



SEA CEPTOR

ALL-WEATHER AIR DEFENCE WEAPON SYSTEM

Sea Ceptor is the latest generation naval air defence weapon system, providing protection of host platform and escorted shipping out to 25km+.

Through the use of new advanced technologies, Sea Ceptor provides complete protection against all known and projected air targets. The weapon system is now in full-scale production for the UK MOD as the principal air defence capability for the Royal Navy Type 23, Type 26 and Type 31 frigates, as well as for several other navies.

Sea Ceptor uses the same Common Anti-Air Modular Missile (CAMM) that is entering service with the British Army for Ground-Based Air Defence, demonstrating the benefits of a common stockpile and delivering through life cost efficiencies.

The Sea Ceptor system delivers Local Area Air Defence capability for new and existing ships without complex platform sensor integration thanks to its fully active architecture.

Operational advantages

- All-weather local area air defence of host platform and protected assets out to 25km+
- Fully active architecture allows high rate of fire against multiple simultaneous targets and the ability to defeat saturation attacks
- High system performance against the full naval air target set including manoeuvring, low-signature targets in high level countermeasure environments, plus the ability to engage small high-speed surface craft
- Soft vertical launch technology gives 360° coverage in all launch sectors with very good close range performance and minimum launch signature
- Compact missile allows for high weapon loadout with minimal platform space requirements
- Minimal logistics support and maintenance requirements enable through-life cost savings



Product key features

- Fully active architecture using advanced digital seeker combined with datalink target updates to deliver exceptional missile accuracy and single shot kill probability.
- Multiple channels of fire are available from weapon command and control system to defeat raids of anti-ship missiles.
- Sea Ceptor does not need dedicated tracking or fire control radars, it can work with all modern 3D radars.
- Robust two-way RF data link provides 360 degree coverage. In addition to the in-flight target updates, the downlink reports missile status.
- Soft Vertical Launch (SVL) and missile turnover provide exceptional short range performance.

Platform integration

- The Command and Control System is designed to enable flexible integration with both new and existing naval combat management systems.
- Sea Ceptor can be configured to either operate as an independent single tier air defence capability, or to operate as part of a multi-tier air defence system.
- Can be used with a variety of surveillance sensor systems.
- Compact size and low weight enable high weapon loadout in a small volume, enabling it to be fitted to a wide range of platforms, ranging from 50m OPVs to frigates and destroyers.
- SVL eliminates the need for exhaust gas management within the vertical launch module and reduces launcher maintenance.
- Fully developed for use with the Mk41 family Extensible Launcher System (ExLS) in a flexible range of configuration options. CAMM missiles can be quad packed within a single cell.

Technical characteristics/specifications

Weight:	99kg
Length:	3.2m
Diameter:	166mm
Range:	25km
Speed:	Supersonic

