

CMS-1 Scalable Combat Management System

Working to become a dependable partner of choice

At the heart of the mission system, BAE Systems Insyte delivers state-of-the-art naval command & information system solutions, giving customers the knowledge to command and the information to decide.

CMS-1 provides the warship command with all the functionality it needs to operate the ship. It is fully scalable for all warship classes and its open architecture, based on commercial hardware and software, allows for easy upgrade and support.

Developed for the Royal Navy's Type 45 Destroyers, CMS-1 is also fitted to the HMS Clyde Offshore Patrol Vessel (Helicopter) and Royal Fleet Auxiliary ship Argus. It draws on the proven functionality developed for the Royal Navy's Type 23 Frigate and the Republic of Korea's Navy Destroyer programme.

CMS-1 will be supported in service with the Royal Navy for at least the next three decades, and a programme of technology refresh and capability insertion will enable its functionality to develop, meeting future requirements.

Incorporating a gun fire control system and data link capability, CMS-1 supports planning, tactical picture compilation and decision-making as well as weapon control. Third party applications can also be integrated to enhance capability.

Functionality

CMS-1 is suitable for all warships from patrol vessels to aircraft carriers. The level of functionality delivered by CMS-1 is scalable according to the demands of the individual platform, and includes:

- A wide range of planning tools includes:
 - Tactical picture compilation
 - Full situation awareness
 - Threat evaluation and weapon assignment (TEWA)
 - Hard kill/soft kill co-ordination
 - Kill assessment and re-planning
 - Navigation and blind pilotage
- Weapon direction and control, removing the need for separate sensor and weapon control positions in the operations room
- Asset management and aircraft control functions for Link 16 capable vessels
- Encyclopaedic database support
- Support for web-based browser facilities for non-realtime data from third party subsystems
- Comprehensive built-in, on-board training facilities.





System configuration

CMS-1 is a fully distributed system hosting real-time applications, enabling recovery of mission critical data from tactical databases if the need arises.

The system has been designed for ease of use, and builds on extensive research into operator workload and ergonomic design. The user interface through multi-function consoles can be configured to perform any operator role, and distributed around the ship to support local tasks.

The scalable architecture fits the performance requirements of all platforms.

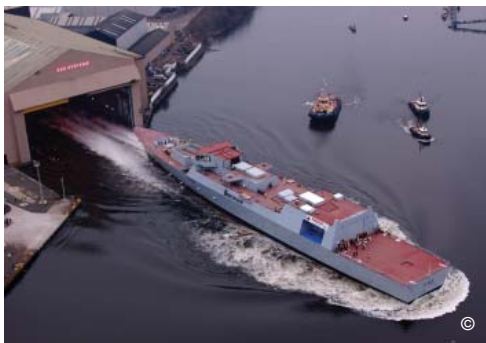
Pedigree

Warfighting experience has shaped the development of CMS-1. BAE Systems Insyte's strength in command & information systems includes interfaces to a wide range of combat system equipment, and leading European and US weapon systems.

CMS-1 supports NATO and other coalition operations, and Insyte is participating in programmes to enhance the network enabled capabilities of its sensors and command systems on a number of platforms.

Designation

CMS-1 is BAE Systems Insyte's generic designation for its combat management system in the world marketplace. The range of functionality provided within CMS-1 is different for each application according to the end user requirements and platform needs.



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