

Electronic Warfare

# COUNTER EVERY THREAT





# Protecting the warfighter

**Photonis is a leading provider of Electronic Warfare solutions to militaries around the world. Our continual innovation and development allows warfighters to make the first move against any threat.**

## Electronic Warfare Relies on Photonis

For over six decades Photonis has provided microwave, millimeter and radio frequency (RF) components and sub-systems for electronic warfare devices installed on some of the military's most widely deployed platforms.

Delivering superior RF amplification across a wide range of frequencies, Photonis Traveling Wave Tubes (TWTs) are a versatile and highly reliable solution for specific bandwidth applications and broadband multi-octave requirements, supporting radar jamming across multiple sources and multiple frequencies.

Photonis TWT and TWT Amplifiers are customized to support your requirements for continuous wave or pulsed operations at varying frequencies and power levels, depending on the threat. Our Microwave Power Modules combine Solid State (SS) amplifiers and TWT technology in a compact form to support both microwave and millimeter wave frequencies, making them ideal for jamming solutions such as decoys and pod or internally mounted jammers.



# Detect and deny

**Our patented technologies support a wide range of Electronic Warfare capabilities and tactics. From target detection, realistic training and simulation to decoys and jammers, Photonis ensures the safety of assets and lives on the ground, in the air and at sea.**

## Warfare Simulators

Warfighters rely on extensive, high-quality simulation and training to hone skills critical for survival. Photonis has over six decades of experience engineering and modelling Electronic Warfare solutions for realistic simulations of noise, deception and transponder tactics for superior training preparation.

- Weapon System Simulators
- Jamming Simulators
- Countermeasure Training

## Electronic Countermeasures

Fast, reliable detection of incoming threats is a critical component in warfare superiority. Photonis products provide the critical technology essential for target augmentation, signal jamming, expendable and shipboard launch decoys and self-protecting countermeasures.

- Active Countermeasures
- Towed or Expendable Decoys
- Radar and Signal Jamming
- Target Augmentation or Deflection

## Supporting Land, Air and Sea

Photonis products are widely installed on fixed-wing and rotor airborne platforms, including, AC-130H, MC-130E, AH-1, AH-64 and a wide range of aircraft flown by a variety of nations including the F-15, F-16 and F-18. Our shipboard programs include the SLQ-32 and are installed on the Aegis, Burke and CVN platforms.

Photonis products are included in a wide range of simulators supporting shipboard, airborne and UAV situations, including the DLQ-3B, ALQ-188 and the versatile ALQ-167.



# PHOTONIS

Power and Microwave

---

**Photonis USA Pennsylvania, Inc.**

1000 New Holland Avenue  
Lancaster, PA USA 17601

**T** +1 717 295 6888  
**F** +1 717 295 6096  
**E** info@photonisusa.com

Photonis USA Pennsylvania Inc. operates under a Special Security Agreement (SSA) with the Defense Security Service of the United States Department of Defense

**[www.photonis.com](http://www.photonis.com)**

© 2016 Photonis USA Pennsylvania, Inc. The information furnished is believed to be accurate and reliable, but is not guaranteed and is subject to change without notice. No liability is assumed by Photonis for its use. Performance data represents typical characteristics as individual product performance may vary. Customers should verify that they have the most current Photonis product information before placing orders. No claims or warranties are made as to the application of Photonis products. Pictures may not be considered as contractually binding. This document may not be reproduced, in whole or in part, without the prior written consent of Photonis.