



Electronic Warfare Systems



Raytheon Electronic Warfare (EW) Systems is a world leader in the development and production of EW products for strategic and tactical aircraft, helicopters, and surface ships for the U.S. Air Force, U.S. Navy, and their international counterparts.

Benefits

- More than 50 years experience developing and producing EW systems
- Complete line of EW products and systems integration expertise
- Combat-proven product performance
- Capabilities spanning the breadth of EW technology
- State-of-the-art facilities and ISO-9001 certified

Experience and Expertise

Raytheon's EW Systems organization is a technology leader in electronic warfare systems and systems integration. For more than 50 years, EW Systems has built a worldwide reputation for developing and producing electronic defense systems with outstanding performance and reliability.

Raytheon's EW product line is one of the most complete in the world, with a primary focus on electronic countermeasures (ECM) to protect U.S. and allied aircraft and ships against enemy attack. Major ongoing EW Systems programs include:

- ALE-50 towed decoy system
- ALR-67(V)3 radar warning receiver
- ALR-69A(V) radar warning receiver
- ALQ-184 self-protect jamming pod
- ALQ-184(V)9 ECM self-protect jamming pod

- Advanced Self-Protection Integrated Suite (ASPIS)
- SLQ-32 shipboard defense system
- Infrared missile warning sensors

Combat-Proven Performance

EW Systems provides field-deployed and combat-proven EW technology products that intercept, identify, counter, and divert threats. It's products increase survivability and support information dominance in complex signal environments. Customer satisfaction and the superior defense of U.S. and allied military troops are the cornerstones of the business. Renowned for combat-proven performance and quick reaction in times of national crisis, EW Systems products have helped protect troops in military conflicts including Kosovo, and Operations Iraqi Freedom, Desert Storm, and Desert Fox. The ALQ-184 ECM pod was so successful in Desert Storm that *Air Force Magazine* commented:

"The ALQ-184 did a great job of bamboozling enemy radar-guided missiles. It gets much of the credit for the Air Force's astonishingly low losses."¹

Technological Breadth

Raytheon's EW products are consistently at the forefront of technological innovation. EW Systems offers technological capabilities that include:

- High-power RF transmitters
- Fully channelized receiver architecture
- Rotman lens/phased array multibeam antennas
- Sensor system integration
- Multicolor, infrared missile warning
- Wideband, high-speed digital signal processing
- High-power/high-density power supplies
- Avionics packaging

State-of-the-Art Facilities

The EW Systems facility comprises more than 200,000 sq. ft. of office, production, and laboratory space. Engineering expertise in the areas of electrical, mechanical, software, and product support is available on site and at Raytheon Space and Airborne Systems' headquarters in nearby Los Angeles, Calif. The Goleta site includes an environmental test lab, antenna anechoic chambers, signal environment range, water reflection range, multiple special access facilities, and sophisticated engineering laboratories. EW Systems is ISO-9001 certified and offers extensive production capabilities housed in a state-of-the-art 72,000-sq. ft. manufacturing facility.

EW Systems is located in one of the country's most desirable communities. Framed by the Santa Ynez Mountains and the Pacific Ocean, the Goleta-Santa Barbara area has retained a refreshing balance of urban development, agriculture, and open space. Santa Barbara is known worldwide for its exceptional beauty, boasting crystal-clear air, stunning scenery, and white sand beaches lined with palm trees. Popular activities include a variety of outdoor sports as well as numerous cultural and architectural attractions.



Highly advanced engineering/manufacturing capabilities are driven by strict quality controls and attention to detail.



Raytheon EW Systems is located in a state-of-the-art engineering and manufacturing facility adjacent to the Santa Barbara Municipal Airport in Goleta, California.

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