

#TheDecisiveEdge



L&T Precision Engineering and Systems



INTERCEPTOR BOATS

Sentinels of the seas

THE DECISIVE EDGE across the spectrum

L&T PES – a leading Indian private-sector developer and producer of armaments and allied equipment and systems – is a part of Larsen & Toubro, a multi-billion-dollar Indian multinational engaged in EPC Projects, Hi-Tech Manufacturing and Services.

The business provides design-to-delivery solutions for defence equipment, fully-integrated platforms and autonomous systems for deployment across land, sea and air – delivering the decisive edge across the spectrum.

Interceptor Boats

L&T's high-speed Interceptor Boat is designed to meet the stringent requirements of defence and law enforcement agencies. These include round-the-clock coastal patrolling, surveillance, high-speed interception and search-and-rescue operations.

Operating with twin water jet systems, this aluminium planing vessel has excellent manoeuvrability and acceleration. The boat can survive up to sea state 6. The boat has good sea-keeping quality and a high level of dynamic stability, even at high speeds. The interceptor boat's features ensure high operational availability and low system redundancy.

Key features

- Lightweight, compact design enables shallow-water operations
- Integrated bridge controls for operational ease
- Hi-resolution electro-optical camera for day-night surveillance
- 4.7 m rigid inflatable boat for quick SAR operations
- X-band radar with ARPA tracking
- 12.7 mm heavy machine gun and 7.62 mm light machine gun

Specifications

- Length (overall) : 27.42 m
- Breadth (max.) : 6.62 m
- Draft (max.) : 1.41 m
- Deep displacement: Approx. 110 T
- Max. speed : 45 knots
- Range : 500 miles at 20 knots
(with 25% reserve fuel balance)
- Endurance hours : 24 hours, logistically sustain for 72 hours
- Capacity : 13 crew members and space for
10 detainees / passengers

Designed to defend

L&T shipbuilding's design capabilities span the entire design lifecycle, including basic design, detailed design and production drawings. The boat is wholly-designed at our state-of-the-art Design Competency Centre which is equipped with the latest software and high-end graphic work-stations, wired together on a stand-alone gigabit network for security and speed.

This is in line with global trends for the execution of complex projects before realisation, in order to optimise layouts, resolve interferences and complete visualisation.

The data and documents related to the project are captured at the design stage itself in the Product Lifecycle Management software. This serves as a single-point Master Reference Database for the entire project, including all drawings, documents, correspondence, inspection reports, etc.



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Shipbuilding Business

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The company does not manufacture any explosives or ammunition of any kind, including cluster munitions or anti-personnel landmines or nuclear weapons and also does not customise any delivery systems for such munitions.

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