



APRIL 2021

Military AI brought to you by the editors of [Militaryembedded.com](https://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.



## AI suite and data labeling service now offered for national security missions

EMMA HELFRICH, TECHNOLOGY EDITOR

BAE Systems announced it is offering a suite of artificial intelligence (AI) capabilities and a new data labeling service offering on the Amazon Web Services (AWS) Marketplace for GovCloud (US) to support critical national security missions.

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## High-performance computing R&D contract for Army won by Parsons

EMMA HELFRICH, TECHNOLOGY EDITOR

Parsons Corporation won a five-year \$69 million contract by the U.S. Army Combat Capabilities Development Command (DEVCOM) Army Research Laboratory (ARL) to develop exploratory technology that will aim to provide United States warfighters with the technological edge as part of the Army's future vision.

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## Automated geospatial RF data collection enabled through Mission Space platform

EMMA HELFRICH, TECHNOLOGY EDITOR

HawkEye 360 Inc., company specializing in formation-flying satellites to create a new class of radio frequency (RF) data and analytics, launched Mission Space, the first commercial platform purpose-built to facilitate the analysis of RF geospatial intelligence.

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AI- and sensor-enabled C-UAS to be

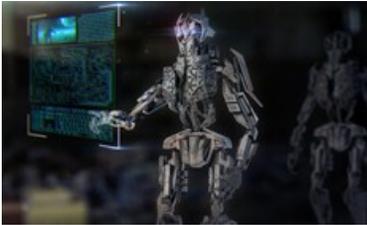


## reinforced for U.S. Navy

EMMA HELFRICH, TECHNOLOGY EDITOR

KBR has won a \$92.6 million contract to perform engineering, integration, and sustainment services on counter unmanned air systems (C-UAS) for the Combat Integration & Identification Systems unit within the U.S. Naval Air Warfare Center Aircraft Division (NAWCAD).

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## "Kill TV," decision science, AI, and the Kill Web

RAY ALDERMAN, VITA TECHNOLOGIES

During the night of 7 October 2001, [Central Intelligence Agency] CIA-controlled Predator drone 3034 was flying over a mud-walled compound in Afghanistan, the suspected hideout of Taliban leader Mullah Omar. The infrared (IR) sensors picked-up heat signatures from three vehicles and a motorcycle leaving and heading toward Kandahar.

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## Centerline Avionics Bay on MQ-9A to pioneer AI and JADC2 capabilities

EMMA HELFRICH, TECHNOLOGY EDITOR

General Atomics Aeronautical Systems, Inc. (GA-ASI) announced that it has flown a company-owned MQ-9A Block 5 Remotely Piloted Aircraft (RPA) equipped with a newly developed Centerline Avionics Bay (CAB). The CAB is intended to provide space to incorporate critical new capabilities for GA-ASI customers.

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## Naval autonomy and AI technology goal of Rolls-Royce R&D funding

EMMA HELFRICH, TECHNOLOGY EDITOR

Rolls-Royce has been awarded funding by the UK Ministry of Defence (MoD) to further develop and demonstrate the Artificial Chief Engineer technology — an autonomous machinery control system which allows Naval vessels to undertake long-endurance missions with less human interaction.

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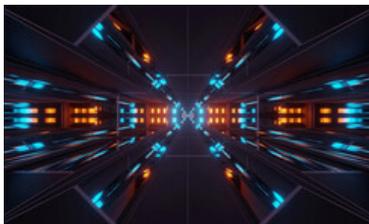


## New Loyal Wingman development contract to focus on advancing AI and teaming tech

EMMA HELFRICH, TECHNOLOGY EDITOR

Boeing Australia announced that the company, along with the Australian government, will co-develop an additional three Loyal Wingman aircraft to advance the air-teaming vehicle, payloads, and associated support and training capabilities.

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## AI and machine learning leveraged in space systems under Lockheed Martin, NEC contract

EMMA HELFRICH, TECHNOLOGY EDITOR

Lockheed Martin and NEC Corporation announced that they have signed a joint collaboration agreement to extend their partnership utilizing NEC's System Invariant Analysis Technology (SIAT). The companies are also finalizing a licensing agreement with a multi-year option.

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## Electronic Warfare Sensor Processing in a SWaP-constrained Environment

SPONSORED WHITE PAPER

How a major technology company turned to Abaco to help develop its planned unmanned aircraft systems UAS platforms with sophisticated sensor subsystems – and the alternatives to its solutions that are enabled by new technologies.

## Expert Discussion: The FACE Technical Standard and Avionics Safety Certification

**Sponsored by:** Wind River  
**Date:** April 29, 2:00 p.m. ET

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