Overview of Nautis Simulator Classes

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### Desktop Trainers

<table>
<thead>
<tr>
<th></th>
<th>Standard (portable version possible)</th>
<th>Professional</th>
<th>Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image:</strong></td>
<td><img src="image1.png" alt="Standard" /></td>
<td><img src="image2.png" alt="Professional" /></td>
<td><img src="image3.png" alt="Premium" /></td>
</tr>
<tr>
<td><strong>About:</strong></td>
<td>The NAUTIS Desktop Trainers make certified ECDIS / Radar training based on the new IMO Model Course 1.27, affordable and portable. Thanks to the high quality and small form factor of the NAUTIS Desktop Trainer, certified training on any location, including on board of ships becomes a reality. Classroom solutions are also possible.</td>
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</tbody>
</table>
| **Training options:** | 1. Basic Ship Handling & Manoeuvring  
2. Basic Radar/ARPA training  
3. ECDIS Model Course 1.27  
4. VHF Radio Communications | Same as Standard (1-4), plus:  
5. Radar/ARPA Model Course 1.07  
6. NavAids training (GPS, AIS, Echo Sounder, Speed Log)  
7. AIS Model Course 1.34  
8. Officer of the Navigational Watch Model Course 7.03 (partly) | Same as Professional (1-9), plus:  
9. GMDSS Radio Communications Model Course 1.25, 1.26  
10. More advanced ship handling & manoeuvring, incl. emergency control |
| **Software included:** | • NAUTIS Trainee Station  
• NAUTIS Radar Interface Module for radar overlay on ECDIS  
• IMO Type-Approved ECDIS  
• NAUTIS VHF | Same as Standard, plus:  
• NAUTIS Radar Interface Module  
• IMO Type-Approved Radar/ARPA  
• NAUTIS Instruments (GPS, AIS, Echo Sounder, Speed Log) | Same as Professional, plus:  
• GMDSS Simulator |
| **Hardware included:** | • PC / laptop  
• 24” displays  
• Small control box  
• Head set | • PC / laptop  
• 24” and 27” displays  
• Medium-size control box  
• PTT handset | • PCs  
• 24” displays  
• Large control box  
• PTT handset |
| **Upgradable to:** | • Professional Desktop Trainer  
• Premium Desktop Trainer  
• Console Trainer (all types)  
• 2 additional outside view displays | • Premium Desktop Trainer  
• Console Trainer (Professional/Premium)  
• 2 additional outside view displays | • Console Trainer (Premium) |
| **Control box options:** | ![Small](image4.png)  
• Small | ![Medium](image5.png)  
• Medium | ![Large](image6.png)  
• Large |

All Desktop Trainers include the Small Control Box as standard but can be upgraded to both the Medium and Large Control Box.
## Console Trainers

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<tr>
<td>About:</td>
<td>The NAUTIS Console Trainers combine the power of the NAUTIS Simulator Software with a high quality medium bridge console. The Console Trainers include large displays for the outside view combined with multiple displays and side panels integrated into the console (number of displays depends on selected Console Trainer type).</td>
<td>Same as Standard (1-4), plus: 5. Radar/ARPA Model Course 1.07 6. NavAids training (GPS, AIS, Echo Sounder, Speed Log) 7. AIS Model Course 1.34 8. Officer of the Navigational Watch Model Course 7.03 (partly)</td>
<td>Same as Professional (1-9), plus: 9. GMDSS Radio Communications Model Course 1.25, 1.26 10. More advanced ship handling &amp; manoeuvring, incl. emergency control</td>
</tr>
<tr>
<td>Training options:</td>
<td>1. Basic Ship Handling &amp; Manoeuvring 2. Basic Radar training 3. ECDIS Model Course 1.27 4. VHF Radio Communications</td>
<td>Same as Standard, plus:</td>
<td>Same as Professional, plus:</td>
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</tr>
<tr>
<td>Software included:</td>
<td>• NAUTIS Trainee Station  • NAUTIS Radar Interface Module  • IMO Type-Approved ECDIS  • NAUTIS VHF</td>
<td>Same as Standard, plus:  • IMO Type-Approved Radar/ARPA  • NAUTIS Instruments (GPS, AIS, Echo Sounder, Speed Log)</td>
<td>Same as Professional, plus:  • GMDSS Simulator</td>
</tr>
<tr>
<td>Hardware included:</td>
<td>• PC  • 24” navigation displays  • 40” LED displays for 120° outside view  • Sound system  • Console with built-in basic control box</td>
<td>• PC  • 24” navigation displays  • 29” overhead display  • 40” LED displays for 120° outside view  • Sound system  • PTT handset  • Metal console with built-in Professional control box</td>
<td>• PCs  • 24” navigation displays  • 29” overhead displays  • 40” LED displays for 120° outside view  • Sound system  • PTT handset  • Metal Premium console with built-in Premium control box  • Chart table</td>
</tr>
<tr>
<td>Upgradable to:</td>
<td>• Professional Console Trainer  • Premium Console Trainer  • Full Mission Bridge Simulator (all types)</td>
<td>Premium Console Trainer  • Full Mission Bridge Simulator (all types)</td>
<td>Full Mission Bridge Simulator (all types)</td>
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Full Mission Bridge (FMB) Simulators – DNV Class A

