
HENSOLDT presents new ground-based Air Defence Radar

TRML-4D belongs to the proven TRS-4D radar family – Latest technology provides rapid response and high precision

Munich/Paris, 11 June 2018 – At Eurosatory, the international defence and security exhibition in Paris, the sensor solutions provider HENSOLDT is showcasing its newly developed TRML-4D radar system for ground-based air defence for the first time. The 3D multifunctional radar, which belongs to the TRS-4D radar family tried and tested in operations on numerous occasions, 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), which enables the acquisition of targets after just one rotation of the antenna, thus improving 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, which are made from special RF-capable materials. HENSOLDT is the pioneer of this technology in Europe.

The system can be transported by air in an A400M or C130 transport aircraft, but can also be transported by rail. One customer has already placed an order for ten systems. Series production takes place at HENSOLDT's Ulm site.

About HENSOLDT

HENSOLDT is a pioneer of technology and innovation in the area of defence and security electronics. The company, headquartered in Taufkirchen near Munich, is a market leader in civilian and military sensor solutions, developing new products to counter a wide variety of 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 per year.

www.hensoldt.net

Caption:

HENSOLDT's new 3D multifunctional radar TRML-4D

Photo: HENSOLDT

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