



LOCKHEED MARTIN 
We never forget who we're working for®

P-3 Orion

The World Standard for Maritime Patrol





No Matter the Mission . . . the P-3 Performs

The P-3 Orion is a peerless airborne hunter. Its reputation as the ultimate submarine finder is earned through more than 45 years of service, from the Cuban Missile Crisis to round-the-clock, low-profile patrols throughout the Cold War. The P-3 remains a relied-upon asset today and has proved to be remarkably well adapted for maritime patrol and overland surveillance in the post-Cold War world. In fact, no other aircraft is better suited. Regardless of the mission, the P-3 brings proven performance and sophisticated technology to meet the most demanding operational needs.

A World-Renowned Force Multiplier

The P-3 Orion is a force multiplier that has set the standard for maritime patrol for more than four decades and remains the standard today. P-3s are on patrol 24/7, performing vital missions around the globe. The Orion often operates in direct support of deployed combat units and in numerous homeland defense capacities.

Key Roles and Missions

Uniquely suited as the world's premier multimission maritime long-endurance aircraft, the P-3 performs air, surface and subsurface patrol and reconnaissance tasks over extended periods and far from support facilities. More than 400 P-3s are in service with 21 operators, representing 16 countries.

P-3 Multimission Maritime Aircraft Capabilities

Integrated State-of-the-Art Maritime Airborne Mission System provides open-standard interfaces, enables networked-node participation and provides timely information to tactical users and command centers.

Advanced Synthetic Aperture Radar with multimode-operation capability provides periscope and small target detection, navigation, weather avoidance and long-range surface search.

Sophisticated Electro-Optical Infrared Sensor offers 360-degree day-and-night detection and identification capability at tactically significant ranges.

Advanced Acoustic and Nonacoustic Sensors are integrated into a seamless mission avionics system that enables maximum crew efficiency and workload sharing.

Proven Maritime Surveillance Software enables operators to effectively detect, classify, identify and target surface and subsurface threats.

Large Internal Weapons Carriage accommodates all current and planned internally carried maritime patrol weapons in quantities sufficient for multimission and multitarget engagement.

Ten External Weapon Hardpoints carry stores weighing as much as 2,000 pounds (907 kilograms) each, including the most modern mines, anti-submarine and anti-surface missiles, bombs and other stores.

ASLEP Ensures Uninterrupted Service for an Additional 20–25 Years

Our objective: To keep the P-3 aircraft operationally valuable and structurally viable for decades to come.

