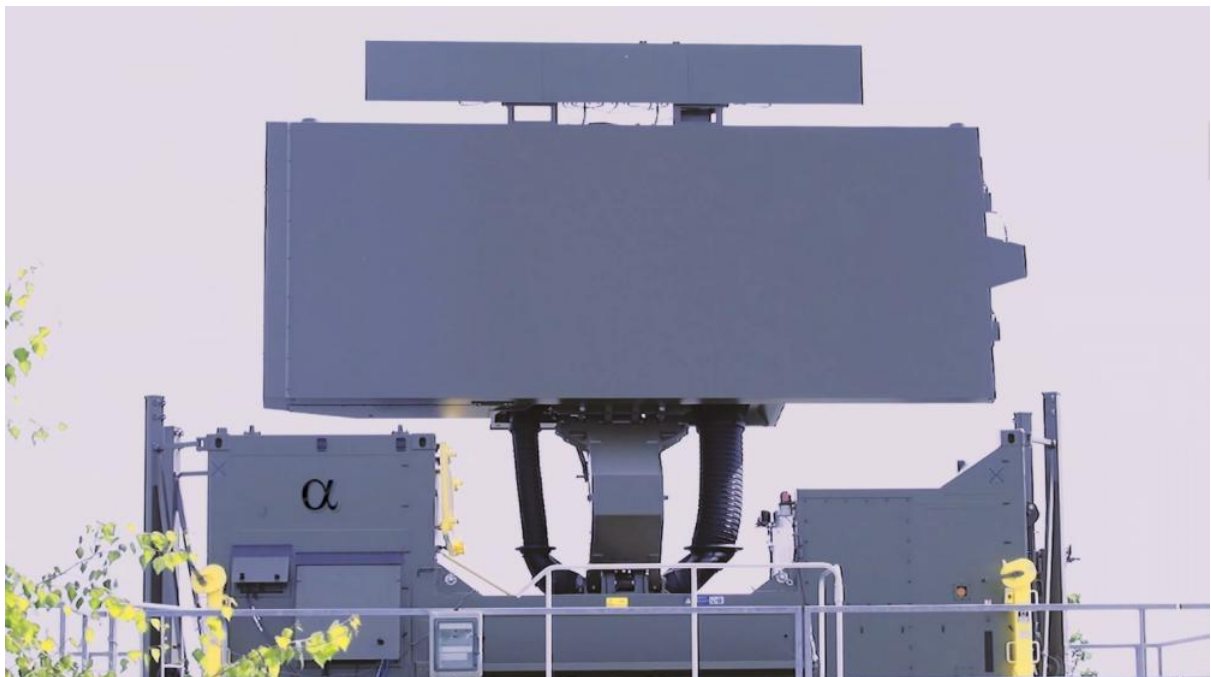


## Ground Master 400 Alpha, taking long-range air surveillance to the next level

- With 5 times more processing power, an increase in instrumented range of more than 10% (515km) and advanced artificial intelligence capabilities, Thales launches its latest Ground Master family member – the Ground Master 400 Alpha (GM400 $\alpha$ ).
- A game changer for air surveillance - the GM400 Alpha, a 3D long-range radar, provides the highest update rate on the market for full surveillance missions.
- Thanks to its high mobility, high availability, easy upgradeability and seamless integration, the GM400 Alpha offers armed forces with a valuable tool to gain tactical advantage, detecting all types of threats early providing precious minutes for decision-making and action.



Ground Master 400 Alpha – the latest 3D long-range air surveillance radar © Thales

**Thales launches the latest member of the Ground Master family radar portfolio, the GM400 Alpha. An unprecedented 3D long-range air surveillance radar, with 5 times more processing power, an extended range of 10% (up to 515 km), upcoming advanced artificial intelligence algorithms and enhanced cybersecurity features, it offers the most trusted radar on the market for long-range air surveillance.**

Given the multitude of threats in constant evolution, building a reliable, accurate, up-to-date Recognized Air Picture (RAP) is becoming a challenge. To maintain airspace sovereignty, Forces need to rely on assets that provide superior situational awareness at all times.

Leveraging on years of successful GM400 field experience, GaN technology and surveillance capabilities, Thales' GM400 Alpha allows operators to detect all threats at short and long-range at all times and at all levels.

Featuring digital stacked beam technology, the GM400 Alpha detects targets from fast jets and

missiles, to hovering helicopters and UAVs. A unique feature of the GM400 Alpha is the detection and tracking of threats such as tactical UAVs flying close to the ground, hiding in the clutter near the radar, while simultaneously detecting and tracking higher-altitude targets, such as fighter-bombers at ranges of up to 515 km.

By applying the latest processing technology, 5 times more powerful, as well as advanced detection algorithms, the radar can process large amounts of complex data. The result is an immediate improvement in detection range, up to 515 km or 278 NM, representing an increase of coverage surface of more than 20% compared to GM400, with no change to the energy required by the transmitter or receiver parts of the radar. The increase of processing capacity also provides the opportunity to include upcoming new capabilities using advanced artificial intelligence algorithms as well as enhanced cybersecurity features.

*“Already supporting 17 nations around the world, the Ground Master 400 radar family is a reliable and proven partner for air surveillance. The GM400 Alpha's software design and processing architecture make it easy to upgrade current fielded GM400 systems, ensuring the radars' resilience to emerging threats. Some of our customers have already started the upgrade process of their GM400.”* **Serge Adrian, Senior Vice President Surface Radars activities, Thales.**

### 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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