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**About:** Realistic training on board an actual high quality ship bridge replica becomes possible with the NAUTIS Full Mission Bridge (FMB) Simulators. These certified Full Mission Bridge DNV Class A simulators comply with the Class A requirements as set by DNV’s interpretation of the STCW. The NAUTIS Certified DNV Class A FMB simulators are fully compliant with the Class A DNV Standards for Certification No. 2.14 for Maritime Simulator Systems and IMO model courses 1.22 and 1.32. They address all new elements from the newly revised IMO STCW Convention, which entered into force January 2012 and allows realistic training of a wide variety of training courses.

**Training options:**

1. Ship Handling & Manoeuvring
2. ECDIS Model Course 1.27
3. VHF Radio Communications
4. Radar/ARPA Model Course 1.07
5. Radar/ARPA, Bridge Teamwork and Search & Rescue Radar 1.08
6. NavAids training (GPS, AIS, Echo Sounder, Speed Log)
7. AIS Model Course 1.34
8. VHF Radio Communications
9. Officer of the Navigational Watch Model Course 7.03 (partly)
10. GMDSS Model Course 1.25, 1.26
11. Bridge Team Work 1.22

**Software included:**

- NAUTIS Trainee Station (5x)
- NAUTIS Radar Interface Module
- IMO Type-Approved ECDIS
- IMO Type-Approved Radar/ARPA
- GMDSS Simulator
- NAUTIS Instruments (GPS, AIS, Echo Sounder, Speed Log)
- NAUTIS Control Panels (Autopilot, Navlights, Sounds, Alarms)

**Hardware included:**

- PCs
- navigation and overhead displays
- 55” LED displays for a 240° outside view
- Standard console with built-in Standard control box

**Upgradable to**

- Professional FMB Simulator
- Premium FMB Simulator
- Chart table
- Virtual binoculars

**Same as Standard, plus:**

- Larger teams possible for BRM/BTM training

**Software included:**

- PC
- navigation and 2 overhead displays
- 65” LED displays for a 240° outside view
- Projected stern view
- Professional metal console with built-in Professional control box
- Chart table

**Upgradeable to**

- Professional FMB Simulator
- Increased 360° Field of View
- Cylindrical projection system with projectors for a 240° outside view
- Projected stern view
- Virtual binoculars
- Premium metal console with built-in Premium control box
- Chart table

**Upgradeable to**

- Increased 360° Field of View
- Helmsman console
- Pelorus

**Same as Professional**
Desktop Tug/OSV Trainers

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About: The NAUTIS Desktop Tug/OSV Trainers make effective Tug or OSV handling & manoeuvring training affordable and portable. Thanks to the high quality and small form factor of the NAUTIS Desktop Trainers, training on any location, including on board of ships becomes a reality.

Training options:
- Basic Tug/OSV handling & manoeuvring
- Advanced Tug/OSV handling & manoeuvring
- Advanced Tug/OSV handling & manoeuvring

Software included:
- NAUTIS Trainee Station
- NAUTIS Tug / Offshore Module
- NAUTIS Trainee Station (2x)
- NAUTIS Tug / Offshore Module (2x)
- NAUTIS Trainee Station (3x)
- NAUTIS Tug / Offshore Module (3x)

Hardware included:
- PC or laptop
- 24” Navigation displays
- 27” Outside View displays, 120° outside view
- Basic azimuth control box
- PC
- 24” Navigation displays
- 40” Outside View displays, 180° outside view
- Advanced azimuth control box
- PCs
- 24” Navigation displays
- 40” Outside View displays, 240° outside view
- Advanced azimuth control box set

Upgradable to:
- Professional Tug/OSV Trainer
- Premium Tug/OSV Trainer
- Full Mission Tug/OSV Trainer (all types)
- Premium Tug/OSV Trainer
- Full Mission Tug/OSV Trainer (Professional/Premium)
- Full Mission Tug/OSV Trainer (Premium)

Full Mission Tug Trainers

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<td><img src="image6.png" alt="Image" /></td>
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</table>

About: Realistic training on board an actual high quality Tug or OSV ship bridge replica becomes possible with the NAUTIS Full Mission Tug/OSV Simulators.