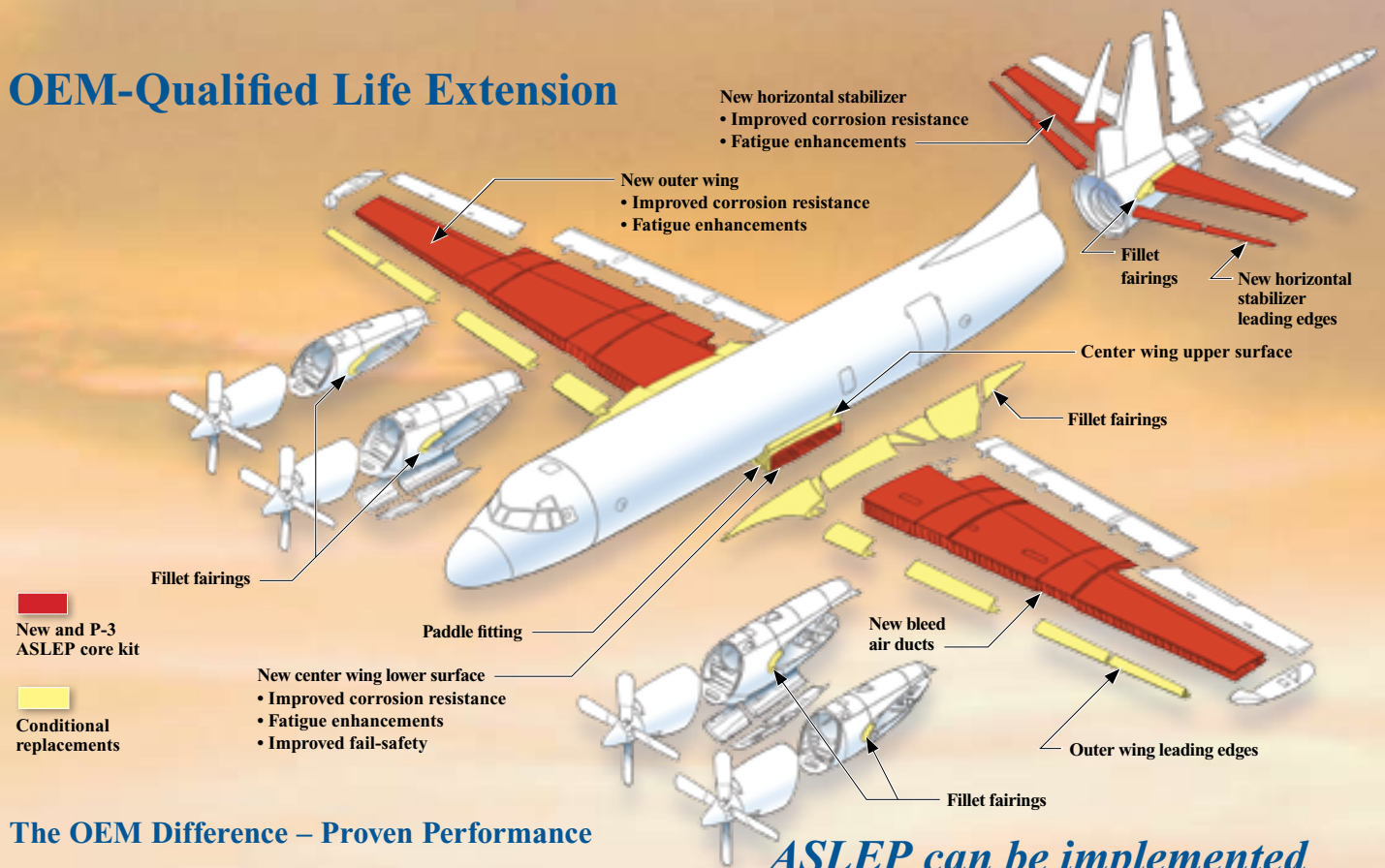
The Aircraft Service Life Extension Program (ASLEP) is the only certified, low-risk and cost-effective solution to extend aircraft service life.

ASLEP consists of a life extension kit that replaces the aircraft outer wings, center wing lower section and horizontal stabilizer with new production components. ASLEP removes all current P-3 airframe flight restrictions and provides 15,000 additional flight hours.

The design replaces all fatigue-life-limiting structures on the aircraft with enhanced-design components and new improved corrosion-resistant materials that will greatly reduce the cost of ownership over the aircraft's remaining service life.



OEM-Qualified Life Extension



The OEM Difference – Proven Performance

The Lockheed Martin P-3 sustainment approach is proven. For example, data was collected by the Royal New Zealand Air Force on their fleet of P-3 aircraft before and after implementation of their life extension program. The results showed more than a 58 percent decrease in maintenance hours and a 10 percent increase in aircraft flying hours. This is the original equipment manufacturer (OEM) difference.



Lockheed Martin's Aircraft Service Life Extension Program is the only one of its kind for the P-3 Orion.

ASLEP can be implemented on a defined schedule at a predictable cost.

Lockheed Martin Is Committed to Sustaining, Supporting and Refreshing the P-3

- **Sustain.** Full spectrum of P-3 airframe service life extension alternatives and aircraft system upgrades.
- **Support.** Lifetime support such as performance-based maintenance strategies, OEM engineering services and training, all tailored to meet customer needs for effective fleet operation to 2025 and beyond.
- **Refresh.** Proven mission system and sensor upgrade solutions coupled with continuous technology insertions to address ever-emerging threats and customer needs.



Lockheed Martin
Aeronautics Company
P.O. Box 748
Fort Worth, TX 76101
www.lockheedmartin.com

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