

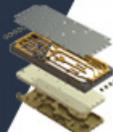


NOVEMBER 2022

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.



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Newly ordered Artemis II spacecraft will reuse avionics from Artemis I crew module

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Lockheed Martin is under contract with NASA to deliver three Orion spacecraft for the NASA Artemis VI-VIII missions; the new contracts continue the delivery of exploration vehicles to the space agency to carry astronauts around the moon and further into deep space supporting the Artemis program.

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Avionics upgrades for U.S. Army Black Hawk helicopters to be implemented by KBR

DAN TAYLOR, TECHNOLOGY EDITOR

KBR has received a \$156.7 million task order to make enhancements to the U.S. Army's fleet of UH-60 Black Hawk helicopters, including a digital glass cockpit and improvements to the avionics architecture, the company announced in a statement.

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Eurofighter Typhoon avionics contract won by BAE Systems



DAN TAYLOR, TECHNOLOGY EDITOR

BAE Systems has won another contract allowing the company to continue providing avionics support for Eurofighter Typhoon aircraft for the air forces of Germany, Spain, the United Kingdom, and Italy, the company announced in a statement.

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Uncrewed Black Hawk helicopter flies in U.S. Army test

DAN TAYLOR, TECHNOLOGY EDITOR

Lockheed Martin subsidiary Sikorsky and the Defense Advanced Research Projects Agency (DARPA) have demonstrated an uncrewed UH-60 Black Hawk helicopter flying autonomously for the U.S. Army, the company announced in a statement.

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Military embedded systems market to grow 56% in next 5 years: report

DAN TAYLOR, TECHNOLOGY EDITOR

The military embedded systems market will grow from \$1.6 billion in 2022 to \$2.5 billion by 2027 for a compound annual growth rate (CAGR) of 9.6%, a new report predicts.

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Digital cockpit to be installed on Indonesia's C-130H fleet by Collins Aerospace

DAN TAYLOR, TECHNOLOGY EDITOR

Collins Aerospace and PT Dirgantara Indonesia (PDTI) will modernize 11 Indonesian Air Force C-130 military transport aircraft with digital cockpits, Collins Aerospace announced in a statement.

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1st multi-role electronically scanned array installed on E-7 for UK air force

DAN TAYLOR, TECHNOLOGY EDITOR

Northrop Grumman has installed the first multi-role electronically scanned array (MESA) sensor on an E-7 Wedgetail Mk1 Airborne Early Warning & Control (AEW&C) aircraft for the UK's Royal Air Force, the company announced in a statement.

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Helicopter EW/laser tech to be supplied to Asia-Pacific country by Elbit Systems

DAN TAYLOR, TECHNOLOGY EDITOR

Elbit Systems has won a \$200 million contract to provide electronic warfare (EW) and airborne laser technologies to protect military helicopters for an unidentified country in the Asia-Pacific region, the company announced in a statement.

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Image processing and advanced optics contract for U.S. Army won by QinetiQ

DAN TAYLOR, TECHNOLOGY EDITOR

QinetiQ has won a contract for research, development, and engineering support for image processing and advanced optics technologies supporting the U.S. Army C5ISR Center, the company announced in a statement.

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Uncrewed systems, digital engineering support for UK's future fighter aircraft to be provided by QinetiQ

DAN TAYLOR, TECHNOLOGY EDITOR

QinetiQ will provide support for uncrewed systems and digital engineering for the United Kingdom's Future Combat Air System (FCAS) program that will replace Typhoon fighter aircraft starting in the mid-2030s, the company announced in a statement.

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Trelleborg Acquires Manufacturer of Aerospace Components

AVIATION MAINTENANCE

Trelleborg Group has, through its business area Trelleborg Sealing Solutions, completed the acquisition of German-based aerospace interiors company MG Silikon GmbH, an entity formerly within Saint-Gobain Group.

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The Demise of Aircraft Parts Inspection

AVIATION MAINTENANCE

We often joke about the paperwork being more important



than the parts. I've seen washers where the paperwork package really was thicker than the part. But this summer the FAA took steps to cement its reliance on documentation over analysis.

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