

AI Transformation in Defense & Deterrence: Lockheed Martin Abating the Challenges

<https://www.lockheedmartin.com/en-us/capabilities/maritime-systems.html>

The Challenge

- Drones and AI are advancing quickly, creating new risks for military and homeland security teams.
- Staying ahead requires faster, smarter ways to spot and stop threats.

Executive Perspective

Lockheed Martin Vice President Paul Lemmo highlights three essentials for countering today's drone threats:

1. Smarter AI tools that help operators detect and decide in real time
2. Flexible, open systems that connect across missions and technologies
3. Layered defenses like Sanctum™ that adapt to protect people and critical assets

Why It Matters

- **Proven systems show what works in real-world missions.** Lessons from air and missile defense technology like the Aegis Combat System give operators confidence that new solutions aren't just theory—they're built on technologies that have already protected lives and missions.
- **AI-driven defenses close today's capability gaps.** Forces gain faster detection, smarter recommendations, and reliable responses against drone threats that are growing more complex by the day.
- **Electronic Warfare**
Electronic Warfare (EW) represents the ability to use the electromagnetic spectrum—signals such as radio, infrared or radar—to sense, protect, and communicate. At the same time, it can be used to deny adversaries the ability to either disrupt or use these signals.
- **Cyber**
We're delivering full-spectrum cyber capabilities and cyber resilient systems to our defense, intelligence community and global security customers.
- **Autonomy/Artificial Intelligence**
Integrating across the land, sea, air, space, cyber and electromagnetic spectrum domains is a job for our artificial intelligence and autonomy technologies.