



KONGSBERG

**WORLD CLASS** – through people, technology and dedication



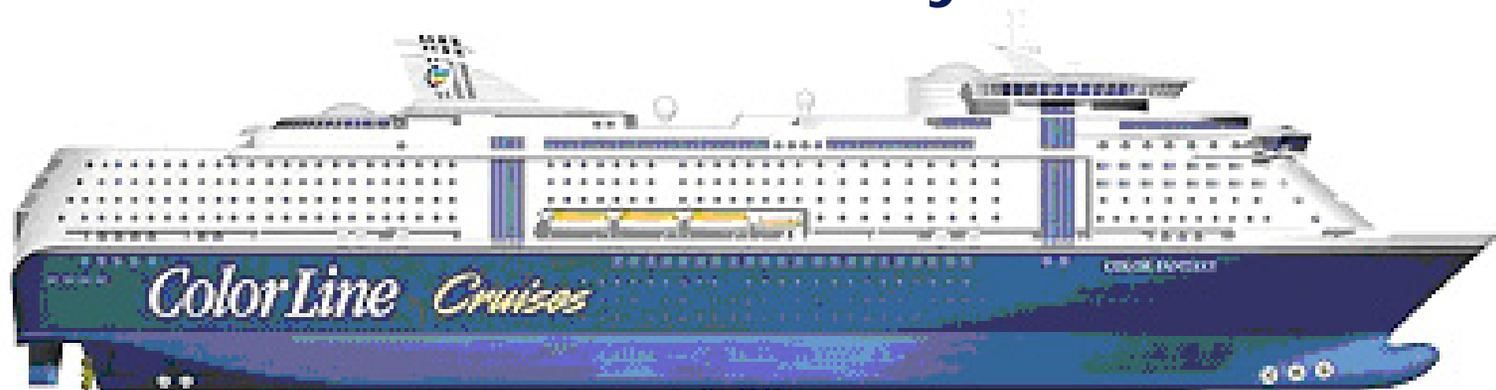
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Maritimt Utdanningsforum

20-22 November 2006

Ombord i

**Color Fantasy**



Senior Salgsingeniør Runar Pedersen

THE FULL PICTURE



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# The simulator concept for tomorrow...today!

....to stay in control of all!



...and to maximize the training quality!



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# Our range of simulators

Ship' Bridge Simulators



Cargo Handling Trainer

VTS Simulators



GMDSS Simulators



Engine Room Simulators



DynPos Simulators



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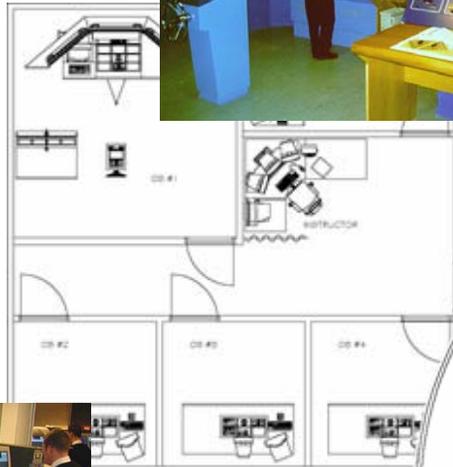


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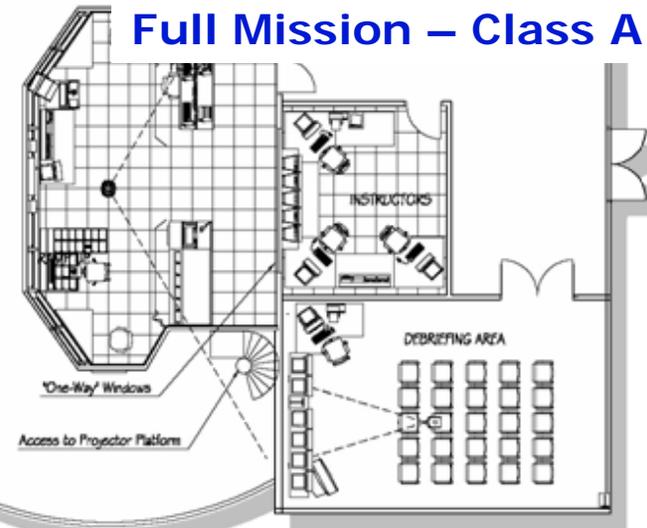
# Polaris Ships' Bridge Simulator

