

# GASR-3D 'TERRIER'

## COUNTER-UAS AIR & GROUND SURVEILLANCE RADAR



HUNGARIAN DEFENCE  
EXPORT AGENCY LTD.



### BENEFITS

- The Radar is capable to simultaneously detect, track and classify Loitering Munition, UAS/Drone, Helicopter, Aircraft and ground targets. (Humans, vehicles, etc.) In V-SHORAD configuration, the system detects and recognizes aerial threats and provides target information for the fire control system.
- The principle of operation is Frequency Modulated Continuous Wave (FMCW) technology with DBF enabling high MTBF. It utilizes unique AESA transmitter. Low power and continuously changing frequency provides Low Probability of detection and Interception (LPI).

### SPECIFICATIONS

|                     |  |
|---------------------|--|
| Detection Ranges    |  |
| Loitering Munition  | (RCS 0.05 m <sup>2</sup> ) - 3,6 km            |
| Pedestrian          | (RCS 0.5 m <sup>2</sup> ) - 6.8 km             |
| Soldier             | (RCS 1 m <sup>2</sup> ) - 8.5 km               |
| Vehicle             | (RCS 10 m <sup>2</sup> ) - 14.5 km             |
| Helicopter          | (RCS 50 m <sup>2</sup> ) - 22 km               |
| Accuracy            | Range: 4m<br>Azimuth: 0.4°<br>Elevation: 0.5°  |
| Operation Principle | FMCW - Doppler with DBF, AESA, AI              |
| Azimuth Coverage    | 90° with DBF staring beams (single plate unit) |
| Elevation Coverage  | 80° with AESA Tx                               |
| Frequency Band      | X Band (NATO I/J Band)                         |



### HUNGARIAN DEFENCE EXPORT AGENCY

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