



MISTRAL ATAM is based on the MISTRAL missile with its fire-and-forget engagement mode, ease of operation and unrivalled kill probability.

The system is based on two launchers, each bearing two missiles and can be connected to the helicopter's combat system, when mounted on combat helicopters, or through simplified control equipment if installed on multi-purpose helicopters.

In both cases, it is characterised by simplicity of operation, a very low crew workload and a high level of performance.

The system can be operated within the whole flight envelope of the launch helicopter, at speeds of up to 200 knots and at altitudes exceeding 15,000 ft.

MISTRAL ATAM ensures a large off-boresight capability, together with the ability to aim the missile seeker very precisely at a given target.

The missile has a shaped trajectory in order to intercept targets top-down or at long range, the crew can also select the proximity fuze mode.

MISTRAL ATAM is currently the only helicopter mounted air-to-air missile in full operational service. MISTRAL ATAM is operated by the French Army Aviation on the Gazelle and is also in service on the Tiger attack helicopter. Integration onto India's HAL Rudra helicopter is underway.

- **Four ready-to-fire MISTRAL missiles**
- **Unlimited flight envelope**
- **Adaptable to any type of helicopter**
- **In full operational service**

MISTRAL ATAM

**AIR-TO-AIR SYSTEM FOR
HELICOPTERS BASED ON THE
MISTRAL MISSILE**



LAND

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MISTRAL is a lightweight, fully digital, heat-seeking missile, designed to match the requirements of all forces.

MISTRAL has a 96% proven success rate and higher reliability than any other existing low-level air defence missile.

MISTRAL integrates ultimate state-of-the-art technology to ensure the same effectiveness, in peacetime as well as in wartime conditions.

Ease of operation

The lowest possible constraints for crew

- User friendly interface, no pitch-up manoeuvre before firing
- Automated engagement sequence
- Easy reload

Operational effectiveness

- Firing possible within the whole flight envelope (from NOE to 15,000 ft, from hovering to 200 knots)
- Very short reaction time lock-on and interception even in dense clutter
- Large off-boresight capability

Modularity

MISTRAL ATAM can be mounted either on attack helicopters fitted with an integrated combat system (Tigre, Rooivalk) or on lightweight helicopters (Gazelle, Fennec) and utility helicopters (Cougar) as a standalone weapon system.

Name

- MISTRAL ATAM

Missile characteristics

- Weight: 18.7 kg
- Length: 1.86 m
- Diameter: 90 mm
- Maximum Intercept range: 6.5 km
- Minimum intercept range: 500 m

