



# CAE in the United Kingdom

## Overview

CAE is a global leader in training for the civil aviation, defence and security, and healthcare markets. Backed by a 70-year record of industry firsts, we continue to help define global training standards with our innovative virtual-to-live training solutions to make flying safer, maintain defence force readiness and enhance patient safety. We have the broadest global presence in the industry, with over 8,500 employees, 160 sites and training locations in over 35 countries. Each year, we train more than 120,000 civil and defence crewmembers and thousands of healthcare professionals worldwide. CAE has established regional operations in key markets around the world to better serve customers from a local base while still leveraging the global breadth and capability of the entire company. One of these regional operations is based in the United Kingdom.

## CAE in the UK

As a lead training systems and equipment integrator to the UK Ministry of Defence (MoD), CAE (UK) plc is currently ranked as a key supplier. CAE (UK) provides a range of synthetic training equipment and services and is a leader in the development and application of simulation technologies for land forces. CAE (UK) is committed to supporting the UK Ministry of Defence through the provision of synthetic training solutions designed to offer significant through-life cost savings. CAE's technology and training delivery capabilities are valuable UK-based assets. CAE (UK) is also recognized throughout the UK as a significant teaming partner.

- CAE has the requisite skills and capabilities of a training systems integrator uniquely qualified to offer broad experience encompassing every aspect of training systems integration, a worldwide support footprint and a heritage of unparalleled training technology innovation.
- CAE's portfolio of products includes full-mission simulators, flight training devices and cockpit procedures trainers, part task trainers, reconfigurable flight trainers, rear crew trainers, integrated procedures trainers, 2D laptop and desktop trainers, maintenance training systems, and embedded training systems.

- CAE (UK) is the company's centre of excellence in land training systems and has over 400 land simulators for training in artillery fire control, direct fire gunnery, air defence engagement, situational awareness and target recognition.
- CAE is qualified to handle all land-based modelling, simulation, training and mission rehearsal needs from stand-alone applications to the networking of advanced weapons simulators. CAE (UK) has earned its reputation as a leader in weapons, vehicle and communications simulation.
- The Royal Air Force (RAF) and Royal Navy (RN) entrust CAE (UK) with the training of their aircrew in disciplines ranging from basic flying skills to the most advanced mission rehearsal.

## Current Defence Programs

### Air Systems

- Medium Support Helicopter Aircrew Training Facility (MSHATF) at RAF Benson;
- Royal Navy Merlin full-mission simulator, tactical mission trainer and through-life support;
- Royal Navy Lynx Mk8 full-mission simulators, Lynx cockpit procedures trainer (LCPT) and systems based trainer (SBT);
- Royal Navy Sea King full-mission simulator support;
- C-130J Hercules full-mission simulators, flight training device, maintenance part task trainers and fuselage trainer;

- Hawk Mk128 advanced jet trainer (AJT) full-mission simulators for the UK Military Flight Training System (UK MFTS) program located at RAF Valley;
- Royal Navy rear crew training at RNAS Culdrose under MFTS.

### Land Systems

- Warrior IFV turret gunnery trainer;
- Warrior desktop turret trainer common instructor operating station and scoring system;
- Training and resource activity capture system (TRACS);
- CAE INFRONT artillery indirect fire trainer;
- Warrior OPV trainer, BGTI and digitisation;
- Combined arms tactical training (CATT) Afghanistan database;
- UK VISSIM – Air traffic control trainer; trade training flight simulator;
- UK recognition trainer;
- Netherlands Army and Marines CAE INFRONT indirect fire trainer;
- Belgium CAE INFRONT, contractor logistics support;
- Austria Leopard 2 gunnery trainer.

Your worldwide training partner of choice



## Medium Support Helicopter Aircrew Training Facility

CAE's Medium Support Helicopter Aircrew Training Facility (MSHATF) at RAF Benson provides synthetic training for RAF Chinook, Puma and Merlin helicopters covering the full spectrum from basic aircraft conversion to mission rehearsal, pre-deployment and operational training. The facility has three Chinook, two Merlin and one Puma full-mission simulators, with capacity to accommodate new aircraft types.

## RNAS Culdrose

At RNAS Culdrose, CAE (UK) supports the full range of training devices for the Merlin and Sea King. These include the full-mission simulator, cockpit procedures and rear crew trainers. CAE (UK) is also undertaking a major upgrade to the Merlin Mk1 under the Merlin Capability Sustainment Program. CAE (UK) is subcontracted to maintain and support updates to the CAE manufactured training devices for the Royal Navy Merlin HM Mk1. These devices are installed in the Merlin training facility at RNAS Culdrose and are a part of 824 Naval Air Squadron. CAE provides the Royal Navy rear crew training devices under UK MFTS (Phase 1), and CAE (UK) also provides support for the UK MFTS tactical mission trainer on the King Air 350 Avenger aircraft.

## RNAS Yeovilton

CAE (UK) provides contractor logistic support (CLS) and post design support (PDS)

services at RNAS Yeovilton and maintains the Lynx Mk8 full-mission simulator, designed and manufactured by CAE. CAE also supports the Royal Navy Sea King, Lynx Mk3, and in the past, the Sea Harrier. Recently, CAE have completed a major upgrade to the Lynx Mk8 full-mission simulator by adding the latest CAE Medallion-6000 visual system. CAE also delivered and maintains two new Lynx Mk8 training devices - the Lynx cockpit procedures trainer (LCPT) and the Lynx systems-based trainer (SBT).

## RAF Brize Norton

At RAF Brize Norton CAE supports C-130J synthetic training equipment for ab-initio, conversion, refresher, continuation, tactical and maintenance training. CAE is responsible for the maintenance and support services of two dynamic flight simulators, a flight training device, a maintenance part task trainer, air loadmaster rear cabin trainer and computer based training (CBT) suite. The flight simulators and flight training device have been upgraded to the latest standard of CAE Medallion image generator, enabling crews to train on a wide range of worldwide terrain databases, generated by CAE using the common database (CDB) standard.

## Fast jet, multi-engine and rotary training

CAE (UK) delivers training for fast jet, multi-engine and rotary wing aircraft. Capabilities range from full flight simulation to deployed training. Under the UK Military Flight Training

System (UK MFTS) program, CAE UK provided the new Hawk advanced jet trainer full-mission simulators located at RAF Valley. Under the MFTS, CAE (UK) also provides the Royal Navy rear crew training devices at RNAS Culdrose.

## Warrior IFV direct fire trainer

CAE designs, manufactures, and supports a range of simulators to meet all direct fire training needs. CAE (UK) has developed and delivered a total of 36 Warrior IFV gunnery turret trainers (WRGTT) to the British Army. CAE solutions provide progressive training for basic gunnery, crew and turret skills with fully interactive training at the troop/platoon level in a realistic simulated operational environment. CAE's family of direct fire trainers covers the full range of training devices, from stand-alone desktop gunnery trainers through fully instrumented tank simulators that can be operated individually or in networks.

## CAE INFRONT indirect fire trainer

CAE (UK) has delivered three 24-seat classroom CAE INFRONT 3D trainers to the Royal School of Artillery in Larkhill and five Warrior OPV full-mission trainers to AS90 Regiments in UK and Germany. CAE INFRONT 3D is a field-proven, instructor-led, computer-based training system that provides initial and continuation training for forward observation officers (FOOs) and forward air controllers (FACs) in the delivery of artillery fire, mortar fire and close air support onto a variety of targets.

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