

## PAC-3 MSE PROPULSION

### Powering air and missile defense to protect our warfighters, allies and partners

We continue to build upon our proud legacy of powering the PAC-3 by investing in state-of-the-art facilities and new technology to increase capacity, speed delivery and extend missile range.

#### PAC-3 MSE

The Phased Array Tracking Radar to Intercept of Target (PATRIOT) Missile protects U.S. and allied forces from advanced aircraft, cruise missiles and tactical ballistic missiles. The PATRIOT Advanced Capability-3 (PAC-3) Missile Segment Enhancement (MSE) Missile Defense System is a land-based mobile guided missile system that provides further performance enhancements that counter new and evolving threats. The PAC-3 is a high-velocity interceptor with long-range, medium to high-altitude and all-weather capability that uses hit-to-kill technology to intercept a variety of incoming threats.

Compared to the PAC-3 Cost Reduction Initiative (CRI) variant, the PAC-3 MSE provides greater speed and maneuverability, as well as a larger dual-pulse solid rocket motor and tail fins. The PAC-3 MSE is the world's most advanced air and missile defense system and can deliver exponentially more kinetic energy to defend against threats.



Image credit: Lockheed Martin

#### INVESTMENTS IN MODERNIZATION

##### PAC-3 MSE Motor

In 2022, L3Harris opened a 51,000 square foot facility at its Camden, Arkansas site, where the company is now producing the PAC-3 MSE's revolutionary dual-pulse motor. The new building consolidates multiple manufacturing activities and adds advanced equipment, improving operational efficiency, increasing production capacity, reducing costs and providing for even safer operations. The facility results in a reduction in the need to transport motors across the site during manufacturing by more than 90%.

##### PAC-3 MSE Attitude Control Motors

Through significant building upgrades, increased manufacturing space, improvements to automated production processes and new equipment, the Camden site has expanded production lines, increasing ACM production by 40%.



Image credit: Lockheed Martin

#### OUR ROLE

As the proven provider of PAC-3 MSE propulsion to Lockheed Martin and the U.S. Army, L3Harris supplies:

- > The advanced two-pulse solid rocket motor, which provides increased performance in both altitude and range
- > The Lethality Enhancer, a detonating warhead that increases lethal diameter against ballistic missiles
- > The Attitude Control Motors (ACMs) that fire explosively for the PAC-3 MSE. Each PAC-3 is equipped with 180 ACMs that fire with precision to refine the missile's course and ensure body-to-body impact flexibility

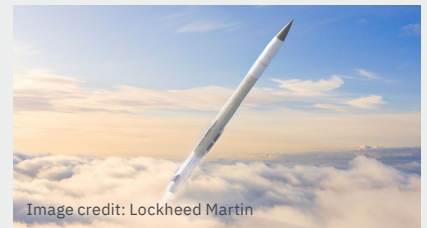


Image credit: Lockheed Martin

L3Harris has supported the PAC-3 missile system since its inception and powers every PAC-3 variant in production.

#### PAC-3

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