

Thales Ground Master family of radars celebrates a milestone - 100th deployment worldwide for protection of national airspace

- This September 2021, the Ground Master radar family celebrates its 100th deployment worldwide following a site acceptance test for a Ground Master 400 by the Royal Moroccan Air Force.
- Renown for outstanding reliability, unmatched performance and high mobility, the Ground Master radar family plays a critical role in air surveillance and defence worldwide.
- With its full digital architecture, the Ground Master family detects current and future air threats, at ranges of up to 500km, with superior low altitude detection, including slow moving UAV's.



Thales delivered its 100th radar from the Ground Master family - a Ground Master 400 (GM400) to Morocco end July 2021, under a contract signed in 2019 with the Royal Moroccan Air Force (in addition to a previous order placed in 2013).

Away from the front lines, the resurgence in geostrategic confrontations between the world's major powers has significantly increased demand for airspace protection solutions. In addition to hypersonic missiles and theatre ballistic missiles, unmanned air vehicles (UAVs) now also constitute a threat to airspace sovereignty. Modern UAVs can defy detection by traditional radar systems, and adversaries can exploit the low speed and coordinated attack capabilities of these vehicles to saturate the airspace in a conflict. Easy-to-deploy Ground Master (GM) tactical radars have become a crucial asset for detecting threats at long range and at low altitude.

Since the first delivery in 2010, the Ground Master family of radars is constantly adapting to ever evolving threats, in particular UAV's at low altitude. The GM radars' digital architecture enables flexibility to innovate and anticipate new emerging challenges such as innovative algorithms mitigating the impact of wind turbines, whilst continuing to offer the best performance in the market in the long-run. This agility to adapt has made the GM radars, one of the best in class in its category, with outstanding sales records enabling the successful sale of more than 24 GM radars in 2020 alone.

Designed to offer unprecedented deployability and survivability, the long-range and mid-range GM versions fit into compact 20 ft containers with built-in lifting systems, and offer excellent redeployment times. Fixed versions of the family are also available for countries planning a permanent air surveillance infrastructure to protect their national airspace.

"With the Ground Master 400, the Royal Moroccan Air Force has a decisive advantage in terms of territorial protection and air surveillance. Thales is a long-standing partner of the Kingdom of Morocco, and this deployment testifies national authorities' continuing confidence in Thales. We are proud to have reached the 100th milestone of the Ground Master family, a game changing family of radars for superior situational awareness with a solid reputation for performance and reliability for national sovereignty" **Christophe Salomon, Executive Vice President, Land and Air Systems, Thales**

Note to editors

Thales surface radars

Ground Master 400 was the first radar of the Ground Master product family, quickly followed by Ground Master 200, a mid-range radar covering both air surveillance and air defence missions. The Ground Master 200 family now exists in two new versions – Multi-mission/All-in-one (MM/A) and the Multi-mission/Compact (MM/C)- both featuring dual-axis multi-beam scanning to offer outstanding range, precision and resolution, with the latest AESA technology. A front runner in the deployment of the AESA technology for more than 20 years, Thales radars offer tactical advantage in the field and can easily adapt to new operational needs and capabilities.

The product family also includes Ground Master 60, a short-range tactical radar addressing land force protection.

The Ground Master family deploy the same architecture and building blocks leveraging synergies in terms of innovation and support.

About Thales

Thales (Euronext Paris: HO) is a global leader in advanced technologies, investing in digital and "deep tech" innovations – connectivity, big data, artificial intelligence, cybersecurity and quantum computing – to build a confident future crucial for the development of our societies. The Group provides its customers – businesses, organisations and governments – in the defence, aeronautics, space, transport, and digital identity and security domains with solutions, services and products that help them fulfil their critical role, consideration for the individual being the driving force behind all decisions.

Thales has 81,000 employees in 68 countries. In 2020 the Group generated sales of €17 billion.

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