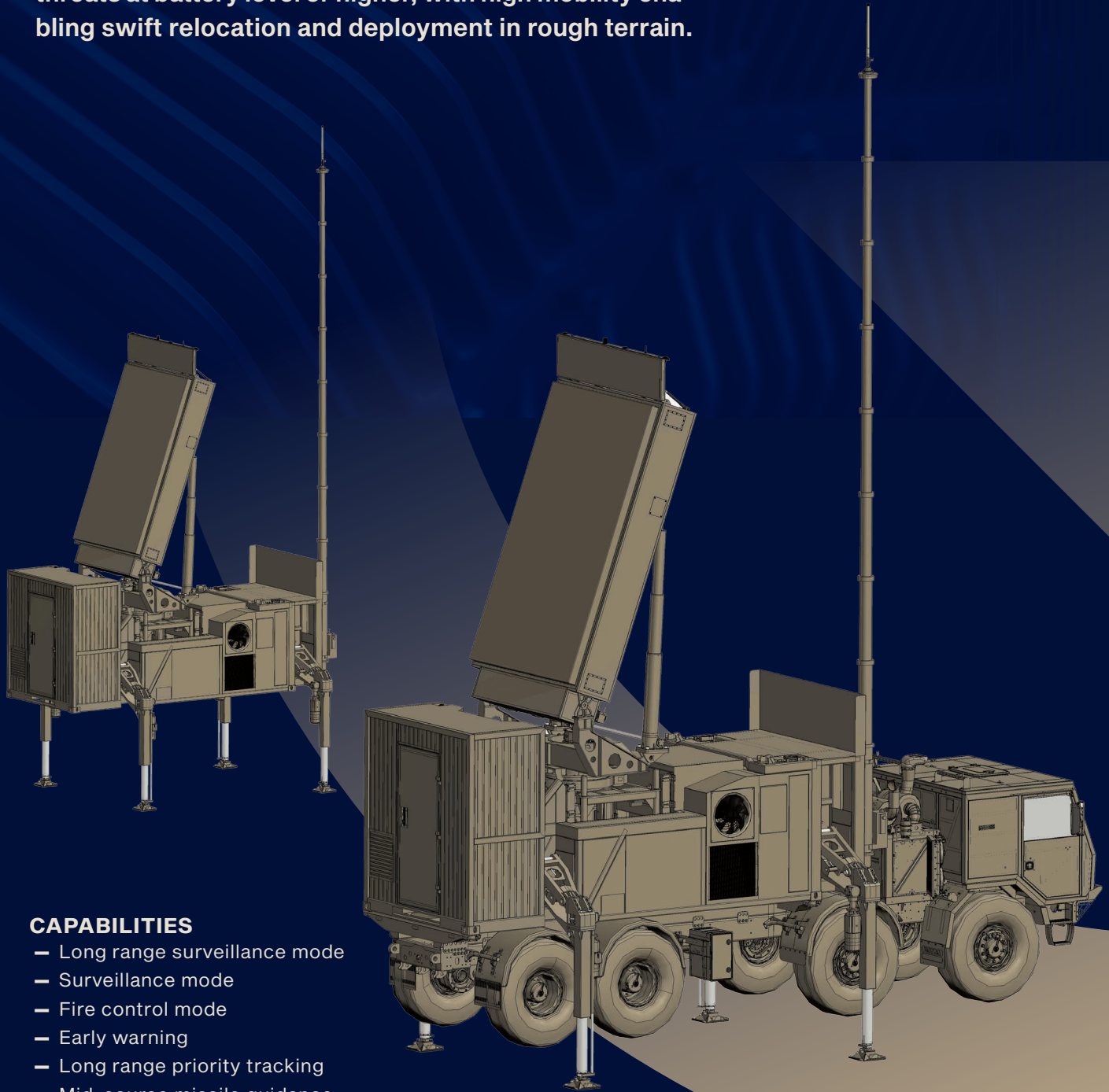


RSB41

ReSAURION long

The ReSAURION is a cutting-edge multi-role radar, optimized for seamless air defense integration. It ensures long-range surveillance, detection, and classification of threats at battery level or higher, with high mobility enabling swift relocation and deployment in rough terrain.



CAPABILITIES

- Long range surveillance mode
- Surveillance mode
- Fire control mode
- Early warning
- Long range priority tracking
- Mid-course missile guidance
- Air Traffic Control capability

KEY FEATURES

- Full AESA solid state advanced technology
- Monopulse processing in azimuth and elevation
- Multiple beam capability
- Track while scanning
- Fast direct digitizing in S Band
- MTT capabilities
- Built-in-Test-Equipment
- High mobility

KEY BENEFITS

- Long range scanning and tracking
- Reliable early warning
- Potential threats reconnaissance
- High resistance against jamming (ECCM)
- Easy integration with existing Air Defence systems
- Integrated IFF technology
- EMCON – advanced emission control
- Highly mobile
- Easy transportation (C130)
- Unified spares across RSB radar family
- ITAR-free

Parameter	Parameter, Feature	Notes
Operating Frequency	S Band	
Elevation Coverage	up to 40°	mode dependent
Rotation Speed	10 rpm	maximum, mode adjustable
Range Resolution	100 m	
Azimuth	0÷360 deg, ± 45 deg	rotating antenna, sector mode
Antenna Type	AESA	azimuth & elevation beam steering, state of the art GaN Solid state technology
IFF system	integrated	GFE
Base dimensions (folded)	20 x 8 ft	ISO1C 20 ft platform
Deployment time	< 15 min	
Activation time	< 5 min	deployed system
Temperature Range	-32 °C ÷ +55 °C	
Communication Interfaces (software & hardware)	ethernet wired or optical, etc.	TCP, UDP/IP; ASTERIX, customer defined
ECCM Capability	pseudo random stagger frequency agility, jammer bearing, ...	automatic features against passive and active jamming
Signal and Data Processing	CFAR, MTD, narrow pulse/pulsed jamming suppressor	

