Solution tested on missions

World leader in self-protection warning systems with

8,000 Sensors

Certified in accordance with new German and European Military and Civil Airworthiness Requirements
Spectrum Dominance

Existing and future threats require adaptive detection and classification capabilities so that the mission and the platform can obtain optimal protection.

In today’s electromagnetic spectrum, communication and radar signals from civilian and military applications can overlap. Detecting and locating objects correctly can be challenging due to wind turbines, active jamming and urban scenarios. Modern radar systems are extremely agile and use large frequency bands. Knowledge of radar-based threats gained during missions is not always available. The evaluation and availability of information gained from earlier and current missions is essential for the success of subsequent missions.

Existing Systems
- Objects classified and located too slowly to take countermeasures
- Some systems set off false alarms
- Partial lack of ways to record events from the previous mission

Challenges
- Dealing with unknown radar threats
- Recognising radar signals in the frequency band of communication signals
- Difficulty in recognising new radar threats with analogue systems
- Enhanced lifetime of existing platforms
- Network-centric operations

HENSOLDT Kalætron®
Radar Warning Receiver (RWR)

The RWR Solution for Spectrum Dominance
- Solution tested on missions in an operational scenario.
- Developed for rotary-wing aircraft, fighters and transport platforms.
- A modular digital system which can be adapted to the requirements of each customer.
- Solution for upgrade programmes and new acquisitions involving a radar warner that meets the operational requirements of modern platforms.

Radar Warning Receiver (RWR)
- Ultra Low False Alarm Rate
- Software Only Upgrades
- 100% Access to All Recorded Data
- Data Recording from Unknown Emitters
- ESM Functionality
- AMPS Self-Protection Suite Integration
- Highest Intercept Probability (POI)
- Excellent COMS suppression
- Outstanding Multi-Signal Capability
- Wind Farm Reflection Suppression
- Adaptive Filtering for HPRR Emitters
- HENSOLDT introduces AE

RWR - S
- Frequency Band: 2 – 18 GHz
- Opt. 0.5-40 GHz
- Opt. Spherical coverage

RWR - M
- Frequency Band: 2 – 40 GHz
- Opt. 1-18 GHz

RWR – L
- Frequency Band: 2 – 40 GHz

ae = artificial intelligence inside HENSOLDT electronics

We combine artificial intelligence with HENSOLDT electronics in our modular digital products.