

MORILD NAVIGATOR

NEXT GENERATION BRIDGE SIMULATOR



www.morildinteraktiv.no



MORILD
INTERAKTIV

FULL MISSION BRIDGE SIMULATOR

We are excited to present *Morild Navigator*, the next generation bridge simulator based on VR-technology.

Morild Interaktiv launched the world's first VR bridge simulator back in 2013 in co-operation with Rolls-Royce Marine. Now we present the next generation which allows you to train ship navigation wherever and whenever you want. In addition, you can collaborate with you colleagues on the same bridge - even if he or she is located at the other side of the world.

Morild Navigator is a full mission bridge simulator based on virtual reality (VR) Technology. Unlimited number of users can train together in the same scenario on the same or on different vessels. This is done using avatars, enabling the user to see and talk with the other participants in the training exercise. And the best part - they can be situated all around the world and join in the same scenario. The solution scales very well to complex scenarios.



The key to making the best VR trainings simulators is dedication to interaction. We have developed our own VR interaction engine which makes hand interaction natural to the end user, enabling them to focus on the training exercise instead of operating the training simulator (read more about this here). Morild Navigator provides advanced physics based hand interaction which enables you to operate the fully virtual bridge consisting of joysticks, handles, buttons, radio, searchlight panel and much much more.

We also present a new innovation in Morild Navigator – interactive virtual touch-screen displays. This functionality is used for the ECS, radar and conning applications on the bridge, and provides easy and accessible handling. And, since the bridge is virtual, we can integrate any 3rd party application of your choice on the virtual touch-screen displays. This is another component that opens up a whole range of new possibilities.



Morild Navigator also features a new ocean system with advanced spectrum simulation. This provides stunning visualisation and realistic vessel behaviour. The system features both *JONSWAP* and *Pierson-Moskowitz* Spectrums.

SCENARIO BUILDER

An integral part of Morild Navigator 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

- Mobile - 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



Mobile setup, fits in a laptop backpack

CONTACT US

FOR INFORMATION OR A DEMO

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Check our **website** and **youtube** channel
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