



## JUNE 2021

Military AI brought to you by the editors of [Militaryembedded.com](http://Militaryembedded.com) focuses on artificial intelligence technology in the defense and aerospace domain, bringing readers coverage on machine learning, neural networks, and deep learning techniques leveraged in military and aerospace applications.



### DO-178C certifiable software to help integrate machine learning into avionics

EMMA HELFRICH, TECHNOLOGY EDITOR

Intelligent Artifacts announced a new partnership with ConsuNova, a global provider of avionics systems certification services, to develop a software Cert-kit for airborne aerospace solutions.

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### Rebel's Safe Strike software demoed under Abaco Systems, Rebel Alliance partnership

EMMA HELFRICH, TECHNOLOGY EDITOR

Abaco Systems has announced a partnership with Rebel Alliance intended to allow the company to demonstrate their Rebel's Safe Strike software product for Battle Management and Command & Control applications.

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### AI and machine learning to improve mission readiness under AFRL contract

EMMA HELFRICH, TECHNOLOGY EDITOR

SparkCognition Government Systems (SGS) announced that it has won a contract with the Air Force Research Laboratory (AFRL) through its SBIR program. Through this contract, SGS will leverage commercial and artificial intelligence (AI) technologies to explore the uses of machine learning (ML) to enhance aspects of readiness, including manpower planning and decision optimization.

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## AI and robotics used in defense to grow to \$61 billion by 2027, study projects

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The global use of artificial intelligence (AI) and robotics in the defense arena, valued at \$39.22 billion in 2018, is projected to grow at a combined annual growth rate (CAGR) of 5.04% to reach \$61 billion by 2027, according to a study by Research and Markets, "Global Artificial Intelligence & Robotics for Defense, Market & Technology Forecast to 2027."

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## Automated ISR intelligence sharing goal of Hexagon, General Atomics partnership

EMMA HELFRICH, TECHNOLOGY EDITOR

Hexagon US Federal has been selected to partner with General Atomics Aeronautical Systems, Inc. (GA-ASI) to provide geospatial solutions from Hexagon's Luciad Portfolio in support of cutting-edge intelligence, surveillance, and reconnaissance (ISR) projects.

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## Artificial intelligence impact on defense to be enormous, study says

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The future battlefield looks like an artificial-intelligence (AI)-assisted one, where human and machine work together, with AI conducting specific tasks more effectively than a person ever could, according to a new

study from GlobalData, "Artificial Intelligence (AI) in Aerospace and Defense – Thematic Research."

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## Discussing the trajectory of AI-powered military technology

EMMA HELFRICH, TECHNOLOGY EDITOR

In the debut episode of On the Radar, Emma Helfrich and John McHale of Military Embedded Systems discuss the current state of military AI and machine learning (ML), how these advancements are being financed, and the obstacles that stand in innovation's way. Also covered is the concept of defining the ethics of ML-powered systems and DoD research and development funding for AI.

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## DO-178C cert-kit for airborne machine learning to be researched by Intelligent Artifacts

EMMA HELFRICH, TECHNOLOGY EDITOR

Intelligent Artifacts announced that it has been selected for a Phase I SBIR contract award by the US Air Force to conduct research and development (R&D) in pursuit of a "Blue Sky" opportunity for airborne Machine Learning (ML) that meets strict technical standards for safety in aviation.

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## ConfigOS software to automate cyber requirements for CMMC initiative

EMMA HELFRICH, TECHNOLOGY EDITOR

SteelCloud LLC, a Security Technical Implementation Guide and Center for Internet Security compliance automation software developer, announced that they now have a sixth contractor who has chosen to leverage its ConfigOS compliance software to automate the cyber hygiene requirements of the Department of Defense's (DoD) Cybersecurity Maturity Model Certification (CMMC) initiative.

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# Secure Networking: Five Things to Consider

SPONSORED WHITE PAPER

This white paper describes the key considerations in implementing secure networking using advanced switch management software such as Abaco's OpenWare™

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## Securing FPGA based Defense Electronics with Invisible Keys

**Sponsored by:** Intrinsic ID, EndoSec LLC, Intel

**Date:** June 10, 2:00 p.m. ET

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