



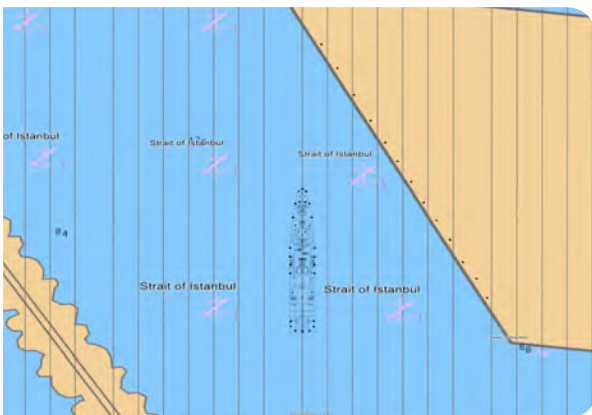
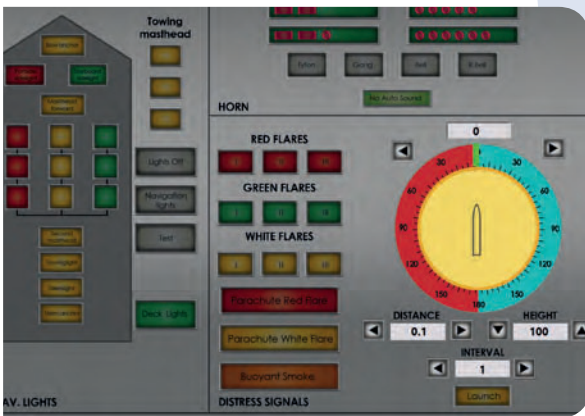
MARITIME/NAVAL SIMULATOR AND SIMULATION SOLUTIONS

Compliance with the requirements of

- STCW 2010 (International Convention of Training, Certification and Watch Keeping for Seafarers)
- SOLAS Conventions
- IMO Model Courses



MARITIME/NAVAL SIMULATOR AND SIMULATION SOLUTIONS



- Bridge Simulator
- Engine Room Simulator
- Combat Center Simulator*
- Damage Control Simulator
- Fire Control Simulator **
- ECDIS Simulator
- Radar/Arpa Simulator
- Integrated Full Ship Simulators for Maritime and Naval* Resource Management for bridge, engine, combat center and weapon control officers (Bridge + Engine / Bridge + Engine + Combat Center + Weapon /Firearm)
- Distributed and Integrated Multi-Ship Simulation Centers
- High-Speed Boat Simulators with/without motion platform
- High-Speed Boat/Coast Guard Platform Simulators integrated with its weapon and firearm simulators
- Simulator and Tactical/Operational Simulation Integration***
- VTS Simulator

* Maritime/Naval Simulation Solutions covers integrated full bridge simulator (with ECDIS, Radar/Arpa, GMDSS, chart tables.), engine room simulator, combat and weapon simulators with respect to Naval Training Center requirements. All the customized simulators may be multiplied for distributed tactical and operational exercises within the range from desktop size to full mission sizes supported with real console duplicates. In addition, enhanced displays (multiple LCDs/Projectors up to 360 degrees of coverage) and motion platforms are supported.

** Fire Control Simulator is developed for each platform that is utilized by local authority, port management, governments, or naval and coast guards in maritime casualties in port, inshore, and offshore. It is customized with respect to the type of platform, its damage control and firefighting equipment and hardware on board and supports unlimited scenarios.

*** Tactical/Operational simulations are customized with respect to training center requirements and integrated with all type of simulators.

Support for The Needs of Training Centers

- Customized with respect to the training goals of Maritime/Naval Training Center
- Ranges from desktop size to full mission size
- High Fidelity Simulators with Real Ship Instrumentation and Controls/Touch Screens
- Integration of Bridge-Engine, Bridge-Combat Control Center, Bridge-Weapon Control Center, Bridge-Bridge Simulators on site/ remote site
- Integration with the Tactical/Operational Simulations
- Enhanced with the cutting-edge technologies of VR, AR, LMS, VMT, serious games

Performance Evaluation, Recording & Debriefing

- Dynamic Criteria Definition
- Scenarios and Simulations Recording
- Replaying Simulation with Different Camera Positions
- Reports with Detailed Criteria and Options

Advance Visualization

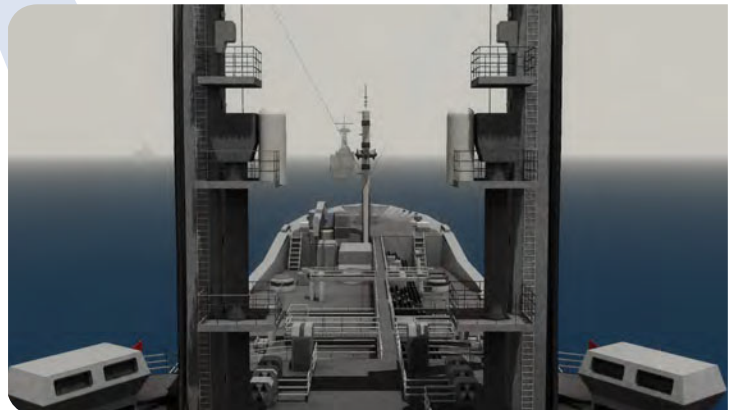
- High Resolution and Realistic Sea View
- Multi-Channel and Parallel Visualization
- Advanced Shading and Dynamic Shadowing
- Special Effects (Waves, Horizon, Surface Reflection, etc.)
- Realistic Visualization at Day, Dusk and Night
- Weather Effects (Snow, Hail, Rain, Fog, etc.)
- Environmental Effects (Sun, Moon, Clouds, Stars, etc.)

Enhanced with Cutting- Edge Education Technologies

- Virtual Reality (VR)
- Augmented Reality (AR)
- Learning Management System (LMS)
- Computer Based Training (CBT)
- Virtual Maintenance Training (VMT)
- Serious Games
- Tactical/Operational Simulations

Scenario Management & Production Tool

- GIS Based Scenario Control
- Operation Planning
- Search & Rescue, Dynamic Positioning, Off Shore Operations, etc.
- Configuration of Parameters Specifying Ship Characteristics
- Advanced Artificially Intelligent Scenario Generation
- Autonomous Object Controls





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