

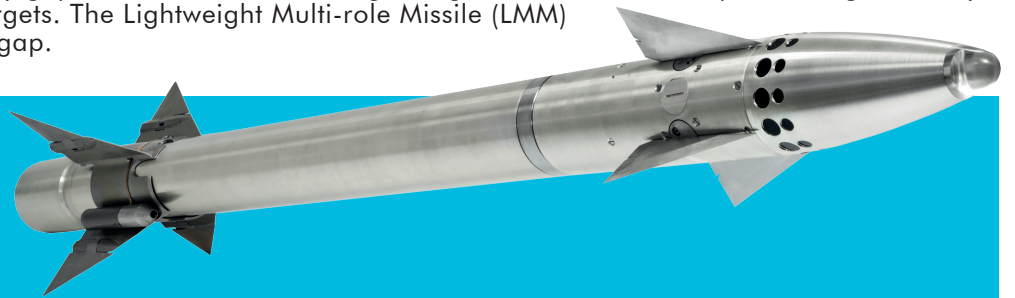
AIR LAUNCHED APPLICATIONS

It is recognised that a capability gap exists for a multi-role lightweight missile which can provide high lethality against the full spectrum of targets. The Lightweight Multi-role Missile (LMM) system satisfies this capability gap.

PRECISION STRIKE

LMM

Lightweight Multi-Role Missile





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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.

Integrated onto a helicopter platform, the system can specifically destroy threats from small ships and fast inshore attack craft or threats from light aircraft, UAVs or micro-lites. Thales is developing LMM, for the UK MoD Future Anti-Surface Guided Weapon Light requirement.

This programme will deliver a stand off weapon effect for the Wildcat helicopter. A five pod missile launcher will be integrated for the FASGW(L) requirement however different launcher configurations for the LMM Weapon System are available dependent on the application.

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 missile has different guidance modes including laser beam riding and/or laser designation to ensure precision attack of targets with man-in-the-loop or automatic guidance. The fragmenting shaped charge warhead coupled with the laser proximity fuze provides excellent lethality against a wide range of targets. This is achieved with low collateral damage which is essential in built-up and urban environments.

LMM guidance is provided via the optical tracker system fitted to the launch platform. This guidance unit is contained within an optically stabilised mount which normally comprises CCD and thermal cameras coupled with an automatic target tracker (ATT) and the missile laser guidance unit.

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

- Multi-role capability for light and heavy platforms:
 - Ground to ground
 - Air to ground
- 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
- Very fast re-engagement
- Compatible with existing semi-active laser designators and laser beam-riding systems

MISSILE SPECIFICATIONS

- Lightweight 13kg
- Greater than Mach 1.5 velocity
- No launch recoil
- Operational range >8km
- Combination warhead with shaped charge penetrator and pre-fragmented blast warhead with matching proximity fuze.
- Maintenance free - hermetically sealed launch tube

