



## Laguna (example)

### Mission

The simulator is designed to help trainees develop the required skills to fulfill their functions when a surface ship (boat) performs combat missions under various conditions.

When the ship stays docked at its base, the simulator provides training of some specialists, station and command center crews, as well as the whole complement in ship handling, weapon employment and the use of technical facilities.

### Simulator configuration and components

The simulator is a set of workstations communicating within a local area network built in accordance with ship's organization. Software and hardware of the network visualize the maritime situation, ship's weapon and equipment processes. The simulator is based on an "open architecture" design that makes it possible to modify its configuration, capabilities, and a list of tasks. It consists of the following components:

- central training direction and monitoring station, including a situation visualization module;
- ship maneuvering control module;
- power and damage control module;
- missile and artillery control module;
- electronic warfare control module;
- computer system and its software providing interaction between the modules as well as simulation (visualization) of the situation and ship's weapon and equipment processes.

The training simulator system can be integrated with simulators from other manufacturers, as well as with existing computer weapon/equipment/device/mechanism simulators through the use of HLA technology.

### Main characteristics:

- Number of workstations: 12+1
- Number of visualization channels: 5
- Channel's field of view, deg : 35-45
- Resolution : 1024×768
- Number of visualization scenes: 22
- Number of ship models: 16
- Number of types of vessel targets: 120
- Number of aids to navigation: up to 100
- Missile models: P-20M, Igla, PK-16



- Artillery models: AK-176M, AK-630M, Vypel-AME

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