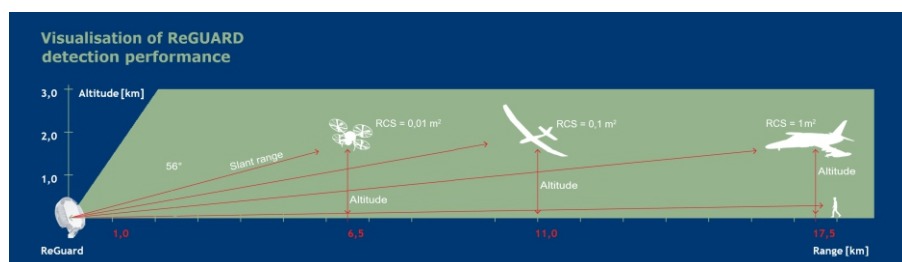


ReGuard

Multi-role 3D RADAR for the detection and tracking of ground and low-flying targets



Parameter	Parameter, Feature		Note
	Rotational mode	Sector mode	
Make and Type	3D phased array mobile radar		Fully coherent digital radar
Operating Frequency	X Band		All solid state technology
Instrumental Range	0,25 ÷ 18 km		
Elevation Coverage	up to 56°		
Altitude Coverage	3 km	3 km	RCS = 0,1 sqm
Detection Range	10,5 km	11,5 km	RCS = 0,1 sqm
Detection Range	6 km	6,5 km	RCS = 0,01 sqm
Rotation Speed	15 rpm	fixed	
Antenna Type	Active phased array		Pencil beams
Antenna Feed	TR module frontend on each antenna element		
Antenna Dimensions	w = 0,65 m; h = 0,75 m; t = 0,235 m		
Radar head weight	65 kg		
Cooling	Passive (conduction)		clima-pack (optional)
Total Power Consumption	up to 1 kW		
Temperature Range	-32 °C ÷ +49 °C (passive cooling)		-32°C ÷ +55°C (with desert environment/clima-pack)
Humidity	95 %		at 35 °C

