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100 YEARS

**HENSOLDT –
a century of creativity and innovation**

More than 100 years of creativity and innovation under one roof. Successor to Zeiss, Dornier, Telefunken, MBB, Aerospatiale, EADS, Airbus Defence and Space. HENSOLDT has the experience, cutting-edge technologies and capable partners to meet the complex and demanding requirements of airborne surveillance radars.



HENSOLDT
Detect and Protect

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PrecISR™

Airborne Multi-Mission Surveillance Radar



HENSOLDT
Detect and Protect

Our World

In a complex world with unpredictable and constantly changing threats, having better information is the key to staying ahead and mitigating the threats.

PrecISR™, HENSOLDT's new family of airborne multi-mission surveillance radars offering high performance and compact design, is precisely the solution required to provide decision makers with this capability.

Focus on the Threat

PrecISR™ has been designed for all types of airborne surveillance missions in 24/7 operation and in all weather conditions to ensure safety & security and to detect conventional and asymmetric threats on the ground, at sea and in the air.

Its state-of-the-art sensor with gallium nitride AESA antenna and two-dimensional e-scan capability enables unprecedented precision in target detection. This makes it the sensor of choice for monitoring large sea and coastal areas to combat piracy, illicit trafficking or intrusion.

A Compact Design for a Perfect Fit

The innovative and compact PrecISR™ design enables a fully flexible and easy installation on board helicopters, UAVs and fixed-wing special mission aircraft without penetrating the airframe. Options include mounting the system underneath the fuselage bottom or installing multiple fixed arrays.

Reliable tracking of thousands of objects on the ground, at sea and in the air. Filtering of essential information.

PrecISR™ Makes a Difference

Detecting, tracking and classifying thousands of objects, thus literally finding the 'needle in a haystack'.

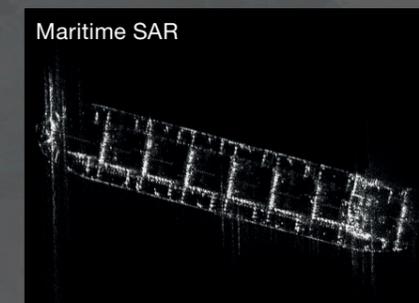
The PrecISR™ airborne multi-mission surveillance radars increase the surveillance capabilities and mission efficiency of any special mission aircraft by collecting large amounts of data. This data is used to detect and classify the relevant threats faster and more efficiently, thus reducing the workload of the aircraft crew and users on the ground.

Thanks to its software-defined radar modes and electronic beam steering, PrecISR™ can perform several different tasks at the same time.



GROUND

- SAR: high and medium resolution spotlight and stripmap SAR
- Moving Target Indication (MTI): surveillance of large areas and pre-defined sectors



SEA

- Open Sea Long Range (OSL)
- Maritime ISAR (Inverse SAR)
- High Range Resolution Target Profiling
- Classification Support



AIR

- Detecting and intercepting low flying aircraft (gathering information on direction and speed of a flying target for correlation with data from other sensors, e.g. ADS-B and EO/IR)