WÄRTSILÄ

Survival Craft Simulator

Survival Craft Simulator (SCS)

Based on the 5th generation of the
NAVIGATIONAL SIMULATION PLATFORM (NTPRO)

Trainees can acquire and demonstrate new competencies by successfully completing **SURVIVAL CRAFT SIMULATION** tasks

The required competencies are highly procedural and therefore ideally suited for **SIMULATOR-BASED TRAINING**

Benefits

RELIABILITY: reduces training downtime due to equipment issues with a real lifeboat and lifeboat davit.

EFFICIENCY: a simulator eliminates the time-consuming preparations needed for training when using a real lifeboat and lifeboat davit.

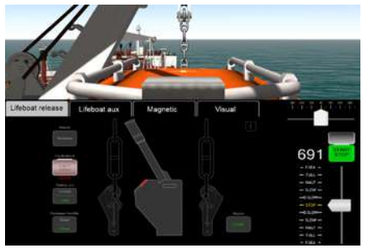
COMPETENCE: a classroom setup allows multiple trainees to learn the procedures individually and prepare for assessment on a part task or full mission bridge.

COST PREDICTABILITY: a simulator solution requires minimum maintenance compared to a real lifeboat setup.

SAFETY: training carried out using real lifeboats poses a safety risk to trainees, due to heavy equipment and moving parts operating under significant forces. These risks are avoided with a simulator, whether on shore or on board.

Simulation of the main lifeboat procedures

- **Prepare survival craft**
- **Launch and board survival craft**
- **Maneuver survival craft to clear ship and return to falls**
- **Recover and stow survival craft**



Includes a basic training content

Enables operational data collection of simulator usage

Allows user to access our online marketplace to upload and/or download training content directly from the instructor station

Compliant with international standards & regulations

- STCW 2010 Competence Tables, related to Survival Craft Training
- SOLAS and LSA Code requirements for Safety of Life and equipment characteristics
- Enables Survival Craft Training, mandatory for all officers aboard SOLAS vessels
- Survival Craft Simulator is certified by DNVGL and ClassNK

IMO
STCW2010

Fully Scalable Solutions

CLASSROOM

PART TASK

FULL MISSION

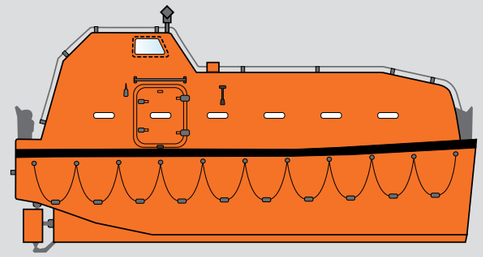
Survival Craft Simulator can be integrated with an existing simulator system, such as NTPRO classroom, part task bridge or full mission bridge or can be installed as a standalone simulator.

SCS Components

- One Survival Craft Functionality Module per simulator installation
- Interactive Bridge Information Display (IBID) Software Module per workstation or bridge for the classroom. The number of Modules for the part task and full mission configuration depends on individual customer requirements.
- SCS Dedicated Hardware (release and brake handles) for the part task and full mission configurations
- Train-the-trainer course
- SCS courseware including exercises, e-Tutor content, and other training materials

Simulated Lifeboat Model

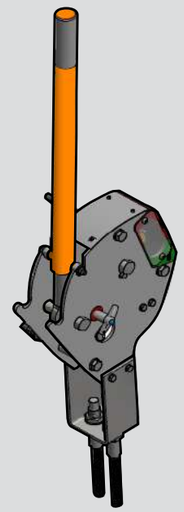
- Based on a regular totally enclosed lifeboat (TELB), Norsafe JYN65 widely used on deep-sea vessels
- Davit-launched
- Self-propelled, self-righting, fitted with hook-release gear mechanism



Hook-Release Gear Model

Simulated components for Lifeboat release and recovery:

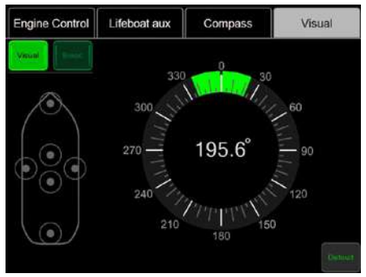
- Virtual or real hardware device
- Release handle
- Safety pin
- Lever of hydrostatic interlock



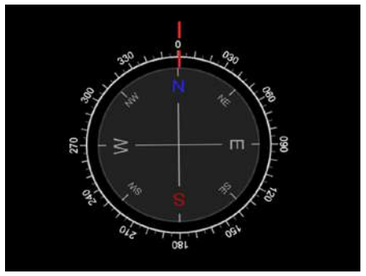
Lifeboat Control Panels Based on IBID Technology

Pre-checks panel

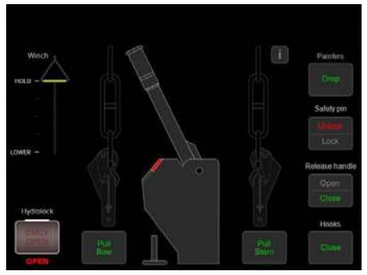
Visual panel



Magnetic compass panel

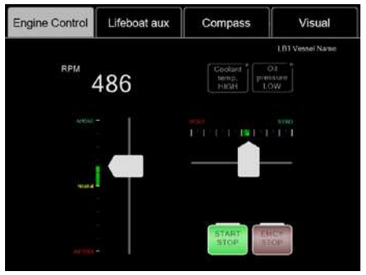


Release panel

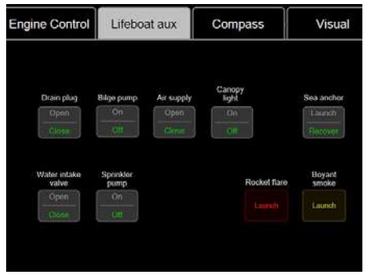


VHF panel

Engine control panel



Auxilary panel



Specific Survival Craft Conning Panel

- Easy access to all controls and indicators needed for Survival Craft Training
- Can be combined with a visual channel

Launch Platform

- Default option: Chemical Tanker 7 (LOA 183 m, Draft 13 m)
- Any own ship or ship target on request

Wärtsilä is a global leader in smart technologies and complete lifecycle solutions for the marine and energy markets. By emphasising sustainable innovation, total efficiency and data analytics, Wärtsilä maximises the environmental and economic performance of the vessels and power plants of its customers.

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10.2018 / Wärtsilä Voyage Solutions