TACTICAL DEFENCE RADAR FOR RAPID DEPLOYMENT AND COMPLETE PROTECTION OF KEY ASSETS OR DEPLOYED FORCES

- A true multi mission system providing all missions simultaneously with the highest quality: Air, Surface and RAM detection.
- Unsurpassed detection performance, out to 250km, from small, slow, low altitude targets typically UAVs, up to fast maneuvering and high speed threats.
- Optimized warning times against any target, boosting the performance of any Ground Based Air Defence (GBAD) system to its maximum.
- Easy to operate, easy to maintain, easy to integrate in any system or network.
- Highest availability for any Multi Mission
- Field proven
- Compact antenna ensuring an easy integration in fixed infrastructure, such as existing towers or prepared sites.

GROUNDBASE 200

- A true Multi Mission Defence Radar
- Air and Battlefield command and control missions
- Complete protection of key assets and deployed forces against any threat: AIR, SURFACE and Rocket Artillery or Mortar (RAM)
**GROUND MASTER 200**

*Multi Missions radar station for complete protection of key assets or deployed forces*

**MULTIMISSION**

GM200 is a true Multi Mission Radar delivering superior performance for all missions simultaneously. GM200 provides excellent detection performance against all types of targets: fighters, helicopters, cruise missiles, UAVs, Surface targets and rocket or mortar shells.

Due to the stacked beam architecture, GM200 has immediate track initiation against popup targets. Combined with advanced algorithms, this endows GM200 with excellent hovering helicopter detection capabilities. In case of gun, mortar or rocket attacks, GM200 provides an alert, calculates and continuously refines the predicted impact point and launch point data.

The Air, Surface and CRAM capabilities of GM200 provide the modern warfighter with unprecedented defence capabilities against all threats simultaneously.

**FLEXIBLE RADAR**

Thanks to its open architecture, GM200 offers the capability to integrate tactical Air C4I solutions or advanced GBAD systems. It can be delivered either as a mobile version including 2 embedded operator positions or in a fixed version.

**DEPLOYABILITY / SURVIVABILITY/AUTONOMY**

- 1 single package (20 feet ISO standard container, < 9 tons) including its own Power Generation Unit and air conditioning.
- Remote or local operable.
- Permanent full radar status available.
- Radar installation: ≤ 15 mn.
- Transportable by road, rail and tactical aircraft (C-130 and A400M type).
- Easy installation on towers or prepared sites.

**RELIABILITY**

- MTBCF: up to 3,000 h depending on configuration.
- Operational availability: > 99.9%.
- GaN solid state transmitter technology providing outstanding level of fault tolerance.
- High level of redundancy (transmitters, receivers, ancillaries, processing parts).
- Air cooling.
- Optical fibers for RF signal.
- Chosen and planned maintenance with limited team.
- MTTR: ≤ 30 mn.

**KEY FEATURES**

Unique in the multimission radar category, GM200 has two uninterrupted operational modes, Surveillance or Engagement.

- S band phased array antenna.
- Extended detection range:
  - 250 km Surveillance mode,
  - 100 km Engagement mode.
- Full time 3D coverage in one rotation (70° elevation).
- High data renewal rate enabling short reaction time and fast track acquisition:
  - 20 rpm in Surveillance Mode,
  - 40 rpm in Engagement Mode.
- Real Digital Stacked Beam.
- Efficient Doppler processing.
- Comprehensive ECCM capabilities.
- Ceiling: up to 80,000 ft.
- 2 operators positions.

**OUTSTANDING PERFORMANCES AND AVAILABILITY**