IMAGE SOFT

IS ECDIS Training Simulator

A sophisticated and easy to use environment for DNV certified maritime training.



- *intuitive and easy to use*
- *highly realistic and customizable*
- *for classroom and self-study training*



Valimotie 13A
FI-00380 HELSINKI, FINLAND

E-mail: info@imagesoft.fi
www.imagesoft.fi

Image Soft ECDIS Simulator is a cost effective solution for maritime institutions with high educational throughput requirements. It is an ideal environment to host a class of 12 students for common scenario training. A standalone version for self-studying is also supported.

Training environment and configuration

A standard classroom configuration consists of 12 Student Workstations, each with type approved ECDIS, ARPA Radar, sophisticated conning and highly realistic visuals. Students are connected to Instructor Workstation, which features Simulation Manager software for creating and executing training scenarios. Standalone student stations enable self-execution of predefined scenarios. Ship handling is maneuvered by ship controlling unit, which manages the speed and direction of the simulated ship. A variety of ship models is included, as well as a number of training areas and port surroundings.

Operation

The instructor plans the training scenarios in advance with Simulation Manager, which also stores the scenarios for later recall. During execution the Simulation Server calculates the movements of each trainee's own vessel and target vessels in the given scenario. The server sends GPS messages to own vessel, and AIS messages for other vessels to tell ECDIS and the Radar the positions of all vessels. The Radar overlay is displayed on each student's ECDIS, generic or type approved e.g. Maris ECDIS900.

The instructor can define questions into the scenario, which are prompted to trainees at predefined moments or triggered by preset incidents. The responses are displayed to the instructor in real-time and taken into account in student evaluation. The instructor can also control the exercise by e.g. creating instrument failures and drastic weather changes.



ECDIS Instructor Workstation

Connectivity

IS ECDIS Simulator is connectable with other Image Soft simulators over HLA protocol to run comprehensive training scenarios. It runs on standard Windows PC (Win10 or newer) on three displays to ensure good usability, ergonomics and realism.

Certification

DNV has certified the Image Soft ECDIS Training Simulator to comply with Class C – Standard for Certification of Maritime Simulators No. DNV-ST-0033 August 2023. This ensures that IS ECDIS Simulator enables ECDIS training according to IMO Model Course 1.27, offering high quality training for watch officers.