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HISAR-O
MEDIUM RANGE AIR DEFENSE
MISSILE SYSTEM

AIR DEFENSE OF STATIONARY FORCES AND CRITICAL ASSETS
MULTIPLE ENGAGEMENT AND SUCCESSIVE FIRING
THREAT EVALUATION AND WEAPON ASSIGNMENT
OPERATION IN DAY, NIGHT AND ADVERSE WEATHER CONDITIONS
MOBILITY IN TACTICAL AREA

HISAR-O

MEDIUM RANGE AIR DEFENSE MISSILE SYSTEM

HİSAR-O Medium Range Air Defense Missile System is dedicated to air defense of Stationary Forces and Critical Assets against:

- Fighters
- Helicopters
- UAVs
- Cruise Missiles
- Air to Surface Missiles

HISAR-O has a distributed architecture to provide target detection, classification, identification, tracking, command & control and fire control functionalities.

HISAR-O is organized in battalion level and consists of battalion level Fire Control Center (Battalion FCC), battalion level Radar, three HISAR-O Batteries, Tactical Data Link Connection System and Support Vehicles. Battalion FCC produces Integrated Air Picture using track information provided by battalion level Radar and Air Defense Batteries in the Battalion, performs threat evaluation and assignment for Batteries.

One HISAR-O Battery consists of battery level FCC, battery level Radar, Electro-Optical System and Missile Launching Systems. HISAR-O Battery has the capability of target detection, tracking, identification and performing command & control and fire control functions autonomously.

HISAR-O Medium Range Air Defense Missile System is state of the art technology and has open HW&SW architecture for utilizing future technology.

Features

- Air Defense mission planning at battery and battalion level
- Management and distribution of command and control information
- Integrated air picture generation
- 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 Turkish Air/Naval/Land Forces command and control units using Link 1/Link 11B/Link 16 tactical data links and JREAP
- Automatic target tracking 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

Specifications

- System Interception Range   : 25 km
- Ready-to-Fire Missile   : ≥ 18 (Battery Level)
   ≥ 54 (Battalion Level)
- Fighter Detection&Track Range   : 40-60 km
- Number of Tracks   : > 60 targets

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ASELSAN A.Ş. is a Turkish Armed Forces Foundation company.