- Scaleable Product line

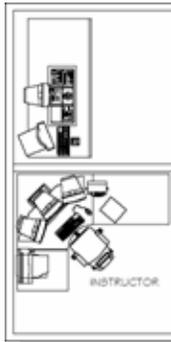
Part Task/Class B



Full Mission – Class A



Desktop SBS



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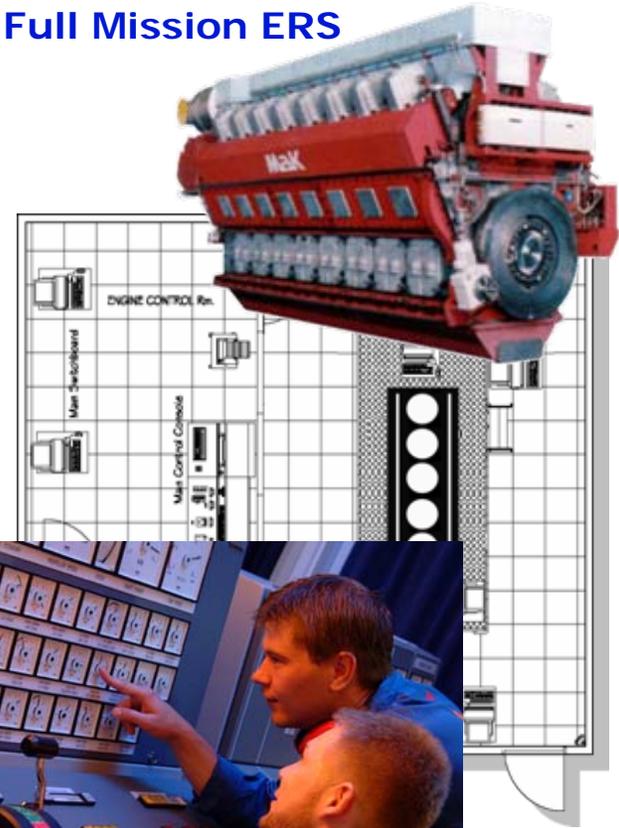
# Neptun Engine Room Simulator

- Scaleable Product line

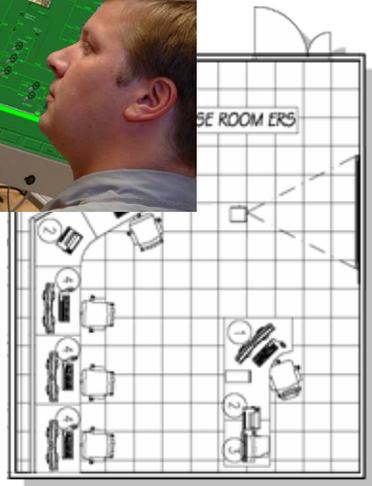
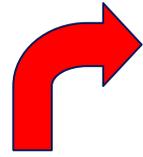
Part Task ERS



