

Thales to deliver the Ground Alerter 10 – an early warning system to the German Federal Armed Forces for camp and convoy protection

- The Ground Alerter 10 (GA10) will provide C-RAM (Counter - Rocket, Artillery, Mortar) alert and impact zone early warning for camp protection as well as dismounted operations in convoy protection.
- The GA10 brings precious seconds that saves lives for soldiers to evacuate or take cover.
- Portable and the most lightweight system of its class, with a fully automatic 24 hours/7 sense and warn capacity, it offers an outstanding low power consumption facilitating battery-power only – very tactical for out-of-area missions.



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Thales is pleased to bring many years of experience and proven systems competency to the German forces again, with the contract for GA10 C-RAM systems. The signing of the contract is the result of a tender issued late December 2020 by the German procurement agency, the Federal Office of Bundeswehr Equipment, Information Technology and In-Service Support (BAAINBw). In addition to training, documentation and initial spare parts requirements, the contract includes an option for the delivery of more systems, with a first handover planned end 2021.

The Ground Alerter 10 is a portable C-RAM system for Force Protection, combat proven in various missions, such as convoy protection, camp protection and has saved many lives in the recent past. Its integrated alert network warns military personnel of missile and mortar threats by generating an acoustic and visual alert at the estimated impact point area. This takes place as soon as the

trajectory indicates an imminent impact in the respective safety area and the system simultaneously provides reliable data on the firing position at an early stage to facilitate necessary countermeasures. To date, various GA10s are already in use to protect UN camps in North East and Eastern Mali, as well as by the French Forces in several out-of-area camps.

Easy to set-up, operate and transport with limited staff operation, the GA10 is well suited for deployment in dismounted operations for convoy protection. Two people can accomplish en-camp/de-camp and only one person is required for system initialization and monitoring. Being the lightest system of its class and evidently portable (only 1- or 2-men loads), re-deployment of the system is possible with protected vehicles or by helicopter. Mandatory for mobile operations, the GA10 prime power consumption only amounts to 350 Watts and facilitates battery-only supply.

“We are very pleased to receive this contract, as it will significantly support the protection of German soldiers in their important and dangerous out-of-area missions. Together with BAAlNBw we managed to process the project within only 2 months between tender award and the contract conclusion. Ground Alerter 10 is a European design, with final development in Germany – a Military-Off-The-Shelf series product – drawing on strong radar expertise and operational experience in Germany, produced at the Thales Germany Ditzingen site, from Germany for Germany so to speak”. **Christophe Salomon, Executive Vice President Land & Air Systems, Thales**

Notice to the editorial offices

The Ground Alerter 10 is a complete Sense & Warn system consisting of an UHF radar, an integrated alert network with several wireless and wired alert devices and a control device (hardened laptop).

The radar system comprises the following main components:

- Antenna (including GPS positioning system) with a 6 m telescopic mast
- Electronic RF unit (RFC)
- Electronic signal processing unit (SPC)

Among others, power supply is possible via a battery system. It consists of two six-packs (sixtuple battery arrangement) of Li-ion batteries of the internationally common type BB2590 in a transport box that also serves as the re-charging unit.

A respective interconnection (J unit) allows the battery boxes to be alternatingly replaced during operation avoiding power interrupt. The two-box set is sufficient for operating the radar for more than 2x4 hours. The system is operated via the VENUS operating software on a hardened laptop with European keyboard. The integrated alerter network selectively generates an acoustic and visual alert only in the area around the impact point.

A leader in radar technology

At the Ditzingen location of Thales Deutschland in the Baden-Württemberg state near Stuttgart, tried-and-tested highly mobile radars for ground and coastal surveillance are developed and manufactured. Armed and security forces around the world use them for stationary or mobile protection in harsh, complex environments. Radars from Thales Germany protect the airspace, coastal areas and, when deployed in mobile fashion, events like summit meetings or critical infrastructure, depending on the level of threat. The portfolio consists of radar devices with short, medium and long ranges and a highly intuitive human-machine interface that customers can use to identify and track, amongst others persons, vehicles, boats and drones as well as other air targets. Partners enable development of specialised solutions for towers and vehicle integration.

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.

About Thales in Deutschland

Thales Deutschland is headquartered in Ditzingen and is one of the largest national subsidiaries of the Thales group. The company employs 3,900* persons at 10 locations and carries out its own manufacturing and development. In 2020, Thales Deutschland generated sales of EUR 1.2 billion*, predominantly German value added. Thales Deutschland has a technology tradition in Germany for over a century. The company, an integrated German electronics corporation and systems house, is a model of German engineering tradition. As a recognized member of Germany's high-tech industry, Thales Deutschland offers its customers at home and abroad state-of-the-art, highly secure and ultra-reliable reconnaissance, radar, communications, information and control systems, as well as services for secure ground, air and sea transportation, for both civilian and military security and protection needs. In addition, Thales Deutschland has a comprehensive portfolio of IT solutions for cyber security. At its Ulm side the company also develops and manufactures satellite components.

Thales Deutschland focuses on the lasting business success of its customers. Its business partnerships with customers worldwide, as well as with local and international engineering and research partners, are based on trust.

*According to International Accounting Standards (IAS) excl. Joint Ventures. Thales Deutschland also generated substantial revenues via its joint venture investments.

PRESS CONTACT

Maria Mellouli
Thales Media Relations
Defence and Civil Aerospace
+33 (0)6 89 73 25 47
maria.mellouli@thalesgroup.com

Pitt Marx
Thales in Deutschland
Head of External Communications
+49 (0)172 404 83 46
pitt.marx@thalesgroup.com

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