LOCKHEED MARTIN

Javelin®

The World's Most Versatile
Anti-Tank Weapon System

Javelin

Javelin, is a man-portable and platform-employed multi-purpose weapon system, providing capability to defeat a broad spectrum of close combat threats on the modern battlefield. Javelin's optimized trajectory, automated guidance and high penetration capability provides unparalleled performance against heavy and light armor, as well as "soft" and irregular targets. Developed and produced by the Raytheon/Lockheed Martin Javelin Joint Venture, Javelin is used as the mainstay Brigade Combat Team weapon for the U.S. Army and U.S. Marine Corps.

Using "fire-and-forget" technology, the weapon guides itself to the target without external commands, controls or target designation – allowing soldiers and platform assets to rapidly engage a second target, take cover or reposition. To further increase operator survivability, Javelin can employ a top-attack target engagement trajectory using a low signature, minimum smoke motor that reduces engagement detectability by the enemy. An infrared seeker enables day/night all-weather operations that, together with sophisticated signal processing and tracking/guidance algorithms, provide high accuracy precision engagements as well as robust counter-measure resistance for the modern battlefield environment.

The tactical system, composed of the Command Launch Unit (CLU) and all-up round, is single man-portable and routinely transported by dismounted forces in combat conditions. The system is qualified for transport by ground tactical and transport vehicles, as well as rail, sea and air transport. The CLU provides all-weather battlefield surveillance and targeting by means of visual and long-wave infrared optics and provides detection, recognition and identification capability, supporting operations across the engagement envelope.

While Javelin has traditionally been used as a dismounted weapon, Javelin has also been integrated onto numerous fixed platforms and vehicles. For this use, the standard configuration round is mounted onto a remote weapons station or manned/unmanned turret using a modest integration kit.

After over 20 years of performance, Javelin is in-service with the U.S. military and more than 25 allied countries. During that time, more than 50,000 missiles have been produced. The Javelin system is anticipated to be in the U.S. military's operational inventory through 2050, and has a robust upgrade program to retain overmatch against emerging threats and to support evolving operational needs.

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SPECIFICATIONS

RANGE:	65 meters to 4 kilometers in most operational conditions
CLU SIGHTS:	4x day and 4x or 12x thermal
GUIDANCE:	Automous fire-and-forget operation using a passive imaging infrared seeker
WARHEAD:	Tandem-shaped charge multi-purpos
WEIGHT:	25 lb (11.8 kg) missile 15.4 lb (7.0 kg) CLU 34 lb (15.5 kg) round
LENGTH:	42.6 in (108.2 cm) missile 47.2 in (119.8 cm) launch tub
DIAMETER:	5.0 in (12.7 cm) missile 5.6 in (14.2 cm) launch tube
STORAGE:	Temperatures maintained between -46°C to +71°C

FEATURES

- Soldier or platform employable
- Fire-and-forget operation for enhanced operator survivability and probability of hit
- Effective against all known armor
- 94 percent reliability
- More than 99 percent availability
- Easy-to-use
- Operable through adverse weather/battlefield obscurants
- Sensors within the seeker provide resistance to countermeasures