Full Mission ERS



ERS Workstations

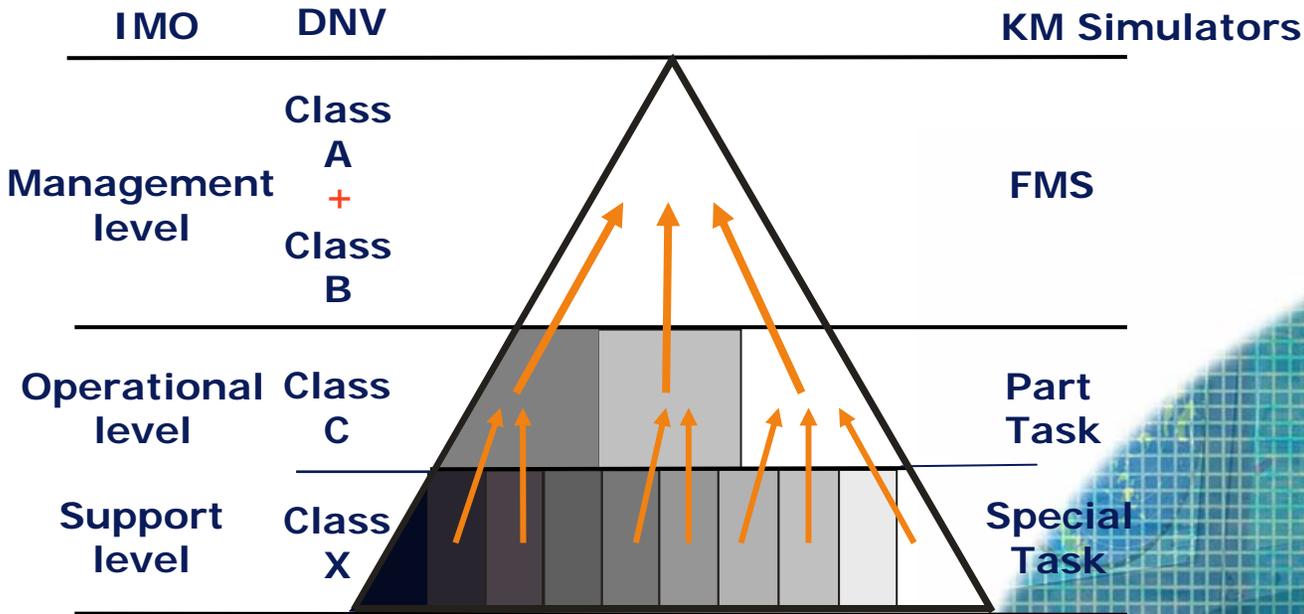


THE FULL PICTURE



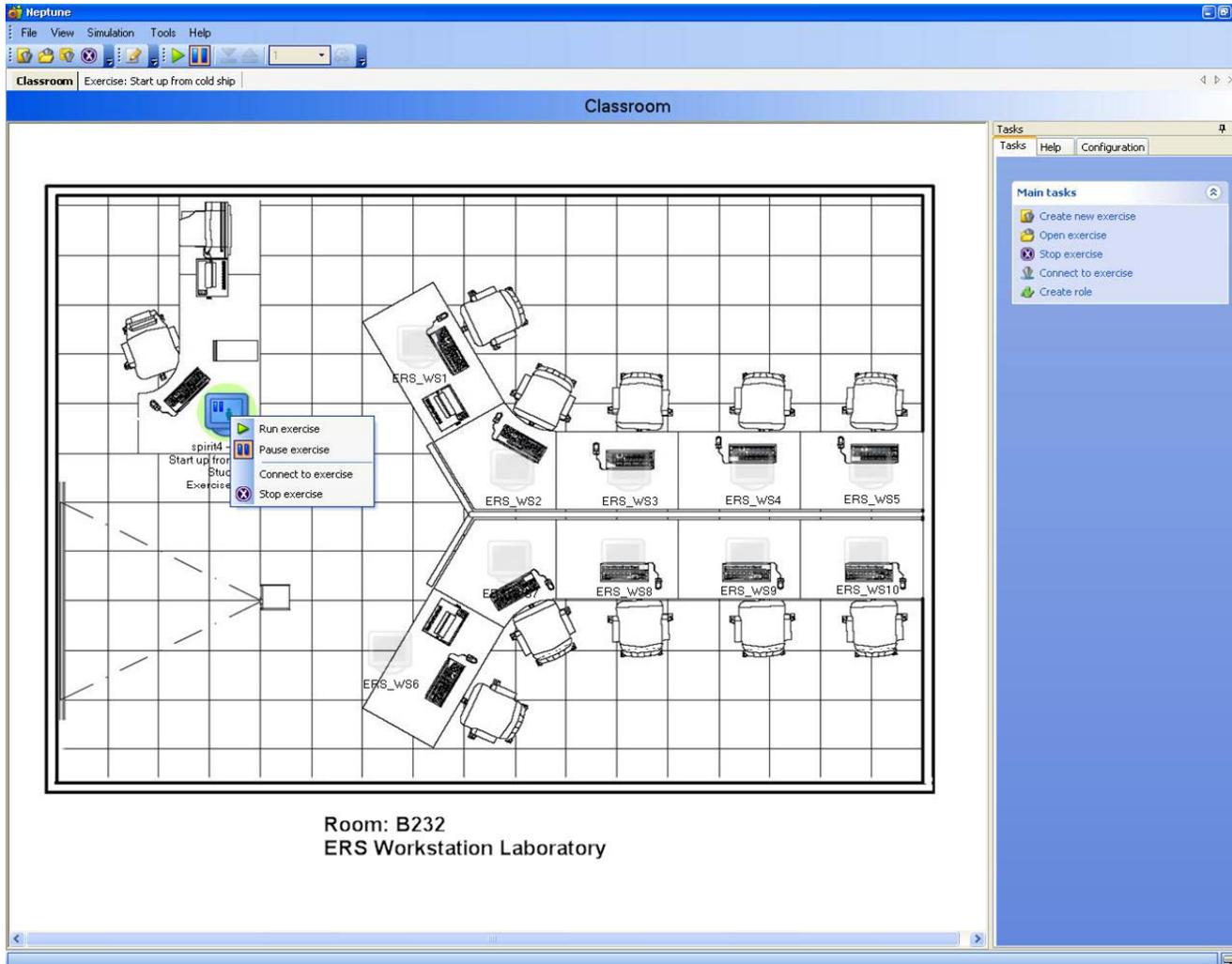
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# Total Training Concept



