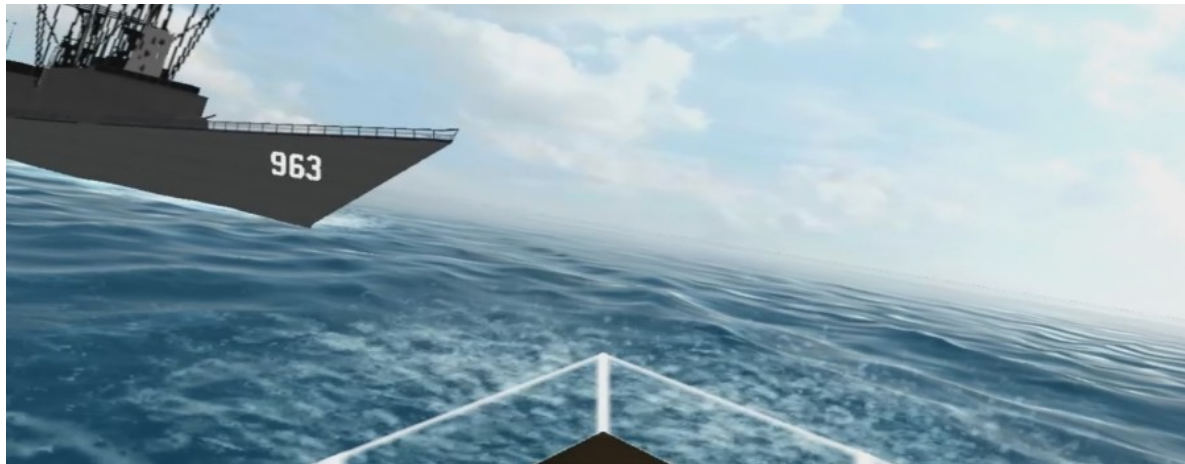


Triton integration for Maritime Simulation : AEROPVS025

The **vsTASKER** integration for Triton allows users to combine constructive maritime scenarios with high-fidelity 3D rendering. By producing native OpenSceneGraph (OSG) code, vsTASKER easily connects with Triton's marine rendering engines to provide realistic ocean and weather effects (like whitecaps and dynamic waves) in deployed 3D viewers.

vsTASKER's synthetic environment generation—which controls vessel routing, platform interactions, and tactical engagements—communicates with Triton to create immersive visual training scenarios. This pipeline allows a user to run automated maritime simulations (such as naval wargames or traffic management) while simultaneously rendering the ocean environments in real-time. []

Would you like to know more about the specific **APIs/protocols** used, or are you looking for details on configuring **vsVIEWER** for your scenarios?



Triton integration for Maritime Simulation

by VirtualSim

Triton ocean library from Sundog Software is available for OpenSceneGraph. As vsTASKER produces native code for OSG, combining the two was good enough for a simple battleship game built under vsTASKER and deployed on vsVIEWER (the Qt free player of vsTASKER simulation engine). Triton library can be bought [here](#).

All logic is handled by vsTASKER. Ship dynamics are embedded components. Gun is controlled by the user with a joystick.

This simple game was built from scratch in couple of hours. Once generated and embedded into vsVIEWER, the game is

free to be deployed (it only requires Triton license; vsTASKER Sim Engine and OSG are free to use).

With OSG + Triton + vsTASKER, maritime simulation can be achieve in minimum time and budget and provides a low cost ready-to-deploy turnkey solution or trainer.

In this demo:

- vsVIEWER Qt free player
- OpenSceneGraph environment
- Triton Ocean SDK

OS & HARDWARE SUPPORT	INDUSTRY APPLICATION

Note: ** Specifications are copied from manufacturer data. Please contact before buying.