



# Swedish Naval Warfare Training System

## Overview

CAE designed and delivered a comprehensive Naval Warfare Training System (NWTS) to the Swedish Navy at their Naval Warfare Centre in Karlskrona. The Swedish Navy wanted a flexible, cost-effective, low risk system that would deliver individual, crew, and whole ship training using synthetic environments to replace their existing system which had become obsolete.

The NWTS provides a comprehensive, simulation-based system which includes simulation software, hardware, wargaming consoles, and instructor operator stations used to train and educate Swedish Navy sailors and officers in naval tactics, procedures and doctrine.

### Fully Integrated Naval Training System

The comprehensive Naval Tactical Mission Trainer (TMT) suite includes a total of 52 student stations along with 13 instructor operator stations to deliver a realistic training experience.

This is a perfect example of how CAE leverages its training systems integration capabilities to provide an integrated, cost-effective training solution that combines products, core simulation technologies and post-delivery support services to support the training of Swedish Navy officers and crews.

The long-term vision of the Swedish Navy is to network training solutions across the Army, Navy and Air Force to deliver synergies and cost savings by using common synthetic environment databases, and most importantly, support mission training and rehearsal.

### Delivered Products and Services:

- Student workstations
- Wargaming consoles
- Instructor operator stations (IOS)
- Open Geospatial Consortium Common Database (OGC CDB)
- On-site instruction
- Technician training
- Help desk support services
- Technical assistance

### Multi-discipline training areas:

- Sensor operations
- Command, control, communications and computers (C4)
- Weapon systems
- Anti-air warfare (AAW)
- Anti-surface warfare (ASuW)
- Anti-submarine warfare (ASW)
- Mine warfare (MW)
- Search and rescue (SAR)



## Key Benefits

CAE's comprehensive NWTs for the Swedish Navy delivers the following benefits:

- Flexible and scalable ab-initio training to facilitate basic skills learning;
- Comprehensive, fully integrated naval training solution;
- Increased overall crew mission readiness and operational capability;
- Reconfigurable training systems capable of representing any class of ships;
- Supports training in naval tactics, procedures and doctrine;
- Distributed, flexible solution that can be expanded to support joint training between Army, Navy, and Air Force.

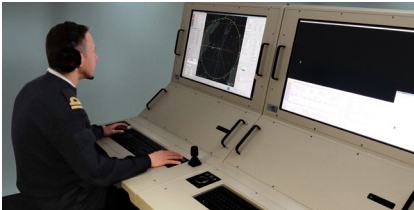
## Experienced Team

CAE has proven experience in the design, development, and delivery of world-class naval training solutions for navies around the world. We help support individual, team, whole ship, joint and coalition training and mission rehearsal. Examples include:

- The United Arab Emirates Naval Training Centre is a purpose-built training centre that will feature a range of integrated ship simulation-based training suites, as well as maritime aircraft sensor stations, and will enable individual, command team, and whole-ship crew training;
- Engineering support for the Iroquois-Class Destroyers and Canadian Frigate program, under subcontract to Lockheed Martin Canada, for the Royal Canadian Navy;
- Maritime Command Operational Information Network, under subcontract to MDA, for the Royal Canadian Navy;
- Action Speed Tactical Trainer (ASTT) – Anti Submarine Warfare for the Indian Navy;
- Motion Control Simulator for the Indian Navy;
- Maritime Wargaming System (Poseidon) for the Indian Navy;
- 'Burya' Engine Room Control Simulator for the Indian Navy.

Also, CAE has many years of experience providing training for the rear crews of maritime patrol fixed and rotary-wing aircraft supporting anti-submarine, anti-surface warfare and search and rescue roles operating in close coordination with navies around the world. Some of our customers include:

- United States Navy – P-3C Orion and P-8A Poseidon;
- United Kingdom Royal Navy – Merlin and Lynx helicopters;
- German Navy – P-3C Orion.
- Royal Canadian Air Force – CP-140 Aurora;
- Italian Navy – AW101 helicopter;



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