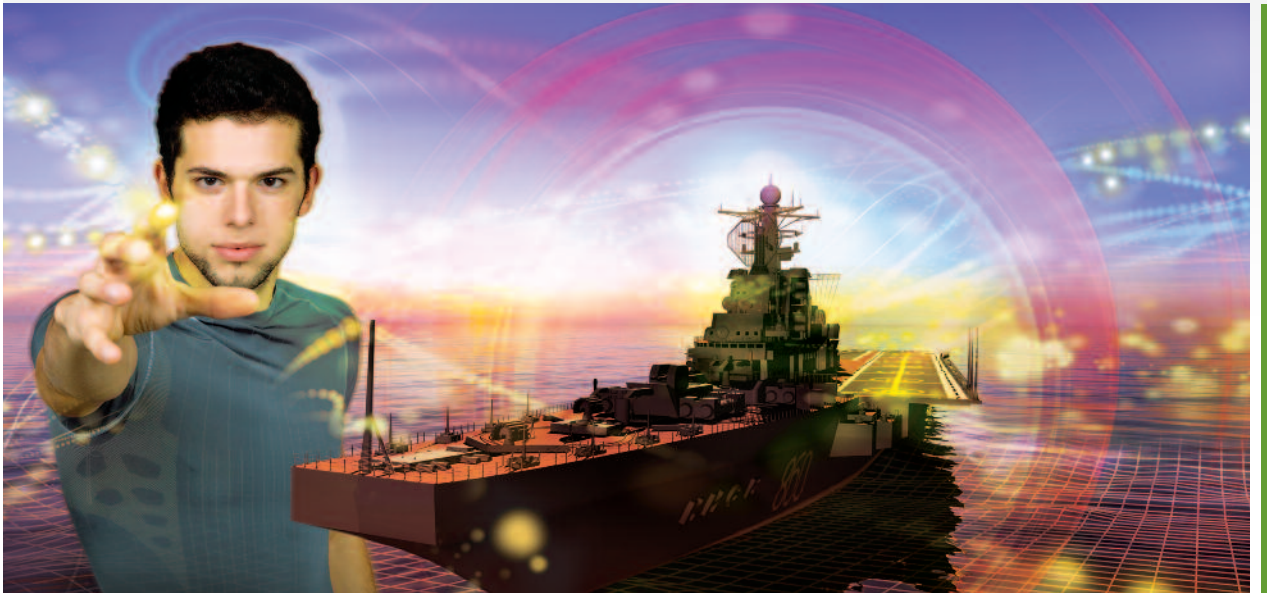


## COMBINE, CONFIRM, COLLABORATE BRING ALL YOUR DATA INTO ONE ENVIRONMENT

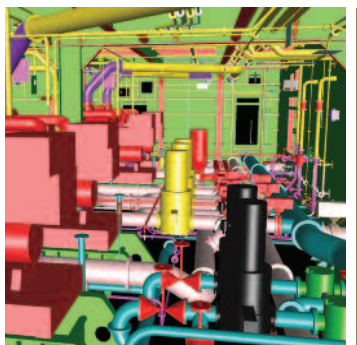
### Experience Real-Time 3D VR

**Virtalis Exchange** achieves seamless translation of a wide variety of CAD and other source data to enable real-time 3D visualisation and interactive Virtual Reality (VR) in a shared environment. **Virtalis Exchange** maintains the naming conventions, structure, materials, meta data and therefore the integrity of the data, allowing both speedy and efficient transformation into VR models ready for collaborative design reviews and risk-free training exercises.



### Maximise the use of your CAD

Virtalis' unrivalled experience across the systems and software aspects of the VR market gives us a 'total system' understanding unique within the industry. No other company has created an integrated CAD to VR converter like the transformational **Virtalis Exchange** toolkit. The complexity of what it achieves is hidden from the user, leaving just the sparkling, fully tracked VR for users to experience. Given our close working relationship with the major mainstream and niche market CAD companies, the **Virtalis Exchange** adapter portfolio is broad and it all feeds into PTC's DIVISION MockUp (and CreoView) and Virtalis' **Visionary Render** our visualisation and VR interface. Our world-renowned software development team are capable of developing new links to even more data sources...



#### VIRTUALIS EXCHANGE ACCEPTS DATA FROM:

- 3DS Max
- Foran
- Tribon
- PDMS
- JT
- 3DXML
- Collada

# SOLUTIONS FOR ENGINEERS & TRAINERS...

## FROM CAD TO IMMERSIVE VR...

**Virtalis Exchange** maximises the flow of CAD data throughout your organisation and that of your supply chain like never before. Typically, an entire CAD model of a ship can be ready to view immersively in under 30 minutes. This means new models can be shared with design teams internationally ready for a stereo 3D, tracked, multi-user meeting just minutes after major changes have been implemented in the CAD model.

To give ultimate flexibility to the user, **Virtalis Exchange** adapters are available in two parts, the Object Adapter and the Metadata module. The object adapter provides the geometry, whilst the metadata module gives access to the additional data contained within the files.

## SHIPBUILDING AND PLANT

**Virtalis Exchange** serves the shipbuilding sector's software leaders of Sener Foran and Aveva Tribon and has developed to encompass Aveva's PDMS, a stalwart of plant data creation. These industries are hungry for 3D visualisation and VR and **Virtalis Exchange** provides the solution.

**"Shipbuilding is big business... However, we identified that moving data between the native CAD packages and into VR was no simple matter. Everyone seemed to have the same headache. Thankfully, we discussed this with Virtalis and they have created the ultimate solution to this previously intractable problem".**

**Jacky Zheng, RBD China.**

**"We have long dreamt of a system that would preserve our geometry, material files and animations without the need for any intermediate steps. Virtalis MaxExchange will form a significant part of a general movement to make 3D easier for everyone. We are using Virtalis MaxExchange as the link between 3ds Max and VR. We are able to bring everything together in one format, simply and quickly. This means we can use the same VR environment for assembly, factory layout and simulation".**

**Dr. Rab Scott, head of Virtual Reality and Simulation at the AMRC.**

## ENGINEERS, DESIGNERS AND PLANNERS

Virtalis' 3ds **MaxExchange** adapter plug-in is the perfect way to bring the richness of the complex and beautifully designed environments into an immersive tracked virtual world, a facility not afforded by professional CAD packages. By placing engineering content in the context of an accurately built and rendered environment, designers and planners make more informed decisions and create better designs.

The **Virtalis Exchange** adapters are currently in use by major companies worldwide, such as BAE, Da Lian Shipyard, (China), Alstom, the Advanced Manufacturing Research Centre and one of the world's largest supermarket chains.

