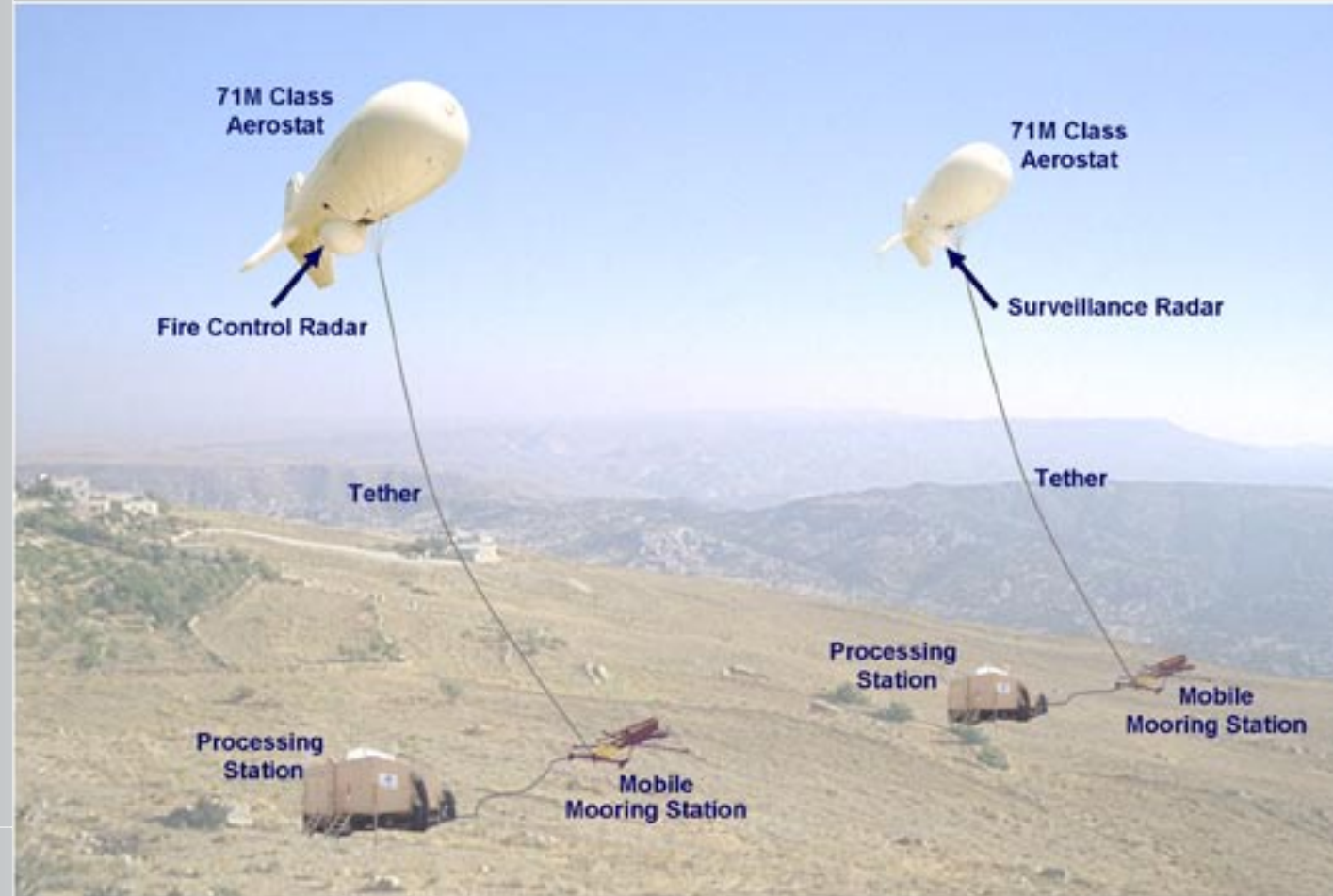


Joint Land Attack Cruise Missile Defense (LACMD) Elevated Netted Sensors Systems (JLENS)

Provides over-the-horizon detection, tracking, and classification of cruise missiles and other air threats so they can be engaged by air-directed surface-to-air missiles and air-directed air-to-air missile defense systems.



DESCRIPTION AND SPECIFICATIONS

Joint Land Attack Cruise Missile Defense (LACMD) Elevated Netted Sensors System (JLENS) is a low-cost, long-duration airborne sensor suite consisting of a large, elevated sensor and networking technologies that provide 360-degree, wide-area surveillance and precision tracking of land-attack cruise missiles. The system's surveillance provides a long-range air picture enhanced by friend-or-foe identification. This information, distributed via the Joint Data Network and Joint Composite Tracking Network, contributes to the single integrated air picture. JLENS prioritizes remote and local tracks autonomously or accepts external requests for precision tracking and engagement support.

JLENS performs as a multi-role platform to enable extended range command-and-control linkages, communications relay, and battlefield situational awareness. A key element of the Army Future Force, JLENS integrates data from multiple sensors and command, control, communications, and intelligence (C4I) networks, and provides correlated data to battle management C4I (BMC4I). JLENS provides battlefield commanders the following capabilities:

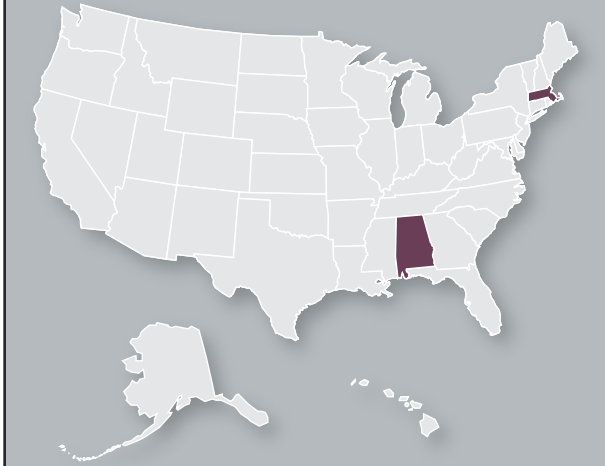
- 3-D situational awareness and situational understanding
- Detection and tracking of low-altitude threats (cruise missiles and aircraft) that may go undetected by surface-based sensors due to terrain masking and line-of-sight locations of targets
- Contributions to the integrated air picture
- Operational maneuver support from strategic distances
- Detection and tracking of surface moving targets.

PROGRAM STATUS

- **2QFY04** Operational requirements document approved by the Joint Requirement Oversight Council
- **1QFY05** Concept and technology development phase of the acquisition cycle. JLENS assigned to the Program Executive Office, Air, Space and Missile Defense

PROJECTED ACTIVITIES

- **3QFY05** Defense Acquisition Board Milestone B review



CONTRACTORS

Raytheon Systems Company Integrated Defense Systems (Bedford, MA)
CAS-Systems Engineering and Technical Assistance Support (Huntsville, AL)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- Concept and Technology Development