VIRTUAL BOAT SIMULATOR

Redefine Sailor Skills in Boat Handling
LEADING-EDGE VIRTUAL BOAT SIMULATOR

In pursuit of a safe, controlled and immersive environment for high-speed craft training, the Virtual Boat Simulator offers users immersive real-world scenarios using VR technology. It enables users to conduct high-speed operations in inclement weather while honing their navigational skills in challenging operational conditions. The system is configurable to different crafts so crew can perform various high-speed tactical maneuvers and intercepts to improve their boat handling skills.

KEY FEATURES

**Immersive Experience**

Pairing the latest VR technologies with a motion system, the Virtual Boat Simulator provides a whole new level of immersive experience for boat simulation. The VR headset offers a 360 degree view for the trainee while the motion system simulates the movement of the boat.

**High-fidelity Visuals**

Accurate and realistic modelling allows creation of any terrain virtually. Trainees will be able to familiarise themselves with actual areas of operation.

Terrain Customisation - Singapore River in past and present

Simulation of various sea-states
Customisable Ship Models

Our ship models can be built and customised for various platforms:

- Commercial Ship
- Coastal Defence Vessel
- Recreational Craft

Flexible Hardware Configuration

We offer various hardware configurations to suit different training objectives and budgets.

- 360 VR display / 120 or 180 degrees screen display
- VR control panel / Hardware control panel
- 3 or 6 Degrees Of Freedom (DOF) motion system

Networked Capability offers team-based training experience

Tactical and response boat teams require specialised training, whether it’s executing a planned response to suspicious coastal activity or intrusions. Exceptional navigational abilities and close team coordination are also key factors for successful search and rescue operations. In addition to training individuals on boat handling skills, multiple boat simulators can be integrated so that teams can rehearse tactics in the same virtual environment.

Training & Simulation Applications

- High speed craft manoeuvring
- Rule-of-Road (ROR) training
- Ship formation training
- Weapon handling