

LOCKHEED MARTIN

We never forget who we're working for®



MLRS® M270 Series Launchers
Ever-Evolving Family of Launchers



MLRS

M270 Series Launchers Fielded Throughout the World



The Multiple Launch Rocket System® is a highly mobile, automated system that fires surface-to-surface rockets and missiles from the M270 family of launchers. MLRS launchers and rockets are now in the inventories of (or have been ordered by) France, Germany, the United Kingdom, Italy, Finland, Egypt, Israel, Japan, Norway, Denmark, Turkey, Greece and South Korea. M270 launchers offer manpower savings, massive firepower and survivability due to their armor and “shoot and scoot” capability.

The M270 launcher is designed so its three-man crew can drive to a firing site, stop, conduct one or more fire missions and quickly depart the firing site without ever leaving the cab. An entire 12-rocket load can be ripple-fired in less than one minute, and the crew of three can rapidly reload with two sixpack launch pod containers. Each rocket is quickly and automatically fired by the fire control system, which re-aims the launcher after each shot.

The launcher also contains its own position determining system, which enables the crew to know where it is at all times and eliminates the necessity of firing from surveyed positions. This armored, tracked mobile launcher uses a stretched Bradley chassis and gives the MLRS cross-country capability comparable to that of the M-1 tank.

M270A1

Lockheed Martin, under contract to the U.S. Army, completed an upgrade of more than 220 launchers to M270A1 in 2005. The new M270A1 launcher appears identical to existing M270s, while incorporating an improved fire control system (IFCS) and an improved launcher mechanical system (ILMS).

The IFCS upgrade includes a new fire control panel with video, a full keyboard, additional program storage and GPS aided navigation. And, with distributed multiprocessor technology, the IFCS processes large blocks of data from new precision munitions within tactical timelines. Operating and maintenance costs are reduced because of greater reliability and ease of repair on IFCS parts.

The ILMS dramatically reduces the time needed to aim and reload the launcher. In a typical fire mission, the ILMS-equipped launcher is six times faster than the M270 launcher. Reload time is decreased by more than 30 percent. Crew and launcher survivability is greatly enhanced because total exposure time on the battlefield is significantly reduced. The M270A1 launcher, featuring improved survivability, reduced operating cost, increased munition options and GPS-aided navigation, was combat proven in Operation Iraqi Freedom.



Specifications

- Greatly increased responsiveness
- 83 percent reduction in aim time
- 38 percent reduction in reload time
- 38 percent reduction in O&S costs
- Embedded GPS/INS
- Advanced fault isolation capability
- Combat proven and survivable

International M270 Upgrades

Lockheed Martin delivered the first M270B1 to the British Army in September 2006. Like the M270A1, but modified to meet unique British requirements, the M270B1 is a highly mobile, armored, automated system that fires surface-to-surface rockets and missiles. In fact, the M270B1 enhanced armor package, protected its crew from a direct IED attack during operations in Iraq.

Since that time, Lockheed Martin has continued to offer M270 upgrades to meet other countries' specific requirements. Lockheed Martin is under contract to upgrade M270 launchers for a number of countries, including Finland, Japan and the United Kingdom. The M270 upgrade is intended to provide the capability to fire precision munitions, mitigate obsolescence, reduce sustainment cost and enhance reliability. Additional changes the host country chooses to incorporate into the launcher can be completed at the same time.

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