualisation systems are valuable 21st century engineering tools.”

Rab Scott

Head of VR and Simulation at Nuclear AMRC

WHY VISIONARY RENDER? SMART, FLEXIBLE, POWERFUL

VISIONARY RENDER is an enterprise deployment platform designed 'by engineers, for engineers'. Real-time models can be built quickly and easily before being used to explore and verify the most complex innovative engineering solutions. This enables more agile engineering, reducing organisational complexity and departmental trade-offs, for smart decision-making.



DATA INTEGRITY AND FORMAT FLEXIBILITY

Integrity of data is key to your success. Visionary Render is designed to maintain the highly organised and tree-like structure of your data while providing access to significant additional functionality. It excels with both structured and unstructured data formats. Structured data is highly organised and clearly defined, such as a CAD model. Thanks to this framework, the data is easy to search through. Unstructured data is less clearly defined and so more difficult to process and understand. This could be any additional information that is required to deliver, operate or monitor a project. For example, point clouds or scans, satellite imagery or text files. Such advanced capability allows users to connect engineering quality CAD to real-time data so that you can test designs, keep track of manufacturing processes or continuously monitor live products in the field, whatever your data set.

PERFORMANCE AND EASE OF USE

Visionary Render's unparalleled performance allows users to simultaneously view multiple sources of information and larger models through a single portal and in a fully immersive environment. It also enables the rapid integration, sorting and searching of different 'layers' of information through an immersive 3D visualisation experience.

Our gallery-based workflow allows 'drag and drop' modelling for faster creation of convincing environments, helping to increase acceptance of the virtual experience and enhancing enterprise-wide collaboration.

COLLABORATIVE AND SHAREABLE

This common visual platform runs across all departments promoting a single common 'language' which assists in improving communication and speeding up comprehension of complex technical problems.

Collaboration is enabled through native support for fully immersive environments, application to application, or the ability to stream real-time VR around the globe over the internet. Furthermore, Virtalis has introduced new licencing methods and VR as a Service (VRaaS) to allow more flexibility across your enterprise, whether in the office or in the field.

Contact us for more information about how VISIONARY RENDER can revolutionise your operation.

www.visionaryrender.com

www.virtalis.com

