



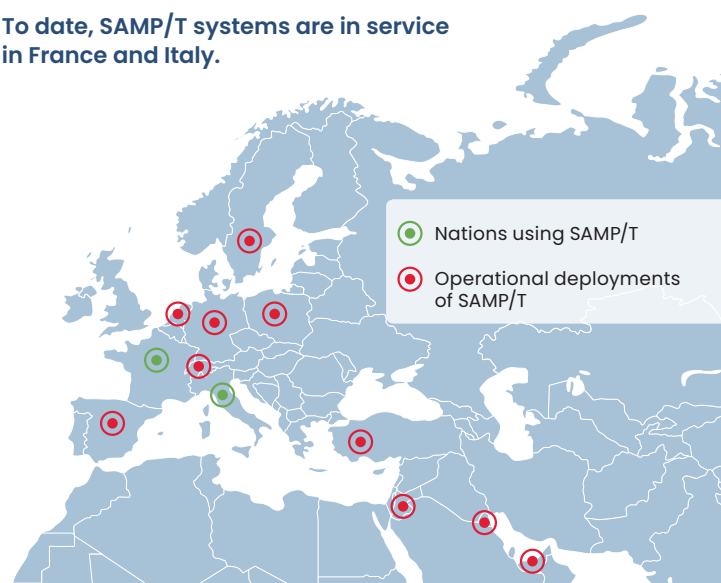
MBDA
MISSILE SYSTEMS

THALES

In operational service, Eurosam systems are fully capable of defeating present and future threats.

EUROSAM is the leading French-Italian Joint-Venture in Europe that designs, produces and sells, long range ground and naval based air defense systems. In 1989 the Joint-Venture was created by MBDA and THALES, European leaders in missiles, systems and radars, endowing it with major expertise in terms of operational requirements for air defense.

To date, SAMP/T systems are in service in France and Italy.



In addition, more than 50 ASTER missile-based systems are in service in 12 armed forces around the world.

© EUROSAM - Designed by: maogami. / September 2021



Mobility

Fast deployment
- Compatible with national roads and Infrastructures.



Interoperability

Easy to integrate into all types of air defense - NATO included.



Mission-proven

Operational deployments for protection of very high value assets and sensitive areas including in conflict area.



Range

Detection ≥ 350 km
Intercept ≥ 150 km



360° protection

Rotating omnidirectional radar 1 turn/ second - Agile missile launched vertically.



Autonomy

No restriction
- Country sovereignty preserved.

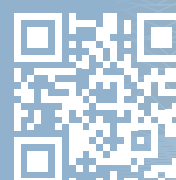
SAMP/T NG



**The New European Long-Range
Ground-Based Air Defense**

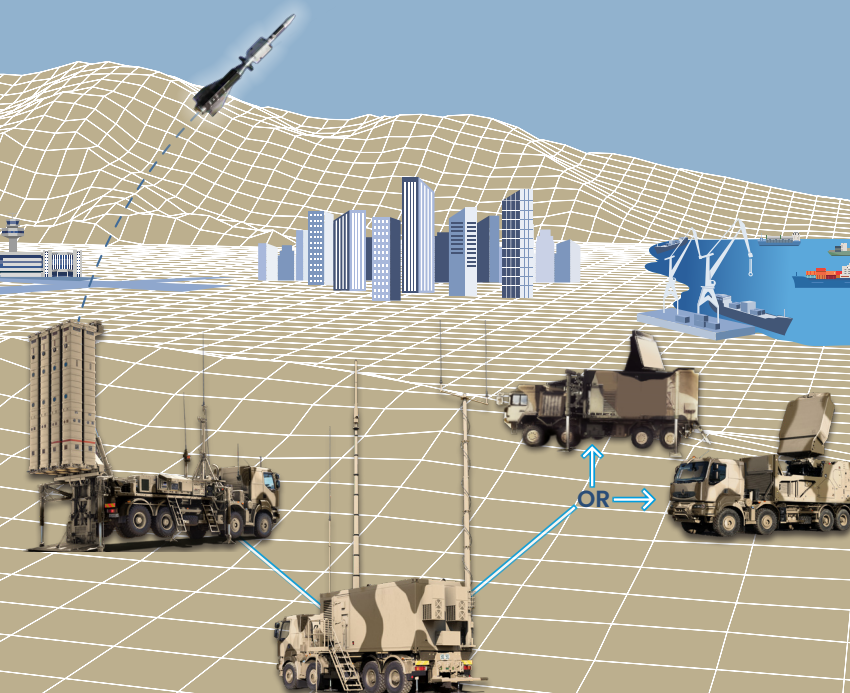
SAMP/T NG

**Global Airspace Sovereignty
Country & Forces Protection**



Centre d'Affaires La Boursidière
Rue de la Boursidière - Bâtiment K
F-92357 Le Plessis Robinson Cedex
Tel: +33 (0)1 41 87 14 14
Mail: communication@eurosam.com

www.eurosam.com



Innovative air defense

SAMP/T NG

Key enabler for Integrated Air and Missile Defense to guarantee airspace sovereignty

SAMP/T NG is the new version of the SAMP/T system today in service in France and in Italy. It will be delivered from 2025. SAMP/T NG is a strategic system that offers an advanced A2/AD (Anti-Access / Area Denial) capability. SAMP/T NG is a game changer guaranteeing air sovereignty as well as protection of the armed forces and sensitive civil or military sites against all current and future threats (cruise missile, ballistic missile, anti-radar missile, UAV, helicopter and aircraft).

Designed to operate in a civilian air environment, the system is capable of cooperating with friendly military aircraft. It is fully integrated into the national air defense network and fully interoperable with NATO/Coalition systems. SAMP/T NG extended engagement capability provides 360-degree protection capable of simultaneously engaging any combination of air and missile threats further than 150 km.

SAMP/T NG battery has four main components:

- Up to 48 Aster missiles ready to fire
- One multi-function radar (GF300 or KGM HP)
- One engagement module (battery C2)
- Up to 6 launchers capable of carrying 8 missiles each

The whole system is mobile and can be operational in less than 30 minutes.

RADAR

Ultimate tactical radar for air surveillance and air defense to protect country

The multi-function radar consists of an AESA antenna based on GaN technology with on the edge signal processing management. It guarantees high probability detection and tracking precision, even in heavy clutter & counter measure environments.

The multi-function radar is able to encamp in less than 15 minutes with only 2 operators. It complies with high mobility requirements either on civilian road, rail infrastructure, in aircraft thanks to its 20 feet ISO container standard size.



**AESA
ANTENNA**



**AIR SURVEILLANCE
DETECTION
≥ 350 KM**



GaN



**AUTONOMOUS MODE
TBM 600+**



**COVERAGE
360° IN AZIMUTH**



**TRACKING CAPACITY
> 1,000 TARGETS**

ASTER

Single missile to defeat all types of threats

ASTER missile covers from short to long-range missions including its self-defense.

During the first part of its mission, ASTER missile is inertially guided using refreshed target data transmitted by the SAMP/T system. A final homing phase is achieved by an electromagnetic active seeker, providing a highly accurate capability in all weathers.

Thanks to the unique combination of aerodynamic control and direct thrust vector control (PIF-PAF), the missile is capable of high G manoeuvres. Together, these features give ASTER an unmatched hit-to-kill capability.



**MAXIMUM SPEED
MACH 4.5**



**RANGE
+150 km**



**FIREPOWER:
8 MISSILES LAUNCHED
IN 10 SECONDS**



**98% OF LAUNCHES
SUCCESSFUL**



**UNIQUE
PIF-PAF™
TECHNOLOGY**

