

A THAAD missile is shown in mid-launch, ascending steeply into a dark night sky. A large, bright plume of fire and white smoke trails behind the missile. Below the launch, a mobile launcher vehicle is visible, partially obscured by the smoke and fire. The overall scene is illuminated by the intense light of the missile's engines.

THAAD

ENDO/EXO-ATMOSPHERIC INTERCEPT CAPABILITY

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THAAD OVERVIEW

The Terminal High Altitude Area Defense (THAAD) system is a key element of the Ballistic Missile Defense System (BMDS). The system defends U.S. troops, allied forces, population centers and critical infrastructure against short and medium-range ballistic missiles.

Each THAAD system is comprised of five major components: interceptors, launchers, a radar, a fire control unit, and support equipment. THAAD is managed by the Missile Defense Agency; Lockheed Martin serves as the prime contractor and systems integrator; and the THAAD system is operated by the U.S. Army.

THAAD'S ADVANCED CAPABILITIES

- Able to engage a wide class of ballistic missile threats in both the endo- and exo-atmosphere using proven hit-to-kill technology
- Effective against all types of ballistic missile warheads including Weapons of Mass Destruction (WMD)
- Designed to counter mass raids with its high firepower (up to 72 interceptors per battery), capable organic radar and powerful battle manager and fire control capability.
- Mobile and rapidly deployable to provide warfighters with greater flexibility to adapt to changing threat situations around the globe.
- Interoperable with other BMDS elements, working in concert with Patriot and PAC-3, Aegis, forward based sensors and the Command, Control, Battle Management and Communications (C2BMC) to maximize integrated air and missile defense capabilities

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THAAD MILESTONES

- The U.S. Army is scheduled to activate the 5th of 7 programmed THAAD batteries in 2015.
- In April 2013, the U.S. Army conducted the first-ever operational deployment of a THAAD battery. THAAD remains deployed in Guam to defend against regional missile threats and reinforce regional stability.
- THAAD has consistently exceeded U.S. Army operational readiness standards both in the United States and while forward deployed.
- THAAD has a 100 percent mission success rate in 13 consecutive flight tests since 2005, including 11-for-11 successful intercepts.
- The United Arab Emirates (UAE) became the first International partner to procure the THAAD system with a contract awarded in December 2011. THAAD's unique layered defense capabilities have resulted in a strong interest for the system in the Middle East, Asia Pacific, and Europe.
- Lockheed Martin has conducted new equipment training and replacement training for over 1,500 Soldiers at Fort Bliss, Texas. The THAAD Institutional Training Base at the U.S. Army Fires Center of Excellence was officially opened in January 2015 and continues to train THAAD crew members and leaders.



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