



LOCKHEED MARTIN
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Long Range Land Attack Projectile (LRLAP)
Guided Projectile for the U.S. Navy





PD079-085

Lockheed Martin's LRLAP, developed under contract with AGS prime contractor BAE, is the longest-range projectile in Navy history.



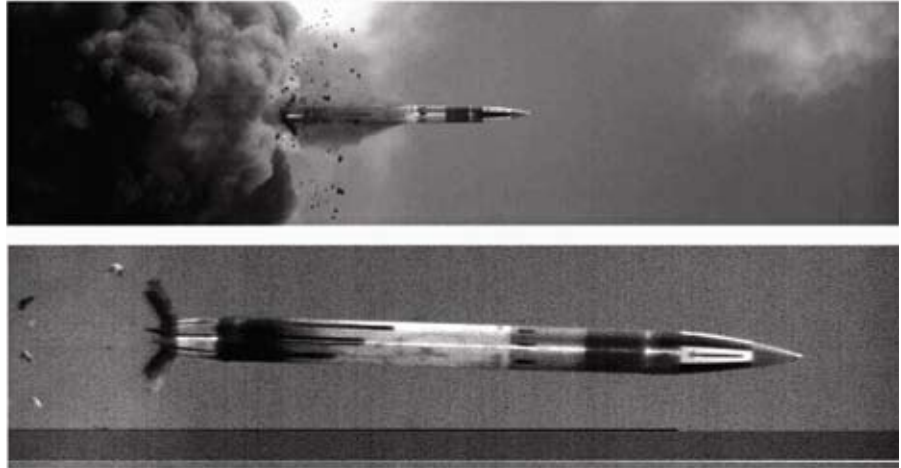
PD079-086

LRLAP delivers single-round littoral lethality to a wide range of targets ashore with minimal risk of collateral damage.

LRLAP

LRLAP is part of a family of 155-mm projectiles designed to be fired from the Advanced Gun System (AGS) for the U.S. Navy's next-generation DDG 1000 destroyer. It provides precision fire support to Marine Corps and Army forces engaged in expeditionary assaults or urban operations in coastal cities, with minimal collateral damage, from a safe standoff distance offshore.

LRLAP has three times the lethality of traditional 5-inch Naval ballistic rounds and the future guided projectile, meaning fewer rounds can produce similar or more lethal effects at less cost. To withstand the punishing gun-launch environment, LRLAP uses the world's most advanced, g-hardened electronics, including a global positioning system (GPS) and inertial measurement unit (IMU), to provide a precision munition that maximizes effectiveness and minimizes collateral damage.



Lockheed Martin drew on decades of experience in developing and manufacturing guided projectiles to create g-hardened LRLAP components that can withstand the punishing gun-launch environment.

Features

- All-weather, 24/7 long-range off-shore fire support for U.S. Army and Marine Corps coastal operations
- Longest-range projectile in Navy history, with maximum range in excess of 70 nmi
- INS/GPS-guided for precision accuracy and minimal collateral damage
- Single-strike lethality against a wide range of targets
- Firing rate of 10 rounds per minute per gun
- g-hardness of design demonstrated in live firings
- Builds on legacy of excellence in guided projectiles

Specifications

Range:	74 nmi
Guidance:	INS/GPS
Warhead:	Blast Frag
Weight:	230 lb (104 kg)
Length:	88 in (2.2m)
Diameter:	6.1 in (155 mm)
Wingspan:	18 in (0.45m)

Lockheed Martin Corporation
Missiles and Fire Control
Business Development
Phone: (407) 356-4464
Fax: (407) 356-7199
www.lockheedmartin.com/mfc

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