



# ATGM5

Fifth-generation, multi-target land combat weapon for special operations



## 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-armoured vehicles. Asymmetric threats such as snipers concealed behind a wall or terrorists launching a suicide attack with an explosive-laden 4x4 vehicle.

A modern ATGM needs to be able to take out a range of targets in complex scenarios, firing needs to be possible by using 3D target designation provided by a third-party or by the platform itself to ensure not only the highest precision, but also firing coordination with other deployed battlefield assets in a network-enabled battlefield environment.

### ATGM5 can be launched from



Man portable Firing post



Wheeled or Tracked Infantry Vehicles



Armoured personnel Carriers (APC)



Inflatable Boats



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

The need for such a next-generation ATGM has been recognized by France, which is now taking delivery of MBDA's MMP fifth-generation ATGM weapon. Already qualified for dismounted firing post deployment in a wide range of operational theatres, from high mountain altitudes to desert conditions, MMP will be validated very shortly for the French Army's next generation infantry reconnaissance vehicle. In terms of its operational capability and unique range of features, MMP has placed a significant distance between itself and the fourth and third generation ATGMs currently in service or being marketed.

MMP is operationally tested and proven 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.

MMP also provides solutions for maritime operations ranging from force protection to special operations. Its firing post inserts into suitably positioned mounts easily retrofitted onto naval platforms.

These include; Rigid Hulled Inflatable Boats (RHIBs) and other small craft, as well as onto large surface combat vessels.







## ATGM5 - a true game changer

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

- New generation passive dual-band seeker (colour TV and uncooled IR)
- New generation, multipurpose tandem warhead
- Smokeless propellant providing stealthy firing
- Maintenance-free missile (more than 10 years)







## 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 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 ATGM5 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.

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

ATGM5 will not only offer India's mounted and dismounted forces with the very best weapon in its class, it will also offer significant opportunities for the export market.

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

Significant opportunities  
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## ATGM5: Specification

- **Lightweight weapon system** (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
  - MEMS inertial reference
  - Fibre-optic two-way data link (unjammable, high speed)
- **Two firing modes with man-above-the-loop (real-time back seeker image):**
  - Lock-On-Before-Launch (LOBL)
  - Lock-On-After-Launch (LOAL)
- **Beyond Line-of-Sight-Engagement capability through third party designation**
- **Selectable trajectories:**
  - Low altitude with direct attack
  - High altitude with 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**
- **Automatic turret**
  - Stabilised turret
  - Four ATGM 5 missiles ready to fire
  - Missile under protection cover
  - Remote controlled system
  - Dedicated or multi-function console





**MBDA**

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

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