

**EXCITE,  
EXPERIENCE,  
EDUCATE...**

# VR FOR TRAINING...

## Virtual Reality Boosts Training Value

Virtalis can help you develop an innovative way to train students, users and maintainers. Using Virtual Reality (VR) or Stereoscopic 3D in a wholly immersive and interactive environment is a proven way to enhance learning, mitigate risk and boost the value from training spend.

We create truly multi-sensory learning environments, thanks to the use of stereo 3D, tracking, sound, virtual touch (haptics) and augmented reality (AR). All our users in many diverse sectors share a firm conviction that VR helps users communicate and assimilate information more easily through life-like experience.

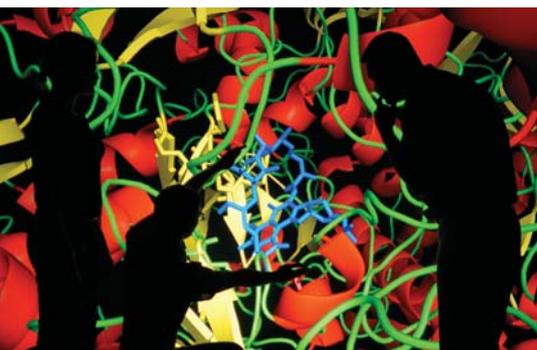


“ Our trainees can see the whole picture for the first time. They will be able to virtually strip down, put back together and operate our equipment in a completely safe environment. Although we are beginning with training, it has become apparent to us that VR could so easily perform a major role in our product lifecycle management. ”

John Tyler, National Grid's Transmission Technical Training Manager.

## VR Brings Training to Life

The days of slides and overhead projectors are thankfully behind us. Many of our clients have enhanced understanding and learning by adapting their lectures and training sessions to include 3D and VR. Complex topics like biochemistry lectures, radiotherapy training, military simulations and bovine rectal palpation have been transformed by us to be more effective, accessible and fun.



### KEY BENEFITS

- Improves communication
- Real-time, interactive fly-through of virtual models enhances understanding
- Interact between departments and other sites
- Re-use CAD design data
- Enhances your brand and gives a competitive edge
- Attract students and trainees to your innovative and creative organisation

# SOLUTIONS FOR... TRAINING AND TEACHING



“With VR, we’ve been able to move from a PowerPoint presentation to a hands-on 3D model. We can even show it at 1:1 scale, to teach students how it works without having to climb to the top of a utility pole. The technology is familiar to many of our students, as they grew up with virtual world computer games.”

Patrick Hallihan, Senior Training and Engineering Instructor at National Grid.

## Stereoscopic Images to Blow Their Socks Off

The Royal Navy uses our VR for gunnery training and the RAF uses our Helicopter Crew Reality (HCR) trainer, seen worldwide as the blue riband of crew training.

In engineering, the diversity and complexity of National Grid’s equipment made it impossible for trainees to experience every variant. Now they are able to simulate and encounter all potential faults and kit in interactive 3D.

As well as eliminating risks to students and equipment, Virtualis systems add a “wow factor” that enthuses users. Starting with just about any data, including major and niche CAD companies and other information sources, our developers have created software bridges that act as high speed translators to maintain the fidelity of your existing data, but render it smoothly in 3D.



“Our students are able to operate in a virtual environment just the way they would in a real helicopter. The realism of Virtualis’ HCR is such that by the time they fly training missions, they are already much more advanced than they used to be, so are able to develop more quickly during their time in the air. There is no doubt it has saved flying hours while enhancing training quality, thereby reducing costs.”

Group Captain Jock Brown, Commandant of The Defence Helicopter Flying School.

## The ActiveWorks Portfolio

Virtualis’ ActiveWorks visualisation and immersive display systems are flexible and scalable and can be configured to meet your needs, based on what you want to visualise, the space available and the numbers of users involved.

Our reputation is based on our numerous reference sites worldwide. Whether it is a desktop solution using a 3D monitor, a transportable ActiveMove visualisation system, or a fully immersive, PC-clustered, multi-channel stereoscopic 3D ActiveWall or ActiveCube display system, Virtualis has successfully designed, installed and supported them all.



“People are rather blasé when I introduce the system, but I wait for the inevitable gasps that follow as they see its power.”

Dr. James Hinton, Centre for Protein Function & Structure within the Department of Chemistry & Biochemistry at the University of Arkansas.