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Military AI brought to you by the editors of 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.



Satellites to be developed with AI to enable fast software upgrades

EMMA HELFRICH, ASSOCIATE EDITOR

The U.S. Air Force and Hypergiant, a private technology company in Texas, have started to develop new satellites designed to be capable of quick software changes in orbit to respond to threats and to carry out new tasks.

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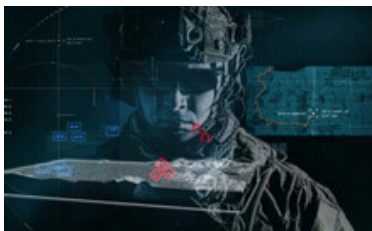


AI-enabled unmanned "wingman" project for USAF awards four contracts

EMMA HELFRICH, ASSOCIATE EDITOR

The U.S. Air Force has chosen Boeing, Northrop Grumman, General Atomics and Kratos to move forward in the Air Force program to build an AI-enabled drone wingman known as Skyborg; each company will operate under an indefinite-delivery/indefinite-quantity contract worth as much as \$400 million.

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AI, data-analysis framework from BAE Systems gets contract nod from U.S. Army

LISA DAIGLE, ASSISTANT MANAGING EDITOR

BAE Systems has signed an initial order with the U.S. Army under the service's Distributed Common Ground System (DCGS) Capability Drop 2 Program -- a multiple-award, indefinite delivery/indefinite quantity contract worth up to \$823 million -- under which BAE Systems will provide systems enabling enhanced intelligence to see and better understand threats and other relevant aspects of the operational environment.

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EW, cognitive technologies key to military embedded systems market over next 10 years, study predicts

LISA DAIGLE, ASSISTANT MANAGING EDITOR

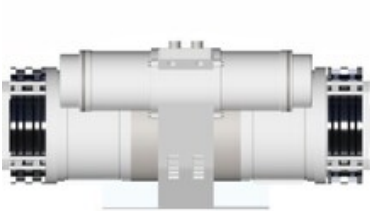
Methods that leverage electronic warfare (EW) techniques -- together with the use of artificial intelligence (AI), machine learning (ML), and deep learning (DL) technologies -- will be key to developing autonomous systems that offload some of the data and operational from the warfighter, according to a new market study from Visiongain, "Military Embedded Systems Market Report 2020-2030."

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EUROTECH



Hybrid Electric Drive to be integrated onto Bradley combat vehicle

EMMA HELFRICH, ASSOCIATE EDITOR

BAE Systems has been awarded a \$32 million prototype agreement by the U.S. Army's Rapid Capabilities and Critical Technologies Office (RCCTO) to integrate a Hybrid Electric Drive (HED) system onto a Bradley Fighting Vehicle.

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Machine learning, infrared-powered missile warning system delivered to Army

EMMA HELFRICH, ASSOCIATE EDITOR



BAE Systems received \$179 million in total awards from the U.S. Army as part of the Limited Interim Missile Warning System (LIMWS) Quick Reaction Capability (QRC) program. This award includes orders for the first two production lots and funding to enable fielding of the next-generation Missile Warning System (MWS).

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AI-driven cloud platform to bolster Air Force threat intelligence

EMMA HELFRICH, ASSOCIATE EDITOR

Geospark Analytics, company specializing in developing applied artificial intelligence (AI) solutions for risk and threat intelligence, won a Special Phase II Small Business Innovation Research (SBIR) contract from the U.S. Air Force (USAF) AFWERX — a community of Air Force innovators who strive to connect Airmen to solutions across the force.

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AI and machine learning platform contracted by U.S. Air Force

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Geospatial analytics company Descartes Labs has won a U.S. Air Force Small Business Innovation Research (SBIR) Direct to Phase II contract through AFWERX and the Air Force Research Lab (AFRL) Space Vehicles Directorate and Information Directorate that will provide the Descartes Labs Platform to enable the Air Force to conduct optimized data discovery of collected sensor data and the automation of multimodal analytical processes through machine learning and artificial intelligence (AI).

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AI algorithms to improve Air Force navigation capabilities

EMMA HELFRICH, ASSOCIATE EDITOR

AI.Reverie, company specializing in synthetic data for improved artificial intelligence (AI), announced that it has won a \$1.5 million Phase 2 Small Business Innovation Research (SBIR) contract by AFWERX to build AI algorithms and improve navigation capabilities for the U.S. Air Force.

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