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## **HENSOLDT showcases a number of its new sensor technologies in Paris**

**Paris, June 8, 2018** – At Eurosatory, the international defence and security exhibition in Paris, HENSOLDT presents its wide range of state-of-the-art sensor technologies and capabilities with a number of firsts.

For the first time, the sensor solutions provider will showcase its newly developed **TRML-4D** radar system for ground-based air defence. The 3D multifunctional radar ensures rapid response detection and tracking of approximately 1,500 targets in a radius of up to 250 km and at an altitude of up to 30 km. TRML-4D uses the latest AESA radar technology (AESA = Active Electronically Scanned Array), enabling the acquisition of targets after just one rotation of the antenna. That improves the response time and hit probability, even in a complex environment with a high target density and involving highly agile and asymmetric threats. Thanks to the precise coordination of all the antenna elements in the C band (NATO G band) and special signal processing modes, the radar can provide extremely exact information on the targets, thus guaranteeing early and precise weapon assignment. An integrated secondary radar system for identifying friend or foe (IFF) prevents friendly fire. The high performance of the radar is largely due to the great number of transmit / receive (T/R) modules in the antenna, made from special RF-capable materials. HENSOLDT is the pioneer of this technology in Europe.

HENSOLDT will also present its new **Local Situational Awareness System (LSAS)** for wheeled and tracked armoured vehicles, both as an upgrade and as a solution for newly built vehicles. The aim of this is to avoid direct viewing channels as weaknesses in armoured vehicles, without reducing the optical reconnaissance capability. In times of asymmetrical threats, soldiers can thus remain within the protection offered by the vehicle, with no loss of orientation or loss of awareness of the security situation. The modular system consists of a high-resolution daylight camera and two uncooled thermal

imaging modules (UCM). The LSAS can recognise a person at 300 metres in daylight. HENSOLDT is exhibiting an engineering mock-up from the design phase on an EAGLE 6x6 troop transporter by General Dynamics European Land Systems. The system demonstrates the high optical performance of the daylight camera in the final product as well as an option for its intuitive control.

The European sensor solutions provider will also be displaying a portable version of its counter-UAV system Xpeller, “**XpellerGear**”, for the first time. It can be used to provide protection against radio remote-controlled bombs, so-called RCIEDs (= radio-controlled Improvised Explosive Devices).

The new configuration combines a radio detector with a jammer. As soon as the radio detector acquires a signal evidently controlling a UAV, the jammer can override this signal, thus severing the connection between the UAV and its operator. A smart detection algorithm with integrated signature database guarantees highly precise detection of all UAV-relevant signals and extremely short response times.

Come and see us on the HENSOLDT stand on the outdoor exhibition area: Pe6b C170!

### **About HENSOLDT**

HENSOLDT is a global pioneer of technology and innovation in the area of defence and security electronics. The company is a market leader in civilian and military sensor solutions, developing new products to counter evolving threats based on disruptive concepts in such fields as big data, robotics and cyber security. With a workforce of some 4,300 employees, HENSOLDT generates revenues of more than 1 billion euros per year.

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***Detect and Protect.***

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