

Thales presents a new solution to protect sensitive sites from malevolent drone usage

- Thales presents EagleSHIELD, the company's new integrated drone countermeasures solution to protect and secure sensitive sites and large-scale events in urban areas.
- EagleSHIELD is a multi-sensor solution that detects, identifies, classifies and neutralises rogue drones flying at low altitude at ranges of up to 7 km.
- Thales provides a graduated, context-sensitive response to the threat of unmanned systems flying in civil airspace.



Drone traffic in civil airspace has increased significantly in recent years. Since there is always a possibility that these unmanned aircraft could be used for malevolent purposes, effective countermeasures need to be available to protect citizens and critical infrastructure.

To address the growing threat of malevolent drone usage, Thales has developed a unique fully integrated drone countermeasures solution designed to detect, identify, track and neutralise drones flying in civil airspace in order to protect sensitive sites such as airports, sports arenas, critical infrastructure and large-scale events in urban areas.

The Gamekeeper holographic radar, the only radar on the market to provide full 3D coverage of airspace surveillance over 90° sector, identifies and tracks all types of air platforms flying at low altitude and medium speed within a radius of 7 km. Complementing the radar, infrared and radiofrequency sensors refine the system's threat identification and classification performance, using sophisticated real-time data fusion techniques to determine the exact type of unmanned aircraft involved.

The solution EagleSHIELD offers operators a clear, simplified view of the situation to protect the airspace in real time, and provides the security services and armed forces with a comprehensive, cohesive vision of the airspace.

Fully integrated with these surveillance capabilities, a variety of drone countermeasures are available to provide a proportional response to the threat depending on the operational context. If the existence of a threat is confirmed, Thales can incorporate a range of technical solutions, including electromagnetic signal jamming, interception by a swarm of drones and directed energy weapons, to neutralise the rogue drone.

Over the last seven years, Thales has invested heavily in the four key digital technologies of artificial intelligence, Big Data, connectivity and cybersecurity. The company is leveraging those investments today to bring citizens the benefits of commercial drones while countering the threats associated with the malevolent use of unmanned aircraft in civil airspace.

*"The EagleSHIELD solution from Thales helps customers deal efficiently with drone incursions in the complex environments around critical infrastructure and sensitive sites so they can assess the situation and make the best decisions in a matter of seconds." **Thomas Got, Thales Vice President, integrated airspace protection.***

About Thales

Thales (Euronext Paris: HO) is a global technology leader shaping the world of tomorrow today. The Group provides solutions, services and products to customers in the aeronautics, space, transport, digital identity and security, and defence markets. With 80,000 employees in 68 countries, Thales generated sales of €19 billion in 2018 (on a pro forma basis including Gemalto).

Thales is investing in particular in digital innovations — connectivity, Big Data, artificial intelligence and cybersecurity — technologies that support businesses, organisations and governments in their decisive moments.

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