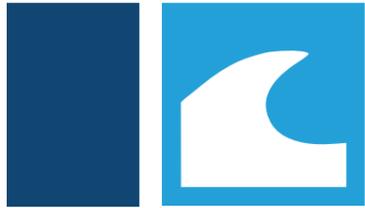


## INLAND TRAINING

**NAUTIS Inland Simulator** is the perfect solution for radar navigation, communication, inland vessel handling training and examination.





## NAUTIS Simulator

NAUTIS Simulators are DNV-GL approved integrated simulator solutions that meet the latest IMO requirements.

Our simulators are tailored to our customers' needs and developed using breakthrough technologies.

The software at heart of each NAUTIS simulator is optimized to deliver a realistic and true-to-life simulator experience.

## Core Benefits

- **Ease of use** – Simple and intuitive interface allows users to quickly operate the software.
- **Realism** – Validated hydrodynamics simulate realistic physical ship behavior.
- **Quality** – Photo-realistic render of objects and environments enhance user immersion.
- **Compatible** – Standard and open interface enable to connect NAUTIS with external equipment.

## NAUTIS Inland Training

Our NAUTIS Inland simulators allow for a wide range of training options for radar navigation, communication and inland vessel handling. The simulators include easy-to-use set of instructor tools that help (re)-create any scenario that may occur, while operating your vessel in inland waters. Training on NAUTIS Inland simulators will enable you to prepare for standard inland shipping certificates in a risk-free and cost-effective way.

The integrated simulation solution combines the NAUTIS Inland module with various hardware configurations that suit your budget in accordance with your training and certification requirements. Our simulators are fully compliant with the European Standard for Qualification in Inland Navigation (ES-QIN) as adopted by CESNI, which emphasizes the system's alignment with high standards for vessel handling and radar simulations.

## Training Applications



Radar & Communication



Navigation



Vessel Handling



## CESNI Regulations

CESNI adopted ES-QIN governing the details of professional qualifications, based on consistent competencies throughout the EU. Several standards apply for inland simulators:

- Technical and functional requirements applicable to vessel-handling and radar simulators.
- Administrative procedure for the approval of vessel-handling and radar simulators.

Training institutes have to adjust their curricula and training programs according to the new standards implemented in 2022.





## Key Features



Wheelhouse design for one-man operation with virtually adjustable height



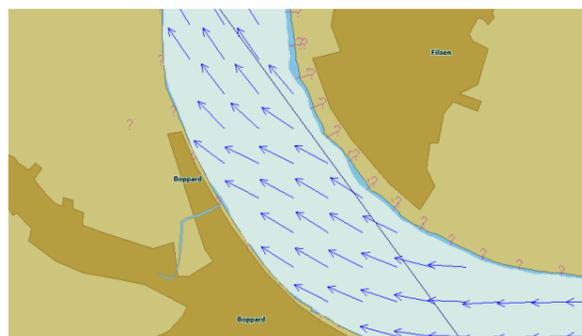
Real control instruments and multi-functional touch panels for operational overview and control



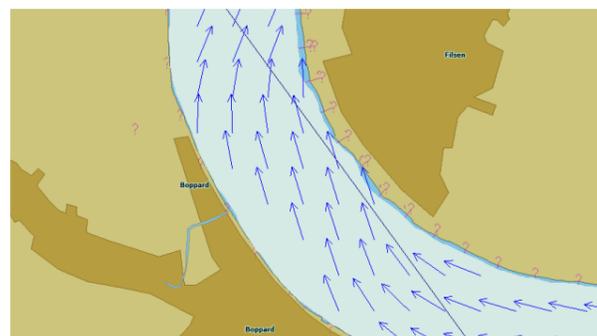
Full 3D water reflection and shadow casting for ultimate depth perception in visual navigation



Realistic Ship to Ship, Bank, Squat and Lock effects for high fidelity maneuver training



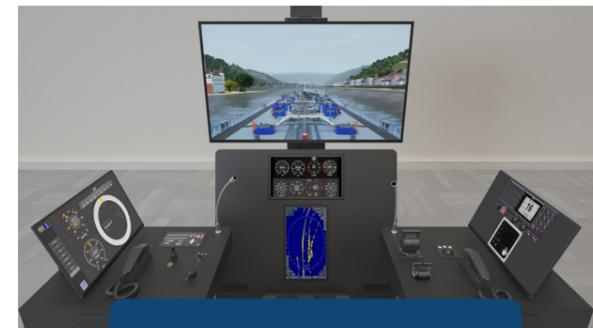
Easy-to-manipulate multiple depth layers for current provide realistic vessel behavior depending on draught



## Configurations

All NAUTIS inland Simulators are fully compliant with CESNI regulations. This emphasizes the system's alignment with high standards for vessel handling and radar systems. The NAUTIS Inland Simulator configurations were developed alongside industry experts and have a fully scalable range of options to fit your training needs. Each configuration uses the same vessel dynamics, key navigation displays, KWANT controls, IN RADAR pilot 720 river radar, as well as Inland ECDIS having both information and navigation mode available on larger setups.

The advanced software allows users to prepare for today's demanding standards and qualifications. Our NAUTIS Inland simulators meet the requirements of radar, communication, visual navigation and vessel handling training. In order to obtain a certificate of qualification to become a boat master, practical examinations of visual navigation and vessel handling can be carried out on the simulators.



CESNI Radar Compliant



CESNI Radar Compliant +



CESNI Vessel Handling



CESNI Vessel Handling +



## ABOUT

NAUTIS is a product of VSTEP, an ISO9001:2015 certified company based in Rotterdam, the Netherlands. We strive to enable learning by simulation with innovative solutions and aim to ensure that at least one-third of the maritime industry has obtained their skills through our simulation technology.

