



MARCH 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.



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Ultra-rugged airborne router by OnTime Networks selected for A330 aircraft

EMMA HELFRICH, TECHNOLOGY EDITOR

OnTime Networks, company specializing in rugged, Ethernet solutions for the aerospace and defense industry, announced the selection of its Ultra-Rugged Airborne CR-6228 28-Port GbE/10GbE Switch and Router by Airbus for the A330 Multi Role Tanker Transport (MRTT) aircraft.

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Aerospace Tech Week (ATW) rescheduled to 3-4 November '21

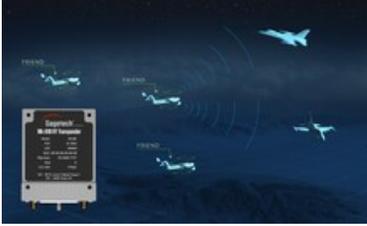
AVIATION MAINTENANCE MAGAZINE

It's very encouraging that the end of the pandemic is hopefully in sight and once these wonderful vaccines are successfully rolled out then life can start to return to some normality. At which point travel and events such as ATW can safely recommence.

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Micro IFF transponder for drones receives DoD AIMS certification

EMMA HELFRICH, TECHNOLOGY EDITOR



Sagetech Avionics, an aerospace technology company specializing in situational awareness solutions for Unmanned Aerial Systems (UAS), announced that the Department of Defense (DoD) AIMS Program Office issued the world's first 17-1000 Mark XIIB certification to Sagetech for its MX12B micro Mode 5 Identify Friend or Foe (IFF) transponder.

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Agile drone software solutions in development for Air Force

EMMA HELFRICH, TECHNOLOGY EDITOR

MEASURE, an aerial intelligence company, announced that the Air Force Research Laboratory (AFRL) has awarded the company a contract to develop and deliver software solutions to support drone operations within Air Force Civil Engineering and Rapid Engineer Deployable Heavy Operational Repair Squadron Engineer (RED HORSE) squadrons. Jesse Stepler, Co-Founder, Chief Strategy Officer, and Head of Product at MEASURE, will serve as Principal Investigator.

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Data transfer capabilities by Honeywell to equip Embraer E2 jets

EMMA HELFRICH, TECHNOLOGY EDITOR

Honeywell and Embraer have worked jointly to install Honeywell's Aircraft Data Gateway 400 (ADG-400) on all of Embraer's new E2 commercial jets, with an option to retrofit first-generation E1 models. The solution is intended to allow operators to wirelessly transfer critical flight and maintenance data to and from their aircraft more quickly and efficiently than before.

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TECTONIC SHIFT IN FLEET PLANNING & MAINTENANCE

AVIATION MAINTENANCE MAGAZINE

As airlines shrink, there is a silver lining – a vast disposal of older-generation jets, a fleet planning shift and the acceleration of the digital transformation.

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Avionics and comms from L3Harris play role in NASA's imminent Perseverance Rover mission

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Avionics and communications technologies from L3Harris Technologies are poised to enable critical links that will connect NASA's Perseverance Rover -- scheduled to land on Mars tomorrow, February 18, 2021 -- when it lands on the Red Planet and throughout its 10-year life expectancy.

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Virtual FACE/SOSA TIM event March 23

JOHN MCHALE, EDITORIAL DIRECTOR

Officials from the Future Airborne Capability Environment (FACE) and the Sensor Open Systems Architecture (SOSA) Consortia will be leading the Open Group FACE and SOSA Consortia Expo & Technical Interchange Meeting (TIM) virtual event next month on March 23, 2021 from 11 am to 4 pm Est.

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Adacore acquires Componolit in move to broaden cybersecurity range

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Software development and verification-tool maker AdaCore announced that it acquired Componolit (Dresden, Germany), effective February 1, 2021.

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EW contract for Defense Logistics Agency will contain RTOS from Green Hills Software

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Green Hills Software announced that its INTEGRITY-178 tuMP real-time operating system (RTOS) will be used in Terma North America's (Arlington, Virginia) next-generation family of electronic warfare (EW) controllers [the AN/ALQ-213(v5)] as part of Terma's recent \$306 million indefinite-delivery/indefinite-quantity (ID/IQ) contract from the Defense Logistics Agency (DLA)--Aviation (Warner Robins, Georgia).

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AEROSPACE TechWeek .com
NEW DATES ANNOUNCED
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T-7A Red Hawk boasts digital design and begins production with Boeing

EMMA HELFRICH, TECHNOLOGY EDITOR

Boeing has announced that the first U.S. portion of the T-7A Red Hawk advanced trainer has entered the Boeing jet's state-of-the-art production line.

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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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Webinar: Securing Missions by Scaling to the Edge.

Mercury Systems and HPE experts are teaming up as they share the need for edge processing built-in security features that protect data integrity and more.



Analog Devices Aerospace & Defense: The Innovation Behind the Mission

ANALOG DEVICES

To aid in this transformation, ADI developed a video shoot onsite at the military hardware extravaganza that is the American Heritage Museum, in Hudson, Massachusetts. The new video -- featuring Sean D'Arcy, Director, Aerospace and Defense, showcases our commitment to supporting our customers in both design and longevity.

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Federal Aviation
Administration

Boeing to Pay \$6.6 Million in Penalties to FAA

AVIATION MAINTENANCE MAGAZINE

The Federal Aviation Administration (FAA) has assessed \$5.4 million in deferred civil penalties against The Boeing Company for failing to meet its performance obligations under a 2015 settlement agreement (PDF). The Chicago-based aircraft manufacturer also agreed to pay \$1.21 million to settle two pending FAA enforcement cases.

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A Bottom-Up Approach to 5G Network Slicing Security in User Equipment

ANRITSU

Anritsu's white paper provides an overview of Network Slicing, as well as how to use testing and verification of network slicing functionality as part of a bottom-up strategy for designing secure and reliable products.

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