

United Arab Emirates Naval Doctrine and Combat Training Centre (NDCTC)



Overview

CAE, in partnership with Babcock International and local UAE partners, is leading the design and development of a comprehensive Naval Doctrine and Combat Training Centre (NDCTC) for the United Arab Emirates (UAE) Navy as the first element of a distributed and networked naval training system.

The UAE NDCTC will be located in Taweelah with future plans to connect to distributed sites in the UAE, including naval vessels at sea and ashore.

The purpose-built NDCTC facility will feature a range of integrated ship simulation-based training suites, as well as maritime aircraft sensor stations, and will enable individual, team, whole-ship, and collective/joint mission training.



Integrated Naval Training Solution

The comprehensive, turnkey naval training centre will provide the UAE Navy with a cost-effective means of producing tactically and technically proficient mission-ready naval personnel. CAE is providing a complete solution, starting from an overall assessment of training needs through a comprehensive training needs analysis (TNA) and training media analysis (TMA).

The findings from the needs analysis helped define the training facility layout and structure as well as the training media design, resulting in a comprehensive training system that links course content with training media, facility layout, and course management.

The state-of-the-art UAE NDCTC will house an impressive suite of simulators and reconfigurable consoles to provide training for various ship types across a range of ship systems and subsystems, including combat management systems, sensors, and weapons systems. The simulation suites will be networked to provide team and multi-ship training in a whole ship configuration. The result will be a fully integrated naval training system to help our customer achieve the highest quality of training and mission rehearsal.

Simulation Products

- Combat Information Centre (CIC) simulators
- Bridge simulators
- Machinery Control Room simulators
- Reconfigurable student consoles based on CAE's naval tactical mission trainers
- Instructor operator stations (IOS)
- Brief/debrief capabilities
- Courseware
- Integrated training management
- Simulation controllers

Services

- Program management
- Facility management
- In-service support



Key Benefits

CAE's comprehensive Naval Doctrine and Combat Training Centre for the UAE Navy will deliver the following benefits:

- State-of-the-art, fully integrated naval training centre;
- Support to mission and exercise planning, rehearsal and debrief capability;
- Integrated learning environment to optimize resources;
- Enhanced local capabilities through knowledge and skills transfer;
- Increased overall fleet readiness and operational capability;
- Flexible solution that can be expanded to support joint mission training and rehearsal with other services such as the army and air force.

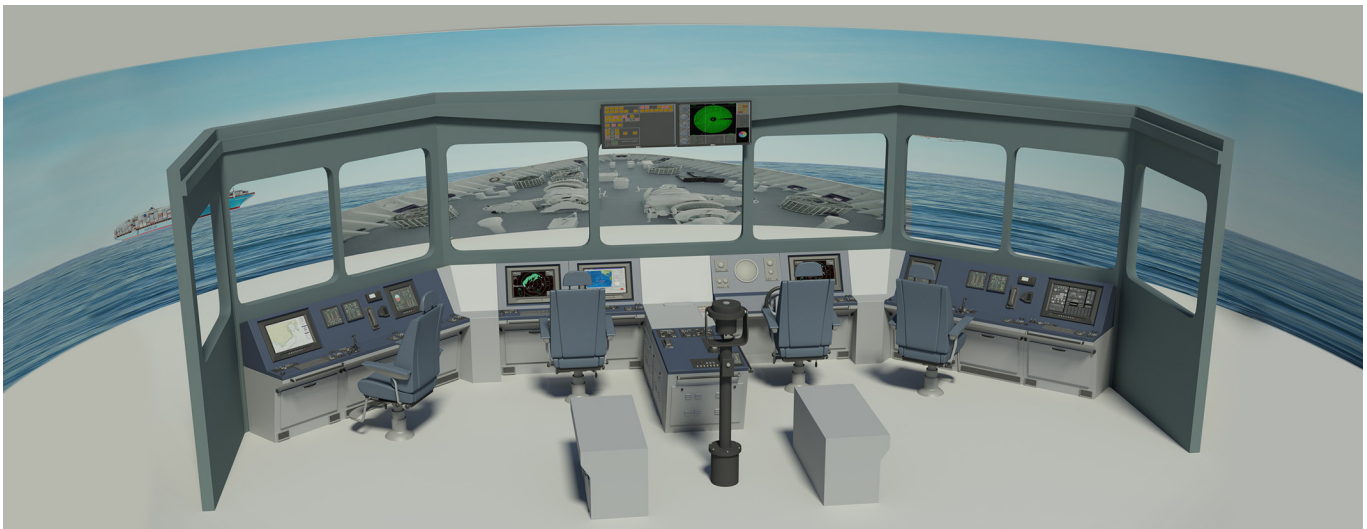
Experienced Team

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:

- Swedish Naval Warfare Training System - Comprehensive, simulation-based system that includes simulation software, hardware, wargaming consoles, and instructor operator stations that are being used to train and educate Swedish Navy sailors and officers in naval tactics, procedures and doctrine;
- Engineering support for the Iroquois-Class Destroyers and Canadian Frigate program, under subcontract to Lockheed Martin Canada, for the Royal Canadian Navy;
- Action Speed Tactical Trainer (ASTT) - Anti Submarine Warfare for the Indian Navy;

- Maritime Wargaming System (Poseidon) for the Indian Navy;
- Maritime Command Operational Information Network, under subcontract to MDA, for the Royal Canadian Navy;
- Motion Control Simulator 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 operating in antisubmarine, anti-surface warfare and search and rescue roles for the U.S. Navy, Royal Canadian Air Force, United Kingdom Royal Navy, Italian Navy and German Navy.



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