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# Instructor Station Classroom View



- Start exercises on PC's in the classroom
- Run/pause exercises in the classroom
- "Client Connect" to exercises in the classroom
- Set up groups for team training



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# Ship Model Server

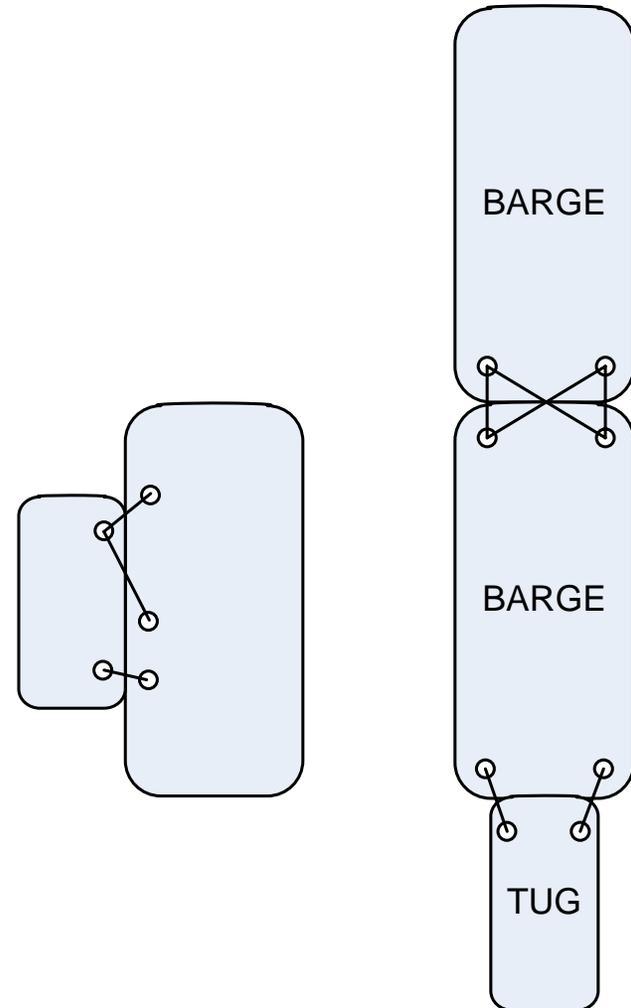
- Consolidated modeling of ALL own ships in an exercise
- Enforcement of laws of physics



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# Tugging Functionality

- Opens for simulation of more complex tow fleets
- Combination of direct mechanical hull interaction and mooring lines



# Own Ship Tugging



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# Enhanced tug functionality

- Possible tug console layout



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# Enhanced tug functionality

- Hydrodynamic for tug simulation
  - Voith Schneider
  - Z-Drive
  - Conventional
  - Hydraulic winch function on tugs



