

Ground Fire 300 Multi Function Radar

- Simultaneous Air and Ballistic Missile Defence
- Unique combination of 400km range & 90° elevation coverage with 1 sec rotation rate
- Tactical radar with fast encamp / decamp
- Most modern technology - 4D AESA with a fully digital GaN array
- High operational availability



Ground Fire 300

The ultimate tactical radar for Integrated Air and Ballistic Missile Defence



Simultaneous Multi-Mission

Ground Fire is a Multi-Function radar delivering superior performance for different missions simultaneously, through dynamic radar resource management.

- Air surveillance
- Autonomous detection of Ballistic Missiles
- Air Defence & BMD for ASTER missile family
- C-RAM
- Weapon Location/Counter-Battery

Tactical Radar with Fast Encamp/Decamp

- 15 Min Encamp/10 Min Decamp
- 1 single package (20 feet ISO container, <10 tons)
- Transportable by road, rail and tactical aircraft (C-130 or A400M type)

Most Modern Technology

- GaN based 4D AESA antenna
- Element Level Digital Beam Forming
- Wide RF Bandwidth for high range resolution
- Non-Cooperative Target Recognition (NCTR)
- Software Defined Radar:
 - Mission performed through software.
 - Growth potential through software updates to handle new threats and new tasks.

Operational Availability

- MTBCF > 2000 hours created by a high level of redundancy in transmitters, receivers and ancillaries
- MTTR < 30 minutes
- Maintenance Free Mission; chosen and planned maintenance with limited team

Key Features

- Air surveillance coverage: 400 km
- Coverage: 360° in azimuth, 90° in elevation
- Tracking capacity: > 1000 targets
- Track update up to 1 Hz in rotating mode, and up to 10 Hz in staring mode
- SRR/IFF (acc. STANAG 4193) with Mode S and Secure Mode
- Enhanced surveillance capability on all targets: slow moving & very low RCS, fast to hypersonic, or highly maneuvering targets
- Range performance is sufficient to autonomously engage short range BMs in rotating mode and medium range BMs in staring mode when cued

