

MORILD ICENAV

POLAR CODE ICE NAVIGATION SIMULATOR



SWEDISH MARITIME
ADMINISTRATION



90North Ice Consulting



VIKING
ICE CONSULTANCY



MORILD
INTERAKTIV

FULL MISSION ICE NAVIGATION SIMULATOR

The simulator allows for multiple operators and vessels. The operators navigate by visuals and/or using ice radar and ECS – depending on weather conditions. You can have multiple operators on the same bridge and voice communication between them. In addition, you can also have multiple vessels and crew with communication between them in the same scenario. Our ice simulation model features realtime collision and fracturing.

Features & functionality:

- State of the art intuitive physics based VR hand interaction
- Multi-user functionality for avatars w/voice communication (via LAN and/or internet)
- Instructor station tablet application
- Recording and playback of training sessions
- Second to none visual realism, quality and immersion
- 3D spatialized audio
- Possibility for custom vessel, bridge and geo-specific location
- Searchlights
- ECS
- Autopilot w/ECS path track integration
- Ice Radar
- Conning
- Physics based ice simulation with realtime fracturing
- Complete Polar Code compliant scenario package

COMPLIANCE

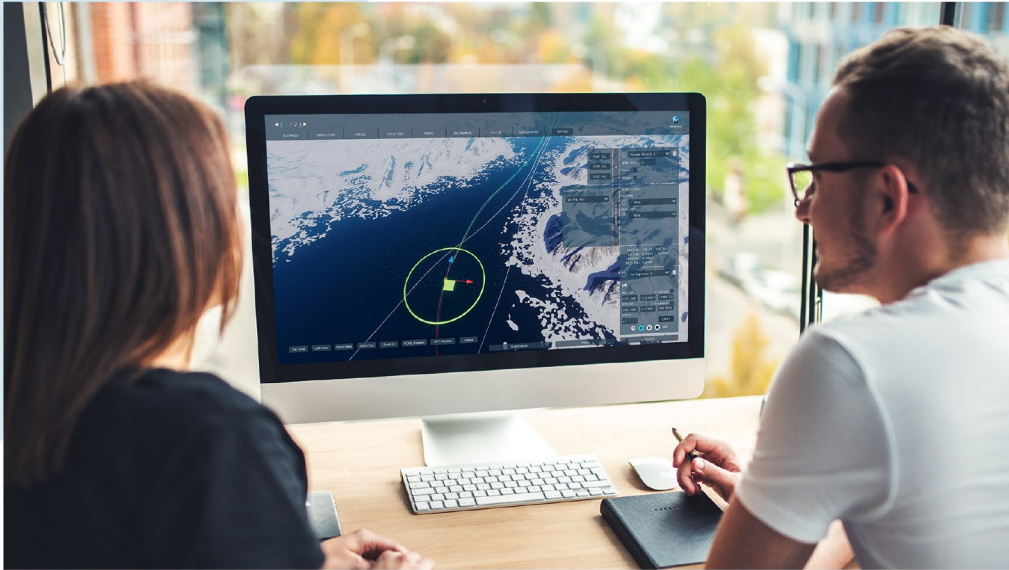
The Morild IceNav simulator is tested and approved by the **Swedish Maritime Administration** for use in certified Polar Code courses.

Our simulator is developed in close co-operation with, and used by the leading operators in polar areas, such as 90North Ice Consulting, Viking Ice Consultancy and the Arctic University of Tromsø (UiT).

Around 350 people a year complete basic or advanced Polar Code courses using the Morild IceNav for the ice navigation training.

SCENARIO BUILDER

An integral part of Morild IceNav is the Morild Builder instructor station and scenario builder. With the Morild Builder you can create, control and manipulate complex scenarios in realtime. The application is also used as an advanced instructor station during scenario training, and for playback analysis in debriefing. It can also be used as a tool to plan operations, and it features realtime weather and sea state parameters, daylight system, advanced voyage route editing and much much more. We can also deliver any geo-specific location of your choice for your scenarios.



INSTRUCTOR STATION

The tablet application gives the instructor full control of the training session. The instructor can also communicate wirelessly with training candidates using the tablets microphone and speaker.

Functionality overview:

- Time of day
- Ocean wave spectrum adjustment
- Wind direction and speed
- Visibility (fog)
- Rain / Snow
- Alarms
- Multi-user role/position assignment
- Voice communication with participants
- Spawn vessels



BENEFITS

- Portable - train *anywhere* and *anytime*, even on-site / onboard vessel
- Multi-user - collaborate in the same scenario, from same or different locations
- High training volume - simulator allows trainees to repeat training without increased cost
- Safety - no risk of harm or damage to personnel or equipment
- Cost effective - both in acquisition and operation
- Scalable - add twin simulators at low cost for more complex scenarios and/or parallel training
- Virtual equipment 100% match real world



Portable setup, fits in a laptop backpack

CONTACT US

FOR INFORMATION OR A DEMO

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Check our **website** and **youtube** channel
for videos showcasing our solutions.

www.morildinteraktiv.no



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