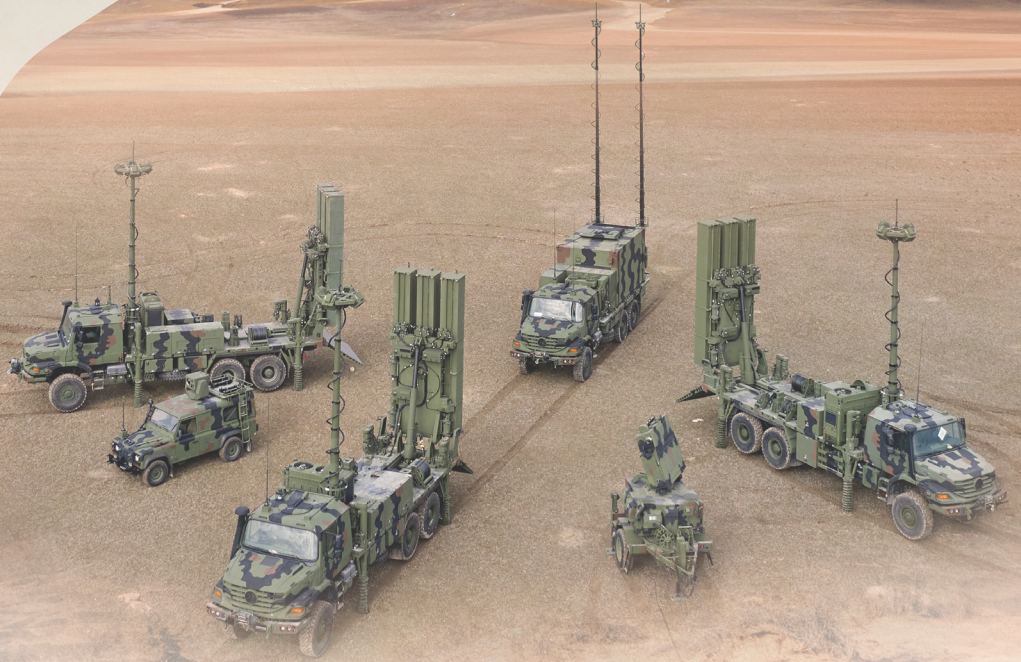




MEDIUM RANGE AIR AND MISSILE  
DEFENSE SYSTEM

#AirDefense



AIR DEFENSE OF STATIONARY FORCES AND CRITICAL ASSETS  
AIR DEFENSE WITH DISTRIBUTED AND FLEXIBLE ARCHITECTURE  
TARGET INTERCEPTION WITH IIR AND RF MISSILES  
MOBILITY IN TACTICAL AREA



**aselsan**

## MEDIUM RANGE AIR AND MISSILE DEFENSE SYSTEM

HiSAR O 100 Medium Range Air and Missile Defense System performs target detection, classification, identification, tracking, command & control and fire control functions in a distributed and flexible architecture.

HiSAR O 100 Battery configuration consists of 1 Fire Control Center (FCC), 1 Radar, 3 Missile Launching System (MLS), 1 Electro-Optical System (EOS) and 1 Missile Transport and Reloading System (MTRS). HiSAR O 100 is capable of being structured to address tactical requirements not only at the battery level structure but also at the battalion level structure.

HiSAR O 100 Medium Range Air and Missile Defense System is state of the art technology and has open hardware and software architecture for utilizing future technology.

### Specifications

- Fighter Detection&Track Range : >55 km
- Target Interception Range : >25 km
- Target Avoidance Altitude : >15 km
- Ready-to-Fire Missile : ≥18 (Battery Level)  
≥54 (Battalion Level)
- Number of Tracks : 100 targets

### Features

- Effective Air Defense Execution with Distributed Architecture and Flexible Deployment
- Integrated Air Picture Generation
- Target Interception with IIR and RF Missiles
- 360° Threat Destruction via Vertical Launcher
- Multiple Engagement and Successive Firing
- Data Link for Midcourse Guidance
- Operation in Day, Night and Adverse Weather Conditions
- Global Positioning System and Navigation
- Remote Control
- Wired or Wireless Communication Between Systems
- Work in Coordination with Interface for Higher Level Echelons Command and Control Units Using Link 1/Link 11B/Link 16 Tactical Data Links and JREAP
- Automatic Target Tracking and Shooting with Using EO Sensors
- Identification Friend or Foe (IFF)
- Threat Evaluation and Weapon Assignment
- Multi Target, Multi Radar Fusion
- Embedded Simulation
- Built-in test, Effective ILs and Maintenance

