RUNSAFE SECURITY

# Secure Embedded Military Systems for National Defense

INDUSTRY
Military systems

OVERVIEW

Great Power Competition creates the urgent need for more capable and robust systems. RunSafe Security provides cyber defense solutions proven effective for military use cases, protecting embedded software in weapons systems from cyber exploitation. By implementing RunSafe's advanced security measures, the military safeguards critical systems against unauthorized access, tampering, and sabotage, ensuring operational reliability and mission success.
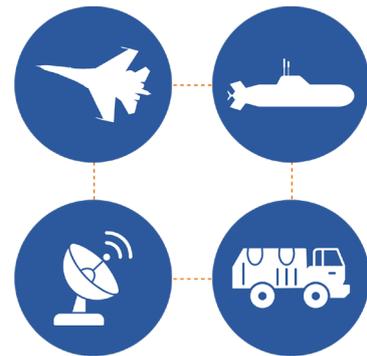
CHALLENGE

Adversaries target software in military systems to compromise weapon functionality. This situation is asymmetric with small cyber attack teams developing kill chains for crucial and costly weapon systems. In addition, traditional cybersecurity measures such as scanning and patching often fall short in addressing the specialized needs of these systems, leaving them exposed to potential threats.
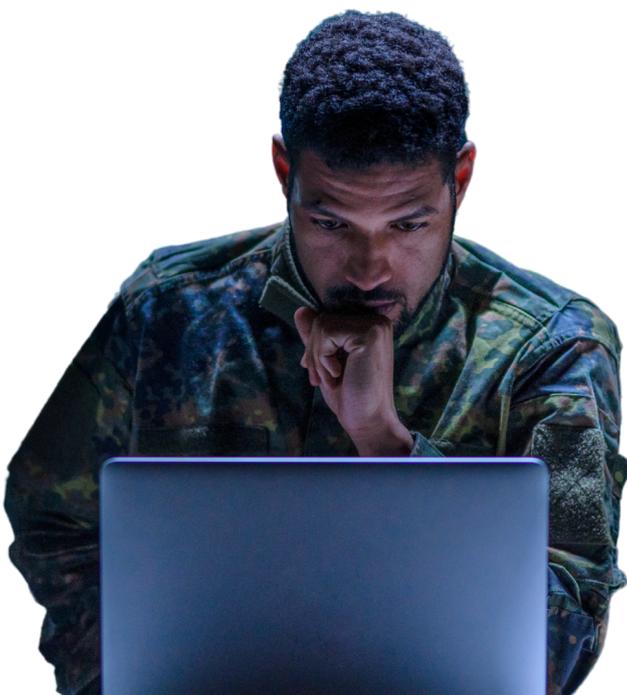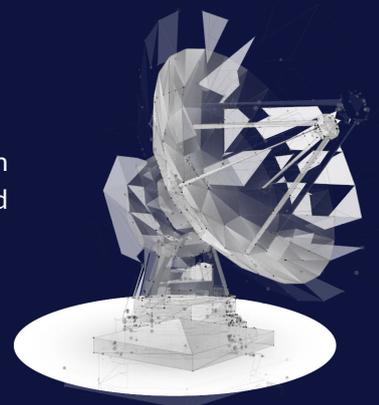
SOLUTION

RunSafe offers a comprehensive cybersecurity solution designed for embedded military systems.

Key features of RunSafe's solution include:

- **Seamless integration:** RunSafe's cybersecurity measures can be easily integrated into existing systems. Integration uses current software build processes and does not change the original functionality of these systems.
- **Automated protection:** RunSafe's solution disrupts attacks before they can impact operations.
- **Minimized attack surfaces:** By employing software memory protection, RunSafe reduces the potential attack surfaces, preventing adversaries from exploiting vulnerabilities and disrupting operations.
- **Futureproof from zero days:** RunSafe's software solutions are designed to eliminate exploitation of the entire class of memory-based vulnerabilities, both known and unknown future vulnerabilities. Memory-based vulnerabilities have the most known exploits targeting them as compared to any other class of vulnerability.

KEY FEATURES

- Automated protection for air, sea, space, and ground systems
- Minimized attack surfaces
- Seamless integration with existing military systems
- Futureproof from zero days

DoD Example

Weapon system programs across the US Department of Defense (DoD) are implementing RunSafe protections. Software development teams, either within the DoD or within a Defense Contractor, integrate RunSafe at build time for protection at run-time. RunSafe implementation has achieved Technology Readiness Level 9 (TRL 9).

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ABOUT RUNSAFE SECURITY, INC.

RunSafe Security proactively protects embedded software for both commercial and defense deployments across critical infrastructure, with comprehensive risk identification, protection, and monitoring, ensuring robust, continuous security without affecting performance. Headquartered in McLean, Virginia, with an office in Huntsville, Alabama, RunSafe Security's customers span the aerospace, defense, energy, industrial, and national security verticals.