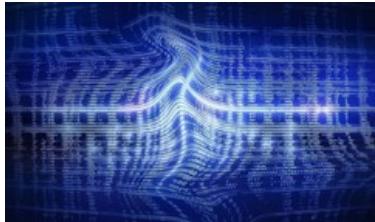




NOVEMBER 2021

The Avionics Design monthly E-newsletter from the editorial staff of militaryembedded.com covers hardware and software avionics designs and certification issues in the commercial and military avionics markets in the U.S. and Europe via the Military Embedded Systems partnership with Aviation Maintenance magazine and the Aerospace Tech Week show.



CTI to provide software and multi-domain analysis for manned and unmanned vehicles

EMMA HELFRICH, TECHNOLOGY EDITOR

CTI announces it has won a \$188 million General Services Administration (GSA) FEDSIM Small Business Innovation Research (SBIR) Phase III contract designated as Multi-Domain Analysis, Evaluation, and Software for Tactical and Remote Operations (MAESTRO).

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AMETEK MRO North America Announces Enhanced Focus on Military and Defense Capabilities

AVIATION MAINTENANCE MAGAZINE

AMETEK MRO has been supporting military programs for decades. AMETEK MRO has just announced its enhanced focus to expand into more capabilities and platforms throughout the military market.

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Invictus 360 DCUs to undergo multicore verification with Rapita Systems

EMMA HELFRICH, TECHNOLOGY EDITOR

Rapita Systems has been selected to perform multicore verification for the Invictus 360's Data Concentrator Unit

(DCU). The Invictus 360, part of the U.S. Army's Future Attack Reconnaissance Aircraft (FARA) Competitive Prototype program, is an aircraft that utilizes technologies including multicore processors that require specialist verification and validation to certify.

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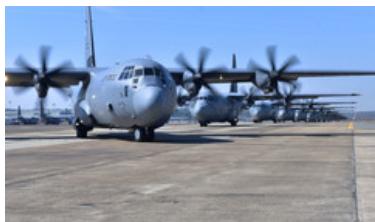


Mercury Systems agrees to acquire Avalex Technologies

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Mercury Systems reports that it has signed a definitive agreement to acquire mission-critical avionics provider Avalex Technologies, which is based in Gulf Breeze, Florida.

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MOSA- and COTS-based processing and networking modules to equip C-130J fleet

EMMA HELFRICH, TECHNOLOGY EDITOR

Curtiss-Wright Corporation announced that it won a contract by Raytheon Technologies to provide its rugged Modular Open Systems Approach (MOSA)-based processor and networking modules for use in the Next Generation Special Mission Processor (NextGen SMP). According to the company, the NextGen SMP is intended to serve as the central processing component of the AC/MC-130J aircraft.

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Field Aerospace Upgrades more than 50 USAF T-1A Flight Decks

AVIATION MAINTENANCE MAGAZINE

Field has completed over 50 CSO and Special Undergraduate Pilot Training (SUPT) aircraft and 14 simulators on time and on budget for the USAF as part of the Air Force Avionics Modernization Program (AMP) contract to upgrade the fleet of 178 T-1As over a period of 7 years.

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Military-aircraft segment of airborne countermeasures market to drive growth to 2026, study says

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The market for airborne countermeasures is forecast to grow from an estimated \$11.6 billion in 2021 to \$14.9 billion by 2026, at a combined annual growth rate (CAGR) of 5.2%, according to a new study from MarketsandMarkets, "Airborne Countermeasure System Market -- Global Forecast to 2026." in terms of value during the forecasted period.

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COTS-based RF assemblies to equip F-16 Viper Shield digital EW suite

EMMA HELFRICH, TECHNOLOGY EDITOR

CAES, provider of mission-critical electronic solutions, has been selected by L3Harris Technologies to develop radio frequency (RF) assemblies for its new Viper Shield all-digital electronic warfare (EW) suite.

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Enhanced Vision System test for C-130J moves system closer to military applications

EMMA HELFRICH, TECHNOLOGY EDITOR

Collins Aerospace announced that the company has completed a test flight intended to prove the effectiveness of its Enhanced Vision System (EVS) on a C130J aircraft. EVS is designed to increase situational

awareness on commercial and business aircraft, and this test brings the system closer to military use.

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Helmet displays for AH-64 Apaches to be delivered to Army

EMMA HELFRICH, TECHNOLOGY EDITOR

Elbit Systems of America has received a firm-fixed-price, Indefinite-Delivery/Indefinite-Quantity contract from the U.S. Army to provide Integrated Helmet And Display Sight System (IHADSS) equipment needed to support the AH-64 Apache helicopter fleet.

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MOSA approach to be incorporated into Gray Eagle ER UAS

EMMA HELFRICH, TECHNOLOGY EDITOR

General Atomics Aeronautical Systems, Inc. is working with the U.S. Army to develop a Modular Open Systems Approach (MOSA) for the multi-domain operations (MDO)-capable Gray Eagle Extended Range (GE-ER) unmanned aircraft system (UAS).

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Abaco Systems launches new compact LRUs at AUSA

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Abaco Systems announced the DAGRX and SAYBRX small form factor (SFF) line replaceable unit (LRU) computers -- featuring Intel processors and flexible I/O in a small package -- at the AUSA show.

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Kontron announces availability of COBALT S1901 integrated mission computer

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Kontron has announced that its newest integrated mission computing platform, the COBALT S1901, is now available for customer shipments and will be showcased at the AUSA show this week.

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Supersonic UAV concept to aid in USAF pilot training

EMMA HELFRICH, TECHNOLOGY EDITOR

Low boom supersonic transport company Exosonic, Inc. has announced a Direct to Phase II Small Business Innovation Research (SBIR) contract award from the U.S. Air Force (USAF). The contract will fund the development of a low boom supersonic uncrewed aerial vehicle (UAV) demonstrator.

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ABACO SYSTEMS

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Considering the Make vs. Buy Decision for Flight-Certifiable Embedded Electronics

ABACO SYSTEMS

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