

## **GLADIUS™**

### Open architecture to meet evolving electromagnetic warfare threats

Modern electronic warfare (EW) challenges ground and maritime forces with increasingly complex threats across domains. Gladius applies artificial intelligence (AI) and adaptive waveforms to rapidly generate countermeasures in coordination with networked assets.

#### **BUILT ON A LEGACY OF EW LEADERSHIP**

With unparalleled expertise and a relentless commitment to innovation, L3Harris is revolutionizing electronic warfare (EW), designing systems to help warfighters detect, respond to and overcome these challenges.

Its newest solution, the Gladius family of Next-Generation Multimission Electromagnetic Countermeasures (NG-MM-ECM) systems, ensures that warfighters maintain a tactical edge, outmaneuvering and defeating the most sophisticated systems.

Gladius provides ground and maritime warfighters with advanced protection against a wide variety of electro-magnetic attacks. The system analyzes incoming signals, identifies potential threats and uses adaptive algorithms and AI to automatically recommend the most effective countermeasures.

L3Harris collaborated on the original standards for U.S. military ground EW requirements in the early 2000s. The company has deep knowledge of the EW battlefield and the ability to collaborate with varied partners to provide for continually evolved solutions to new threats.

#### **ALIGNS WITH MODERN OPERATIONS**

The Gladius family offers a comprehensive, demonstrated solution to affordably enhance situational awareness, mission effectiveness and force protection, making it a critical asset for modern military operations. The system integrates seamlessly with existing platforms and networks, ensuring countermeasures can be coordinated across assets and domains. It features enhanced system reliability, advanced protection against cyber threats and reduced collateral-damage risk.

#### **KEY BENEFITS**

- > Adaptive algorithms and AI power dynamic responses to changing threats
- > Open architecture and modularity offer affordable mission flexibility
- > Integrated capabilities eliminate the need for multiple solutions
- > Multimission features protect against RCIEDs, C-UxS and electronic attacks
- > Interoperability enables integration into family of systems
- > Ability to incorporate best-of-breed technologies from across the defense EW community ensures evolutionary capabilities



## GLADIUS SOLUTION ADVANCES ADAPTABILITY AND INTEROPERABILITY

- > **Static/dynamic algorithms and artificial intelligence (AI):**  
Reduces operator workload and improves decision-making efficiency
- > **System-on-Chip (SoC) and Radio Frequency Integrated Circuit (RFIC) technologies:**  
Integrates multiple missions into a single-mission footprint
- > **Signal intelligence:**  
Detects and analyzes enemy communications and radiofrequency signals
- > **Electronic attack capability:**  
Disrupts enemy operations via jamming, spoofing and other tactics
- > **Optimized hardware and software infrastructure:**  
Offers unparalleled power and flexibility
- > **Form factors:**  
Available as portable, tactical/non-tactical mounted, man-packable and fixed-site
- > **Partnerships:**  
Benefits from coordination with U.S. military organizations, university-affiliated research centers, government labs and nontraditional partners

## ENABLING A VARIETY OF MISSIONS

- > Counter-Unmanned Systems (C-UxS)
- > Counter-weapons of mass destruction
- > Explosive ordnance disposal
- > Force protection
- > Ground-based electronic attacks
- > Situational awareness

Gladius™

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