GROUND TO GROUND 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 potential targets. The Lightweight Multirole Missile (LMM) system satisfies this capability gap.
PRECISION STRIKE

LMM
Lightweight Multirole Missile

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

The system is designed to provide a rapid reaction to a wide range of surface threats from wheeled or tracked vehicles, towed artillery or static installations.

The accuracy and effect of the LMM concept has been demonstrated against a wide range of ground targets with minimum collateral damage.

Thales has performed preliminary integration of LMM onto various gun systems and Remote Weapon Stations (RWS) thus increasing the defensive capability of Armoured Fighting Vehicles (AFV), light 4x4 vehicles and fixed installations.

A two man portable launcher can also be fitted to flatbed vehicles offering an agile and rapidly deployable solution.

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 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
- Immediate launch capability - no seeker cool down
- ‘Soft’ launch for release from lightweight platforms
- Fully controlled engagement using 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 laser beam-riding systems

MISSILE 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

LMM LAND TARGET SET

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