

CONTROLLAB

Controllab is an engineering company with many years of experience in the marine and offshore industry. We have developed unique tools and methods for model based design. We use these to build affordable VR product demos which are based on physics and can be steered by the user with joysticks, touch controllers or other devices. Our demos are very realistic and exciting! If you want to know more, please contact us.



VR PRODUCT DEMOS

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NEXT GENERATION OF PRESENTING

How can you demonstrate complex ideas and products and make your audience enthusiastic in minutes? With VR from Controllab: the next generation of presenting! We create VR product demos based on simulation models with accurate physics, command and control, and real-time interaction with the user. Some examples are container unloading robots, 3D motion compensated cranes or ship-to-ship interaction. These VR demos will bring your ideas and products to life, make them self explaining and credible.

VR APP

Our VR product demos are delivered as a software app that runs on a Windows PC or laptop with VR capability. Headsets from Oculus and HTC are supported and can be connected to the PC or laptop to experience the demo in VR. With touch controllers, joysticks or other devices, the user can interact with the demo.

INTERACTIVE

A VR demo can be started by opening the app. The PC or laptop screen will show the demo in 3D with an interactive menu. An operator can use this menu to control the demo, change the weather, change the time of day, make screen recordings etc. The user will put on the VR headset and gets the controllers from the operator. With the controllers, the user can steer the machine or system that is shown in the demo, walk through the scenery and perform all kinds of actions.

PRODUCTS TO LIFE

Our demos bring your products and ideas to life. With the VR headset your audience will get a real sense of space. By using detailed graphics, user interaction and 3D spatial sound, they are immersed into a new world, making your product or idea very credible.

CONTACT US

Our VR product demos have successfully been used at meetings, trade fairs and events. They help sales engineers to convince customers, design engineers to showcase their ideas and have helped many more to tell a compelling story. Contact us to find out how VR could work for you!

MODULES

VR product demos can be developed using standard elements or tailor-made elements to meet all your special needs.

BASIC

- Default scenery (sea, land)
- Default audio
- Static sky
- First-person operation

ENVIRONMENT

- Sea states (calm, rough, ...)
- Weather conditions (sunny, snow, ...)
- Real-time skybox (sun, moon, day, night, ...)
- 3D spatial sound

REAL-TIME DATA

- Sensor values
- Charts
- Infographics
- External data input

ADVANCED

- Character animation
- Free camera
- Screenshot & video capture
- Collision detection
- Hot loading (use your own input)

