



## SEA CEPTOR

Vertically-launched,  
all-weather air defence  
weapon system

### Surface-to-Air Missile system: 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 (LTMMMSL), a joint venture between the international engineering conglomerate Larsen & Toubro and MBDA, Europe's leading missile and missile systems company.

The System is highly compact, Thanks to Soft Vertical Launch (SVL) 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 Armed Forces 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 naval air defence weapon system, providing robust protection of host platform and escorted shipping up to range in excess of 25 km

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 weapon system was accepted into service with the Royal Navy's Type 23 Frigates in 2018 and will be entering service with several other nations over the next few years.

- High rate of fire against multiple, simultaneous targets
- Soft Vertical Launch technology for minimum launch signature and high performance
- 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
- 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.

### Soft Verticle Launch Technology

A form of cold launch called Soft Vertical Launch (SVL), missile is ejected from its self-contained canister using a gas charge and the main-motor is not fired until it has achieved safe clearance from the ship. SVL provides improved performance and safety over conventional - Hot vertical launch, giving full 360° coverage

### Versatile integration with CMS

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 (CMS).

### 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 with Soft Vertical Launch

### Missile characteristics

- Weight: 99 kg
- Length: 3.2 m
- Diameter: 166 mm
- Range: In excess of 25 km
- Speed: Supersonic
- Self Contained Launch Canister
- Insensitive Seeker



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

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