K-Sim® Navigation
VR Bridge Wing

A Seamless Integration

Experience the Virtual Reality (VR) Bridge Wing solution, seamlessly integrated into all K-Sim Navigation and Offshore bridges (Class A and B). With minimal installation and hardware requirements, this system ensures a smooth and effective learning experience for students. Particularly during proximity operations such as berthing and unberthing, the Bridge Wings of the vessel come into play.

The VR Bridge Wing headset is thoughtfully designed to be tethered, providing a reliable and immersive experience within a defined position on the bridge. Complemented by strategically placed base stations, the system ensures comprehensive coverage of the bridge area. This guarantees real-time updates of head and body movements, delivering an unparalleled level of realism.

Kongsberg Maritime Simulation

We provide advanced simulation systems for maritime education, training and studies.

Our K-Sim simulators range from full-scale bridge simulators with realistic features to cloud-based training enabling engaging exercises anytime and anywhere.

Through our training solutions students and crew will have efficient and realistic training that builds vital skills and promote safety, cost-efficiency and sustainability in operations at sea.

Training Objectives and Specifications

Training Objectives

The K-Sim VR Bridge Wing empowers students with the freedom to observe a panoramic 360° view, with limitations only imposed by the model's structure. From the Bridge Wing, the typical downward view constraints disappear. Students can meticulously analyze intricate details on the quay and gain insights during tug operations.

One of the system's highlights is its ability to enable students to assess and report distances and parallelism to the pier. This information is crucial for those operating the propulsor, guiding them to take precise actions. In mooring operations, students can effectively communicate when lines are securely fastened to shoreline bollards.

Unlock a new dimension of maritime training and elevate your training outcomes with this innovative solution that combines cutting-edge technology with practical learning for future maritime professionals.

VR Bridge Wing features & details

- Panoramic view from the wing poistion only limited by the model structure
- Reporting distance and parallellism to the pier
- Observe and support tug operations

HTC Vive Pro 2 - Specifications

Display LCD	Double RGB Low persistence
Standard resolution	4896 × 2448 at 120Hz
Resolution each eye	2448 × 2448
Field of View (FOV)	120°
System OS	Windows 10
Head strap	Yes
Integrated speakers	Removed

Base Station 2.0

Number required	2 to 4
Tracking area	5×5 meters (2)
	10 × 10 meters (4) nominal
Tracking FOV	160° Horizontal, 115° Vertical

Note:
Specifications are subject to change without any further notice.