

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



## Overview

CAE 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 is located in Taweelah with future plans to connect to other distributed sites. The purpose-built NDCTC facility features a range of integrated ship simulation-based training suites, as well as maritime aircraft sensor stations to 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 delivering a complete solution, having undertaken an overall assessment of training needs through a comprehensive training needs analysis (TNA).

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

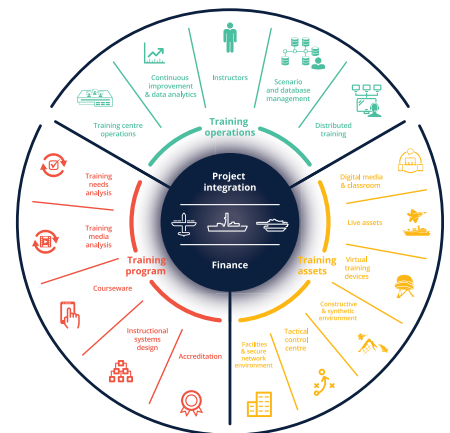
The state-of-the-art UAE NDCTC houses an impressive suite of simulators and reconfigurable consoles representing various ship types and a range of ship systems and subsystems, including combat management systems, sensors, and weapons systems. The simulation suites are networked to provide team and multi-ship training in a whole ship configuration. The result is a fully integrated naval training system that will 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 using CAE's Naval Combat Systems Simulators (NCSS)
- 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 training system that includes simulation software, hardware, wargaming consoles, and instructor operator stations that are being used to educate Swedish Navy sailors and officers in naval tactics, procedures and doctrine;
- Canadian Surface Combatant (CSC) - subcontracted to Lockheed Martin for Human Factors Engineering, and the provision of Training Systems Integration centred on the ship's combat systems;
- Engineering support for the Royal Canadian Navy's Halifax Class Modernization project under subcontract to Lockheed Martin including software development for the CMS-330 Combat Management System and associated training systems;
- Action Speed Tactical Trainers (ASTT) for the Indian Navy and the Qatar Emiri Naval Forces;
- Maritime Wargaming System (Poseidon) for the Indian Navy;
- Naval Operational Software Systems (NOSS), 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;
- Design and manufacture of Bridge Part-Task Trainers for the United States Navy Littoral Combat Ship, delivered by Xebec, a Joint Venture between CAE USA and Pinnacle Solutions;
- Provision of a Maritime Integrated Training System (MITS) for the United States Army, delivered by Xebec, a joint venture between CAE USA and Pinnacle Solutions;
- Design and manufacture a Bridge Part Task Trainer for the Royal Saudi Naval Forces for their Multi-Mission Surface Combatant (MMSC), delivered by Xebec, a joint venture between CAE USA and Pinnacle Solutions;
- Design and manufacture Class "A" and "B" Bridge Simulators for the Egyptian Naval Forces, delivered by Xebec, a Joint Venture between CAE USA and Pinnacle Solutions.

Also, CAE has many years of experience providing training for the rear crews of maritime patrol fixed and rotary-wing aircraft operating in anti-submarine, 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.

### Canada

Tel: +1-613-247-0342  
milsim@cae.com

### Europe

Tel: +49-2402-106-0  
info@cae-gmbh.de

### Asia

Tel: +65 6430 4390  
milsim@cae.com

### Corporate Headquarters

Tel: +1-514-341-6780  
milsim@cae.com

### CAE USA - Tampa, Florida

Tel: +1-813-885-7481  
cae\_usa@cae.com

### CAE USA - Arlington, Texas

Tel: 1-817-619-2000  
cae\_usa@cae.com

### India

Tel: +91-80-2625-6000  
caeindiapvtltd@cae.com

### United Kingdom

Tel: +44 (0) 1444-247535  
cae\_plc@cae.co.uk

### Australia

Tel: +61-2-9748-4844  
caeus@cae.com.au

### Middle East

Tel: +971-2-676-7676  
milsim@cae.com

milsim@cae.com

🐦 @CAE\_Defence

📺 CAE\_Defence

[cae.com/defence-security](http://cae.com/defence-security)

