



## MISTRAL ATLAS RC

VEHICLE MOUNTED REMOTE CONTROLLED AIR DEFENCE SYSTEM



**MISTRAL ATLAS RC is a new Mistral launcher based on a remotely controlled turret and can be fitted with two or four Mistral missiles ready to fire. Equipped with the latest generation thermal sight and is capable of being mounted on a variety of vehicles ranging from light (SHERPA or URO VAMTAC ST5) to heavy vehicles (PANDUR, BOXER or STRYKER).**

ATLAS-RC is MBDA's response to the requirement for a weapon system that combines high firepower, short reaction time, day/night surveillance and engagement capabilities. It also offers tactical and strategic mobility, including force protection on the move, resulting in high level crew protection and low-maintenance constraints.

ATLAS RC can be operated in standalone mode, however it is natively designed to be coordinated by a C<sup>2</sup> such as MBDA's LICORNE C<sup>2</sup> through a combat radio network, allowing:

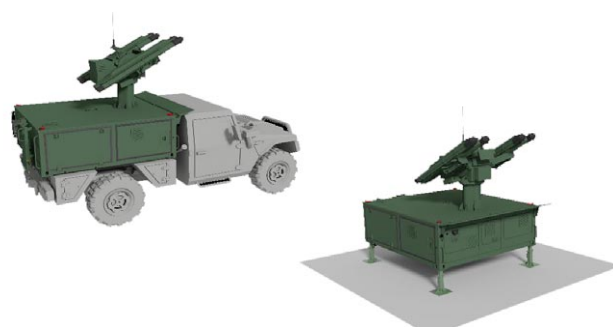
- automatic slaving (azimuth and elevation) of the turret on the target designated by the C<sup>2</sup>.
- automatic data exchanges between the ATLAS RC and the C<sup>2</sup> like the engagement status, kill assessment information, ATLAS RC status, and ammunitions availability.

ATLAS RC, thanks to its simplicity of use, guarantees the full performance of the MISTRAL missile, whatever the target characteristics, high crossing speed, high elevation, very low signature.

ATLAS RC can also be remotely operated at distance for long-term deployment through a dedicated link.

### Operational key features

- Offroad mobility
- High firepower (up to four Mistral ready to fire)
- Low reaction time
- Force protection on the move
- Crew protection
- Reduced operator workload
- Low manpower (two operators: gunner and team leader)
- Coordinated and autonomous modes



### The ATLAS RC module

The solution for high flexibility missions.

- Can be installed wherever – on ground, on roof top for long term deployment
- Can be operated at long distance
- Ready to be integrated to LICORNE C<sup>2</sup>
- ISO standard module



# GROUND BASED AIR DEFENCE

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## Effectiveness

- Unlimited bearing x360°
- Elevation aiming from -10° to +55°
- Equipped with:
  - Infrared thermal sight for day/night operations
  - Inertial measurement navigation unit
  - IFF in option
- High autonomy 24/7
- High mobility
- High firepower, up to four MISTRAL missiles per launcher
- MISTRAL missile information displayed in ATLAS RC terminal
- Operated in coordinated mode as well as in standalone mode
- Integrated tracker to ease the target detection and automatic turret slaving
- High crew protection level
- Low manpower
- Easy to integrate on a wide range of vehicles
- Air transportable on aircraft such as A400M and C130

## Missile characteristics



- Fire-and-forget
- First VSHORAD missile with IR matrix imager
- 20 years lifetime without maintenance
- Over 96% kill probability – demonstrated on operations
- Immune to all known IR countermeasures

**Length:** 1.88m (incl. launch motor)  
**Weight:** less than 20kg  
**Maximum diameter:** ~92mm  
**High manoeuvrability:** up to 30g  
**Interception range:** up to 8,000m  
**Interception altitude:** up to 6,000m  
**Min. interception range:** 500m

- High supersonic speed – short interception time
- 3kg warhead coupled with laser proximity and impact fuze
- Qualified for use in extreme conditions -40°C to +71°C

