

NAUTIS - MARITIME SIMULATION SOLUTION BY VSTEP

www.vstepsimulation.com

VSTEP's NAUTIS Simulators are DNV certified simulator solutions in compliance with the latest IMO requirements. With a full range of simulators, from desktop trainer to full mission bridge, NAUTIS simulators fulfil the training requirements of watch officers, captains, chief officers, pilots, DP operators, nautical colleges, naval academies, maritime training centres and individual ship owners worldwide.

NAUTIS simulators have been designed on the following principles:

- Efficient** - Train large numbers of trainees simultaneously;
- Affordable** - Accessible for any size of budget;
- Flexible** - Easily adaptable to specific training needs;
- Quality** - Highest level of graphical detail and realism;
- Compatible** - Standard interface to connect to external equipment;
- Ease of use** - User-friendly set of instructor tools.



NAUTIS NAVAL TRAINING SIMULATORS

The NAUTIS Naval Training Simulator is specifically designed to meet the navigation and seamanship training requirements of navies and coast guards. It is suited for ship handling, navigation and tactical communications (radio, signal flags, and flashing light) training. It can also be used to rehearse seamanship operations unique to the naval environment such as replenishment at sea, formation steaming, amphibious landings, helo flight deck operations, and plane guard/life guard station manoeuvring and emergency response.

TRAINING APPLICATIONS

Navigation and Seamanship:

- Navigation Planning and Execution
- Ship Handling and Manoeuvring
- Collision Avoidance Regulations
- Tug and Pier Work
- Bridge Team Management

Emergency Response:

- Search and Rescue (SAR)
- Man Over Board (MOB)

Naval/Coastguard Applications:

- Tactical Communication with Radio, Flags & Morse Lights
- Anti-Piracy Training
- Special Evolutions (RAS, Flight Ops, DIVTACs, Amphib Ops, etc.)





NAUTIS Desktop Simulator



NAUTIS Full Mission Bridge Simulator

NAUTIS INSTRUCTOR STATION

The Instructor Station allows the instructor to follow the trainee's decisions and actions in detail during each simulator training session and includes after action review and assessment. The NAUTIS Instructor Station provides instructors a set of tools enabling them full control of scenarios, vessels, environments and exercises. It contains e.g.:

- The NAUTIS Exercise Manager, which is used to both create and control exercises, introduce faults and failures to equipment and sensors and perform replays of recorded exercises.
- The Ship Dynamics Editor, which has subparts for modifying the ship hydrodynamics characteristics, the placement of navigation and morse lights, mooring points, navigation and ship control instruments, flag lines, and the lay-out of the conning screen.
- The Chart Data Editor, to add and change buoy locations and characteristics on the charts of the simulation environments.
- The Ocean Editor to modify the ocean wave characteristics.



"A realistic maritime simulation that enables naval students to easily apply theoretical navigation and seamanship concepts."

Capt. Mark S. Woolley, U.S. Navy (Ret), former Professor of Naval Science & Commanding Officer NROTC San Diego

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Naval Training Simulator - Client Specific Setup

**"VESSEL-SPECIFIC BRIDGE
SIMULATOR CONFIGURATIONS
ARE POSSIBLE"**