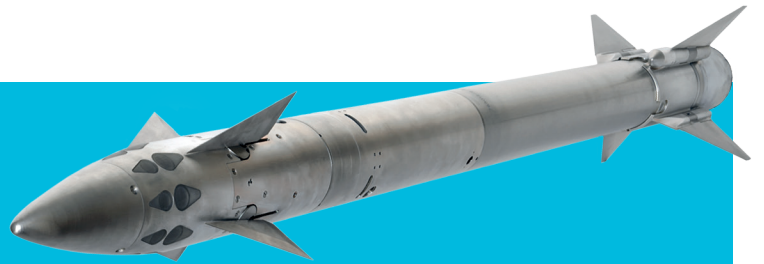


NAVAL APPLICATIONS

Threats encountered in the maritime environment today are often typically highly mobile craft with small target signatures, in a cluttered environment.

This requires a very different kind of missile.....



PRECISION STRIKE

LMM

Lightweight Multirole Missile





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LMM

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APPLICATIONS

LMM is a lightweight, precision strike, missile, which has been designed to be fired from a variety of lightweight, tactical platforms.

The maritime environment creates a major challenge to conventional missiles in engaging FIAC (Fast In-shore Attack Craft) threats, due to their high mobility, small signature, and the severe background clutter.

The missile, sealed in its canister, consists of a two stage motor, warhead and dual mode fuze, together with guidance electronics and a highly accurate control actuator system. The fragmenting shaped charge warhead provides excellent proven lethality against a wide range of conventional and asymmetric threats. In the naval domain the system can specifically destroy threats ranging from FIACs to small ships as well as UAVs and maritime helicopters.

The Stabilised Electro-Optics provides high-resolution IR and TV sensors and a Laser Rangefinder. The unique LMM laser guidance beam is generated from a sophisticated Laser Transmitter Unit (LTxU) which projects low power coded signals direct to the LMM in flight.

LMM possesses excellent lethality against conventional and asymmetric threats including APCs, wheeled and tracked vehicles, because of the shaped charge coupled with the pre-fragmented blast warhead, matched with the highly sensitive proximity fuze.

FEATURES & BENEFITS

- Thales has identified 3 potential configurations for the maritime environment:
 - LMM weapon system customised for integration on a fast patrol boat
 - An all-in-one weapon system for larger naval platforms
 - A hybrid missile/gun system composed of LMM integrated with naval guns
- Immediate launch capability - no seeker cool down
- 'Soft' launch for release from lightweight platforms
- Fully controlled engagement using multi-mode secure guidance
- Fire on the move capability
- Automatic cut-down capability for missile in flight, thereby preventing fratricide
- Covert, reactive and flexible
- Highly accurate precision strike with low collateral damage
- Rapid re-engagement to defeat swarm threats

SPECIFICATIONS

- Lightweight 13 kg
- Greater than Mach 1.5 velocity
- No launch recoil
- Operational range > 6 km
- Combination warhead with shaped charge penetrator and pre-fragmented blast warhead with matching proximity fuze
- Maintenance free - hermetically sealed launch tube

