MEADS®
MEDIUM EXTENDED AIR DEFENSE SYSTEM
MEADS® – WORLD CLASS THEATER AIR & MISSILE DEFENSE

MEADS has been developed to defeat next-generation threats including tactical ballistic missiles (TBMs), unmanned aerial systems, cruise missiles, and aircraft. Proven hit-to-kill technology provides the best defense against TBMs armed with weapons of mass destruction. MEADS is the first air and missile defense (AMD) system that provides continuous on-the-move protection for maneuver forces. MEADS also provides area defense, homeland defense, and weighted asset protection.

- **360-Degree Protection.** MEADS defeats cruise missiles, TBMs, and air-breathing threats attacking from any direction, with no blind spots.
- **Transportability and Mobility.** Lightweight, efficient MEADS Major End Items (MEIs) need less strategic and tactical transport. MEADS is C-130/A400M transportable and has excellent cross-country mobility on ground.
- **Netted-Distributed Architecture with Plug-and-Fight.** MEADS provides operational flexibility to tailor battle elements using distributed sensors, launchers, and tactical operations centers (TOCs). Through its plug-and-fight capability, MEADS sensors, effectors, or other TOCs simply act as nodes on the MEADS network. A commander can dynamically add or subtract elements without shutting the system down. A standardized interface extends plug-and-fight to non-MEADS elements. This flexibility is unprecedented for ground-based AMD systems.

**MEADS MILESTONES**

- Unprecedented 360-degree target intercept in November 2012
- First-ever 360-degree dual intercept in November 2013
- Network interoperability demonstrated in JPOW13 exercises.
- Plug-and-fight connectivity with Army Integrated Battle Command System demonstrated at White Sands Missile Range.
- Comprehensive two-week system test at Pratica di Mare Air Base demonstrated advanced network capabilities using military personnel.
- MEADS has been selected as the foundation for Germany’s network-based air and missile defense system.

**MEADS SYSTEM ELEMENTS**

- **Launcher** – Transportable, tactically mobile, rapid-reload design
- **Sensors** – UHF Surveillance Radar and X-band Multifunction Fire Control Radar both protect with 360-degree coverage
- **BMC4I** – Netted, distributed, automated communications network with integrated Engagement Operations/Force Operations (EO/FO)
- **PAC-3 MSE Missile** – Advanced missile has hit-to-kill accuracy at all altitudes and in clutter

**Contact Information**
MEADS International, Inc.
P.O. Box 691749
Orlando, FL 32869-1749
Phone: (407) 356-8400  Fax: (407) 356-8422
http://www.meads-amd.com

**Interoperability.** Designed for coalition fighting, MEADS shares communications with external sensors and data links such as airborne C3 systems, ACCS, SAMOC, AEGIS, THAAD, and Patriot.

**Survivability and Sustainability.** MEADS defends the force and defends itself. High off-road mobility, dispersion, and availability provide additional protection for the system. ECM resistance and distributed workload increase survivability. Graceful degradation and optimized on-board provisions result in high operational availability. Diagnostics minimize downtime and reduce resources to sustain fielded systems for extended periods.

**Lower Operation and Sustainment Costs.** Advanced logistic design and reliability reduce cost of ownership. No maintenance company is required. Using its 360-degree defensive capability, advanced radars, and PAC-3 MSE missile, MEADS defends up to eight times the coverage area with far fewer system assets and significantly reduces demand for deployed personnel and equipment, which reduces demand for airlift.

Copyright 2016 Lockheed Martin Corporation. All Rights Reserved. MEADS® is a registered trademark of MEADS International, Inc.