



ATGM5

Fifth-generation, multi-target land combat weapon for infantry and mechanised forces



ATGM5

In land combat and urban warfare, one of the main weapons contributing to the success of both, offensive and defensive operations, is an ATGM (Anti-Tank Guided Missile) system. However, existing generations of ATGMs are not best suited to deal with the latest developments of ever-more mobile and better-armored vehicles, asymmetric threats such as snipers concealed behind a wall, or terrorists launching a suicide attack with an explosive-laden vehicle.

ATGM5 is able to take out a range of targets in complex scenarios with the highest precision, and also able to fire in co-ordination with other deployed battlefield assets in a network-enabled battlefield environment.

ATGM5 can be launched from



Man portable firing post



Wheeled or tracked armoured vehicles



Armoured personnel carriers (APC)



The fifth-generation land and urban combat ATGM weapon system in full series production

ATGM5 is being designed based on the architecture of the AKERON MP missile. The effectiveness of such a next-generation ATGM has been recognized by the French army, who implemented the MBDA fifth-generation ATGM weapon, for dismounted firing post deployment in a wide range of operational theatres, from high mountain altitudes to desert conditions, and has validated it for mounted operation for the French Army's next generation infantry reconnaissance vehicle. In terms of its operational capability and unique range of features, Akeron MP has placed a significant distance between itself and the previous generation ATGMs.

AKERON MP is combat-proven and qualified in extremes of climate (desert and sub-arctic conditions). The system's design includes the growth potential necessary for a future family of missiles for modern land combat. ATGM5 shares the same architecture as AKERON MP and is being developed as an IDDM product in India.





L&T MBDA Missile Systems Limited and the ATGM5 programme

MBDA, a world leader in missile systems, joined with Larsen & Toubro, India's multinational engineering conglomerate and private sector defence major has set up a joint venture (JV): L&T MBDA Missile Systems Limited (LTMMMSL). LTMMMSL is committed to supporting the Government of India's drive towards the indigenization of the defence sector under the Make in India initiative, and to create a robust industrial eco system for the integration of missiles in India, across a wide spectrum of advanced technologies.

LTMMMSL has a clear vision regarding the development and manufacture of ATGM5 in India, as this fifth-generation weapon or family of weapons matches the requirements and specifications of the Indian Armed Forces.

LTMMMSL is committed to ensuring that India will have the highest level of operational independence in the use of an ITAR- free missile.

Highest level of operational independence in use of an ITAR-free missile





ATGM5: Specifications

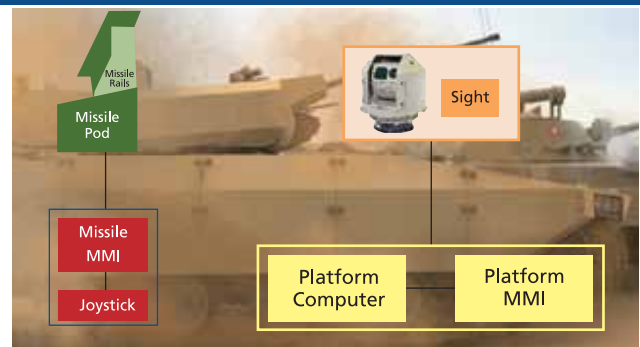
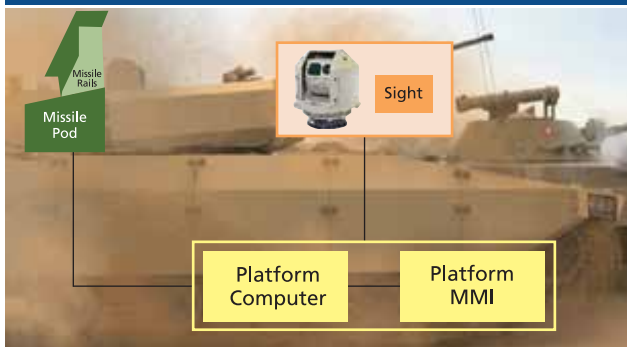
ATGM5 owes its unmatched capabilities to a range of disruptive, fifth-generation technologies:

- **Lightweight weapon: 15 kg class**
- **Range: In excess of 4,000 m in all conditions**
- **State-of-the-art technologies:**
 - High precision autonomous guided missile
 - High resolution imaging seeker in two bands: Colour TV/Uncooled IR
 - High precision inertial measurement unit
 - Fibre-optic two-way data link (unjammable, high speed)
- **Two firing modes with man-above-the-loop (via real-time seeker imagery):**
 - Lock-On-Before-Launch (LOBL)
 - Lock-On-After-Launch (LOAL)
- **Beyond line-of-sight engagement capability through third party designation**
- **Selectable trajectories**
 - Direct attack
 - Top attack
- **Latest generation multi-purpose tandem warhead**
 - Anti-heavy armoured platform capability
 - Anti infra and craft for maximum blast and anti-personnel effect
- **Two-stage main propulsion system with soft launch and smokeless characteristics**
- **Maintenance-free missile (more than 10 years)**
- **Vehicle integration options:**

Centralised Integration

Standalone Integration

Work already in progress on Indian platforms.



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

L&T MBDA Missile Systems Limited

L&T Gate No.1, North Block -1, 2nd floor, Saki Vihar Road, Powai, Mumbai - 400 072, India
Ph: +91 22 67054986 Fax: +91 22 67054795, Email: enquiry@Lntmbda.com www.Lntmbda.com

Registered Office: L&T House, N. M. Marg, Ballard Estate, Mumbai - 400 001. INDIA
CIN: U29308MH2017PLC293402