THE FULL PICTURE

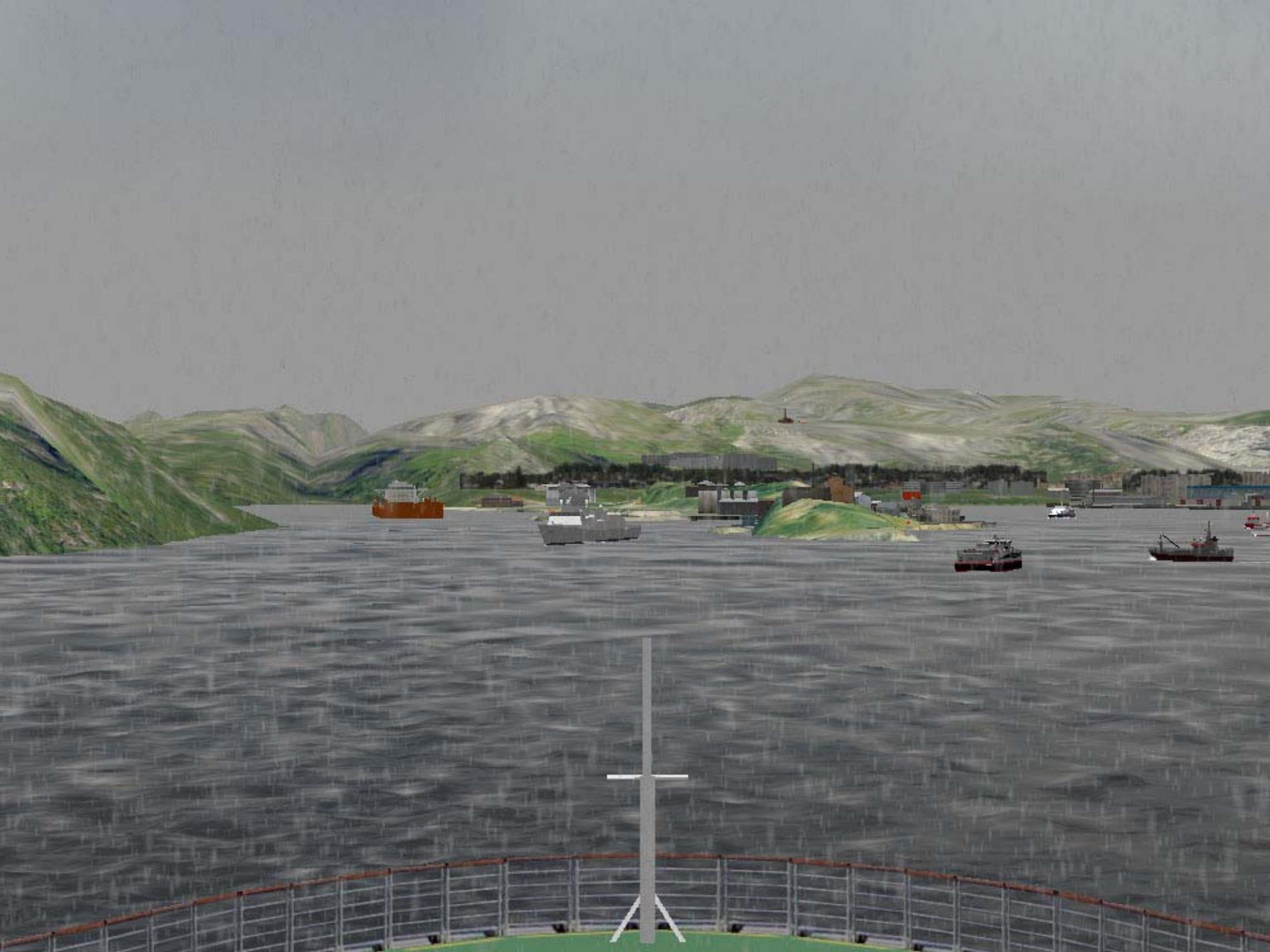




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## Seaview R5:

- Standard PC platform – Pentium V
- GForce 7800 graphic board
- SeaView R5 SW license



# Fast ferry simulation



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# Bodin videregående skole og maritime fagskole



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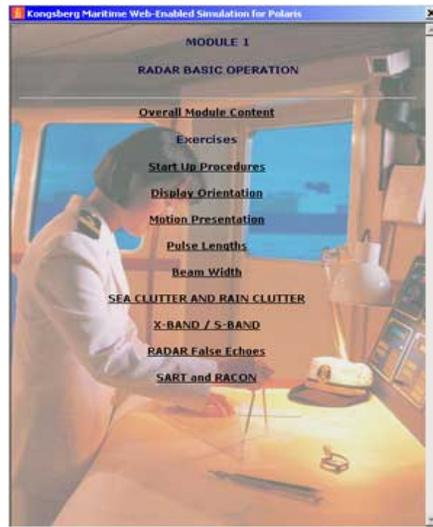
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THE FULL PICTURE



