

SEA CEPTOR

Vertically-launched,
all-weather air defence
weapon system



Surface-to-Air Missile: Make in India

For navies looking for a vertically-launched, high performance, surface-to-air missile system to provide air defence on their frontline ships, Sea Ceptor, capable of dealing with multiple targets simultaneously, offers an ideal solution. If selected by India, this system would be delivered to the Indian Navy by L&T MBDA Missile Systems Limited ('L&T MBDA'), the joint venture set up between the international engineering conglomerate Larsen & Toubro and MBDA, Europe's leading missile and missile systems company.

Highly compact (thanks to soft launch technology) and not reliant on dedicated fire control radars, Sea Ceptor is ideal for retrofits as well as new-builds.

Apart from its clear operational advantages, Sea Ceptor will provide the Indian defence sector with all the benefits associated with supplying and maintaining the latest generation surface-to-air technologies to the Indian Armed Forces.

Sea Ceptor is the latest generation, ship-based, all-weather, air defence weapon system, based on the Common Anti-air Modular Missile (CAMM).

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's Type 23 and Type 26 frigates.

Sea Ceptor will protect both the host ship and high value units in the local area. The weapon system has the capability to intercept and thereby neutralise the full range of current and future threats, including combat aircraft and the new generation of supersonic anti-ship missiles. Capable of multiple channels of fire, the system will also counter saturation attacks.

Sea Ceptor was fielded in 2017 as a replacement of VL Seawolf for the remaining life of the Type 23s, after which it will equip the Royal Navy's Type 26 Global Combat Ship. The Sea Ceptor Defence System will deliver significantly greater capability at a reduced cost.

- Utilises the Common Anti-air Modular Missile (CAMM)
- High rate of fire against multiple, simultaneous targets
- Soft Vertical Launch technology for minimum launch signature and high performance
- Vertical launch enabling 360° coverage in all launch sectors
- Compact missile allows for multiple weapons fit in limited spaces
- Compatible with any surveillance sensor for targeting
- Wide air target set, plus the ability to engage small naval craft
- All-weather active RF seeker
- Two-way data link between the missile and launcher
- Designed for third-party targeting
- Minimal logistics support and maintenance required



Sea Ceptor can be easily retrofitted into a wide range of platforms, ranging from 50 m OPVs to frigates and destroyers. Two main features provide this flexibility. Firstly, the use of 'soft-launch' weapon technology for a compact launch system that can easily be installed in a number of locations. Sea Ceptor can be targeted from the ship's existing surveillance radar and therefore does not require dedicated fire control radars.

Sea Ceptor operates quad-packed from Mk41 VLS, ExLS and from other launchers in a flexible range of configuration options. The Soft Vertical Launch technology reduces system mass and eases installation. The Command & Control System is designed to enable rapid integration with both new and existing naval combat systems.

Sea Ceptor can be configured to either provide the full functionality to operate as an independent air defence capability or to operate as an integrated layer within a higher command & control architecture hosted on the ship's Combat Management System.

Operational characteristics:

- Broad target set including high speed, manoeuvring, low signature targets in high level countermeasure environments
- Can be used with a variety of surveillance sensor systems
- 360° coverage from Soft Vertical Launch

Missile characteristics

- Weight: 99 kg
- Length: 3.2 m
- Diameter: 166 mm
- Range: In excess of 25 km
- Speed: Supersonic



L&T MBDA Missile Systems Limited is a Joint Venture of Larsen & Toubro Limited and MBDA

L&T MBDA Missile Systems Limited

L&T Gate No-1, G4 Building, 2nd Floor, Saki Vihar Road, Powai Campus, Mumbai 400072. INDIA
Ph: +91 22 67054986 Fax: +91 22 67051480 Email: enquiry@Lntmbda.com www.Lntmbda.com

Registered Office: L&T House, N. M. Marg,
Ballard Estate, Mumbai - 400 001. INDIA
CIN: U29308MH2017PLC293402