

## **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.



#### **PAC-3 Sell Sheet**

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L3Harris Technologies is the Trusted Disruptor in the defense industry. With customers' mission-critical needs always in mind, our 50,000 employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security.



#### **AEROJET ROCKETDYNE'S ROLE**

As the proven provider of PAC-3 MSE propulsion to Lockheed Martin and the U.S. Army, Aerojet Rocketdyne 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



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

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