Gap Filler Radar

NATO Compatible
High Mobility
Multi-mission Capability
Three-dimensional Radar
Worldwide deployable

LOCKHEED MARTIN

UTi

UTI CONTRIBUTION TO THE ROMANIAN GAP FILLER RADAR

- Systems engineering and development of all the Romanian manufactured items - truck, trailer, shelter, ancillary systems
- Management of the Romanian suppliers - “One Stop Shop” for Lockheed Martin in Romania
- Integration and test activities at the Lockheed Martin facilities in the USA
- Engineering, assembly, integration and test of the Gap Filler communication subsystem, including the remote control equipment
- Software configuration of the radar communication equipment set
- Final system assembly, integration and test
- Transport, deployment, commissioning services
- Retrofitting the Romanian OEM hardware
- Logistics management of the contract activities in Romania
- Warranty technical services in Romania
- Operational and Maintenance training of End User personnel

NATO COMPATIBLE, WORLDWIDE DEPLOYABLE, ADVANCED 3D RADAR

The NATO compatible Gap Filler Radars are particularly designed to increase the low and medium altitude air-surveillance capabilities of the National Air Defense System, and to support Peace-Keeping Operations all over the World, by providing tactical air surveillance.

HIGH MOBILITY RAPID DEPLOYMENT

The Gap Filler Radar is designed for rapid, autonomous tactical deployment, proven within successful military mobility tests. By its own means the system can cross rivers, climb steep slopes or cruise over marshlands.

The highly mobile Gap Filler Radar is transportable by air (C-130), sea (cargo ship) and land (autonomously on- or off-road, or on railroad).

MULTI-MISSION CAPABILITY

Designed as an advanced tactical 3D medium range surveillance radar, the exceptional performance of the Romanian Gap Filler Radar with enhanced target detection in clutter electronic interference environments makes it a versatile radar with multi-mission capability including Gap Filler Surveillance, Air Traffic Control, Coastal Surveillance.

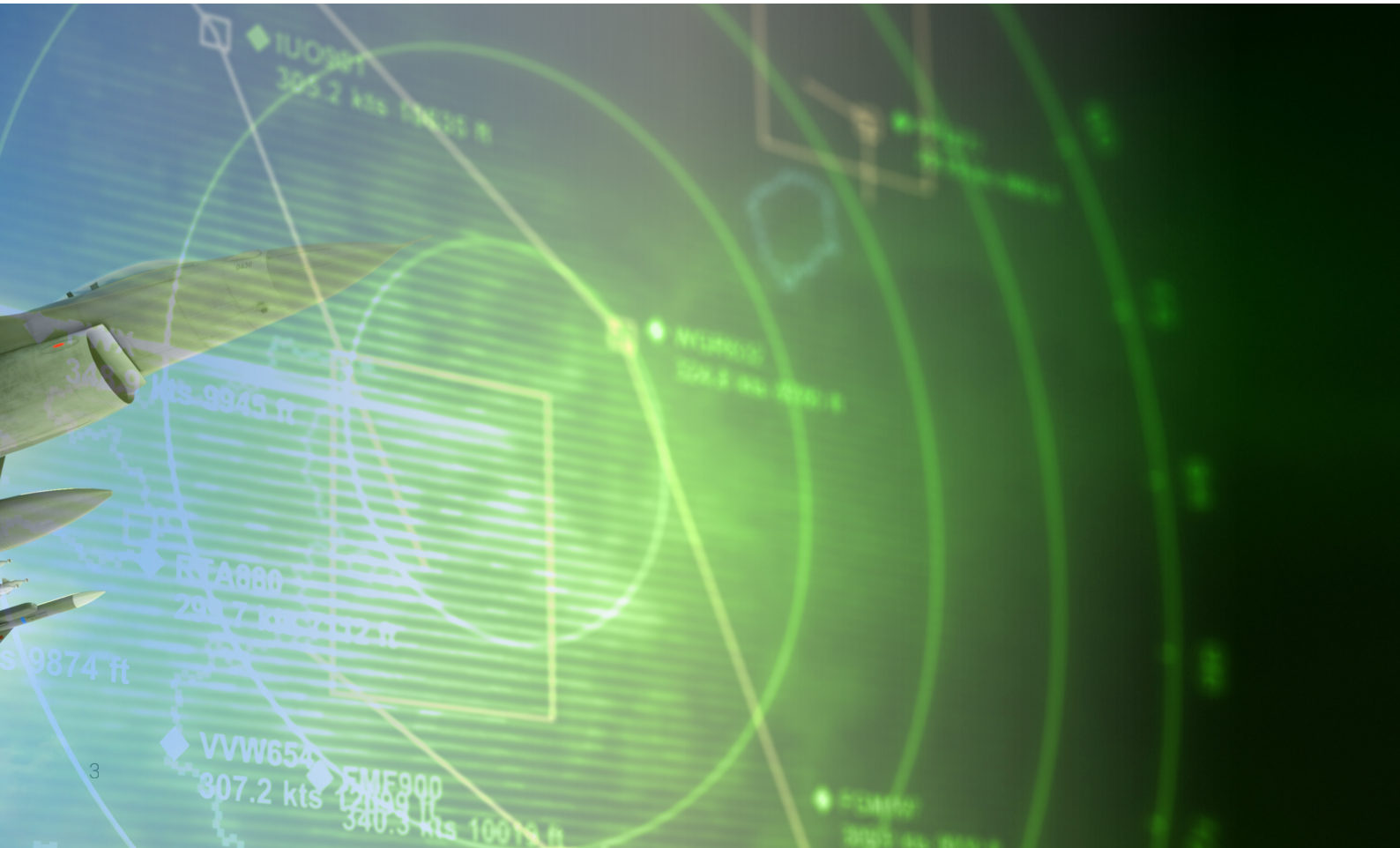
The Gap Filler Radar, a modern, solid-state radar, is the most advanced 3D medium range, multi-mission, highly mobile and rapidly deployable radar system in the world.

FEATURES

- Three-dimensional
- Enhanced target detection in clutter
- Fail-soft capability
- Solid-state S-band design
- Exceptional signal-to-clutter performance
- Selectable circular (L&R) linear polarization for improved target detection in presence of clutter/rain
- High mean-time-between-failures for low
- life-cycle costs
- Highly mobile for rapid deployment
- Integrated radar/beacon antenna eliminating dual antenna alignment requirement
- Comprehensive BIT and BITE

FEATURES

- Frecvenţă de emisie: **Banda-S**
- Putere în impuls: **scalabilă până la 25 kW**
- IPF: **perioadă fixă sau variabilă**
- Viteza de rotaţie a antenei: **6 sau 12 rpm**
- Raport semnal/zgomot: **>60dB**
- Performanţe de detecţie (**acoperirea în distanţă de până la 190 km, înălţime maximă măsurată-10000 m, 0°-40°**)
- Disponibilitate: **>0.99**
- Desfășurare/strângere în câmp tactic: **<50 de minute**
- Traiecte pe o rotaţie completă: **700**
- Durată de serviciu: **20 de ani**



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