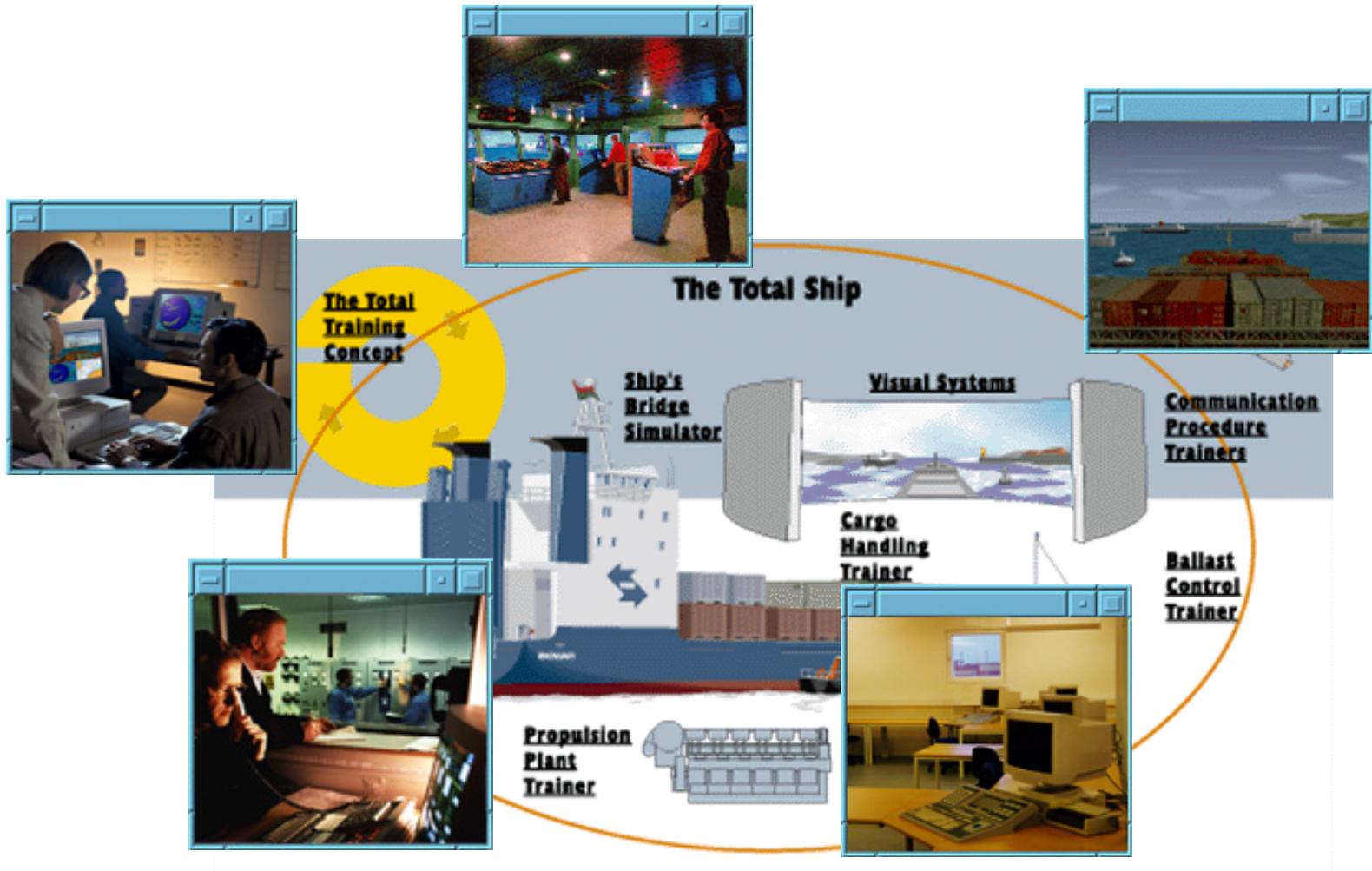
# Web-Enabled Simulation modules





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Takk for oppmerksomheten



...and visit <http://www.kongsberg.com>

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