Training options:
- Advanced Tug handling & manoeuvring
- Advanced Tug handling & manoeuvring
- Advanced Tug handling & manoeuvring

Software included:
- NAUTIS Trainee Station (2x)
- NAUTIS Tug / Offshore Module (2x)
- NAUTIS Trainee Station (4x)
- NAUTIS Tug / Offshore Module (4x)
- NAUTIS Trainee Station (4x)
- NAUTIS Tug / Offshore Module (4x)

Hardware included:
- PCs
- 24” Navigation displays
- 55” Outside View displays, 120°
- Optional: 27” top windows
- PCs
- 24” Navigation displays
- Projectors for outside View
### Full Mission Offshore Vessel Trainers

<table>
<thead>
<tr>
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<tr>
<td><strong>About:</strong></td>
<td>Realistic training on board an actual high quality offshore vessel (partial) bridge replica becomes possible with the NAUTIS Full Mission Offshore Vessel Simulators.</td>
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</tbody>
</table>
| **Training options:** | Ship handling & manoeuvring | Advanced ship handling & manoeuvring | Advanced handling & manoeuvring
- Basic DP1 |
| **Software included:** | NAUTIS Trainee Station (3x) NAUTIS Offshore Module (3x) | NAUTIS Trainee Station (5x) NAUTIS Offshore Module (5x) | NAUTIS Trainee Station (12x) NAUTIS Offshore Module (4x) |
| **Hardware included:** | PCs
- 24" Navigation displays
- 55" Outside View displays, 120° outside view
- Standard wooden tug console with Basic azimuth control box set | PCs
- 24" Navigation displays
- 65" Outside View displays,
- 30" slated top window panels for an increased vertical field of view of 50°
- Professional metal tug console with Professional azimuth control box set | PCs
- Professional metal offshore vessel bridge consoles with 2 operator chairs with built-in ship controls
- 75" vertical LED displays for a 240° outside view
- 30" slated top window panels for an increased vertical field of view of 50° |
| **Upgradable to:** | Professional Full Mission Tug/OSV Trainer Premium Full Mission Tug/OSV Trainer | Premium Full Mission Tug/OSV Trainer | Increased 360° Field of View
- DP2 or DP3
- Increased 360° horizontal field of view with 3 additional 75" LED displays or 1 projected display | Increased 360° horizontal field of view
- DP3 |
## Dynamic Positioning (DP) Trainers

<table>
<thead>
<tr>
<th>Type</th>
<th>NI Class B Minimum</th>
<th>NI Class B Recommended</th>
<th>NI Class A</th>
</tr>
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<tbody>
<tr>
<td><strong>Trainee Station:</strong></td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
<td><img src="image3" alt="Image" /></td>
</tr>
<tr>
<td><strong>Instructor Station:</strong></td>
<td><img src="image4" alt="Image" /></td>
<td><img src="image5" alt="Image" /></td>
<td><img src="image6" alt="Image" /></td>
</tr>
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</table>

### Instructor Stations

**About:** The Instructor Station is a mandatory element of the STCW simulators. It is also a useful instrument for other types of training. The configuration of the Instructor Station is dependent on the trainee station configuration. Usually the outside view displays and a number of navigation screens are duplicated on normal PC monitors, using cable splitters and extenders. This way, the instructor can follow the trainee’s decisions and actions in detail.

<table>
<thead>
<tr>
<th>Type</th>
<th>Image:</th>
<th>Software included:</th>
<th>Type:</th>
<th>Image:</th>
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<th>Image:</th>
<th>Software included:</th>
</tr>
</thead>
</table>
| **Type 1 – for Standard Desktop & Console Trainers** | ![Image](image7) | - NAUTIS IS  
- NAUTIS VHF IS  
- PolarView chart | **Type 4 – for Full Mission Bridge Simulators (all types)** | ![Image](image8) | - NAUTIS IS  
- GMDSS IS  
- NAUTIS Assessment Tool | **Type 5 – for Desktop Tug/OSV (all types)** | ![Image](image9) | - NAUTIS IS  
- NAUTIS Tug/Offshore IS  
- Camera view & recording |
| **Type 2 – for Professional Desktop & Console Trainers** | ![Image](image10) | - NAUTIS IS  
- NAUTIS VHF IS  
- NAUTIS Assessment Tool | **Type 3 - for Premium Desktop & Console Trainers** | ![Image](image11) | - NAUTIS IS  
- GMDSS IS  
- NAUTIS Assessment Tool | **Type 6 – for Full Mission Tug/OSV (all types)** | ![Image](image12) | - NAUTIS IS  
- NAUTIS Tug/Offshore IS  
- Camera view & recording |