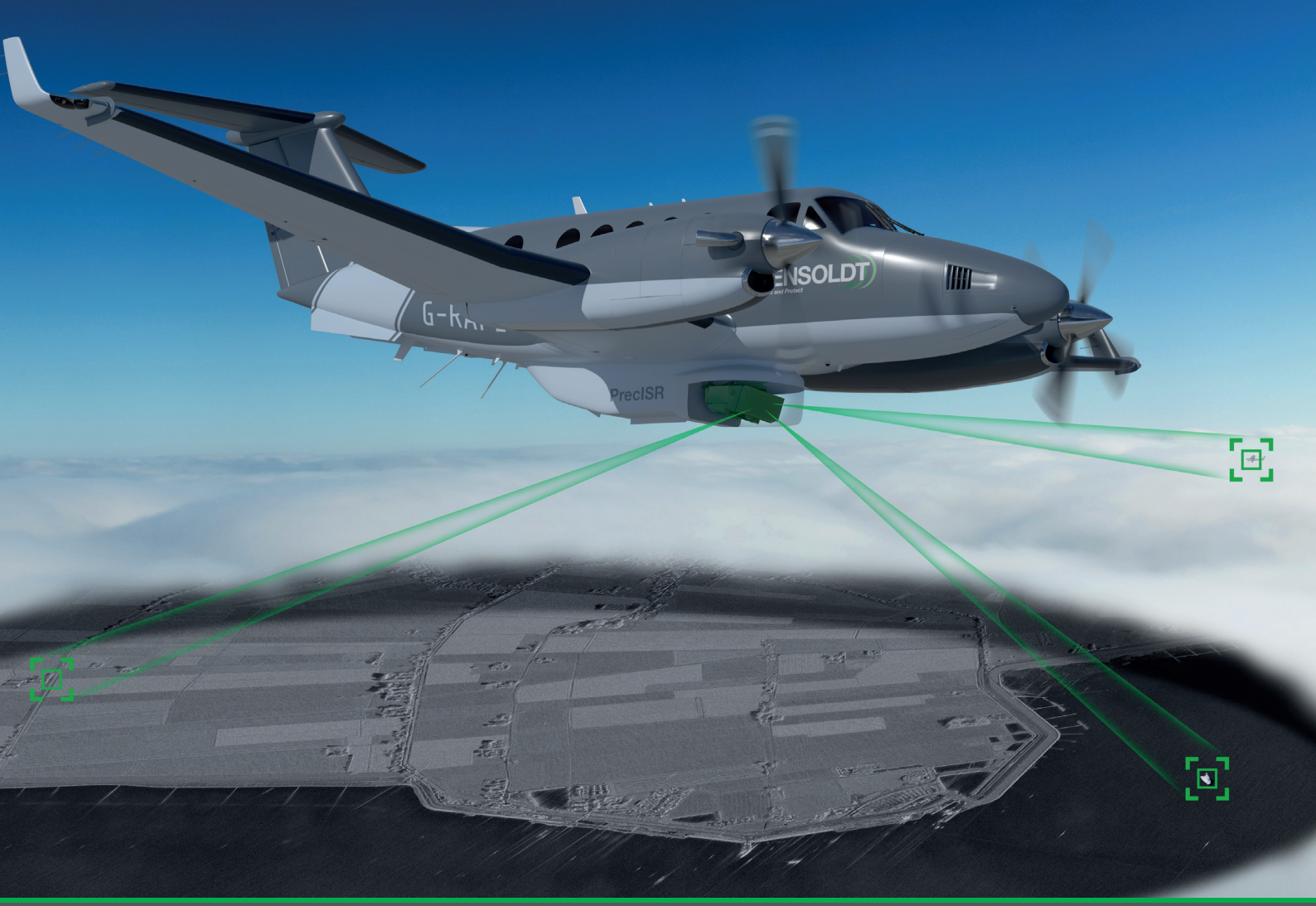


HENSOLDT **PrecISR 1000**

Cutting-edge radar technology for your airborne ISR mission

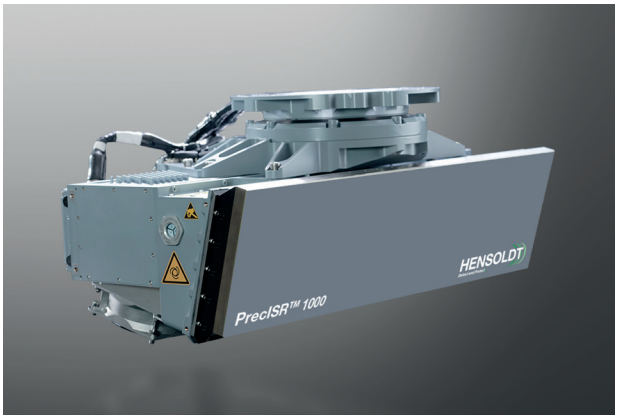
Superior precision and target accuracy

- Very high operational SAR image resolution/good mapping area in near-realtime for target classification and identification support
- Very high detection performance and sensitivity even in strong clutter and interference environment due to robust spatially and temporally adaptive filtering
- Ability to detect and track small targets in high sea swell from high altitudes with time-lag-free switching to long range reconnaissance
- Inertia-free 2-D E-scan capability allowing radar mode processing with track and verification beams, resulting in higher track stability and track accuracy

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Detect and Protect.

Customer benefits at a glance



Reduction of operator workload

- Automatic initial parameter setting to deliver the best possible radar result
- Digital data right at the operators fingertips

Easy to install aboard helicopters, UAVs and fixed-wing special mission aircraft

- Lightweight, low volume integrated design enables installation without fuselage penetration

PrecISR 1000 modes and performance data		
Dimensions of sensor and radom diameter	W: ~73 cm, H: ~30 cm ø ~ 80 cm	
Weight	< 58 kg	
Average power	1.4 kW	
AESA antenna technology	X-band, GaN, multi-channel, electronic scanning in azimuth and elevation, 360° full performance coverage	
Instrumented range	200 nm / 370 km	
SAR resolution (Spotlight)	<0.15 m (Ultra-high resolution)	
Horizontal / Elevation coverage	Horizontal: 360° continues mechanical rotation ±60° inertia-free electronic scan	Vertical: -15° tilted +30°/-30 inertia-free electronic scan
Simultaneous multi-mode capability	Yes e.g. SAR & GMTI or ISAR & MMTI	
Cooling	Unconditioned-air	
Interfaces	28 Vdc Power Ethernet Safety Discretes	

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