



SEPTEMBER 2020

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U.S. Navy taps advanced radar and laser tech for missile and drone threats

SALLY COLE, SENIOR EDITOR

As hypersonic missiles, stealthy drones, and myriad other threats continue to emerge, ships are adapting by bringing more sophisticated laser and radar technologies aboard.

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Air-breathing hypersonic missiles deemed ready for free-flight tests

EMMA HELFRICH, ASSOCIATE EDITOR

Captive carry tests of two hypersonic weapons have been completed, with their first free flights scheduled for later this year, according to the Defense Advanced Research Projects Agency (DARPA) and the U.S. Air Force. Lockheed Martin and Raytheon have each designed hypersonic missiles for the combined program.

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Ground station prototypes for TITAN Program in development for Army

EMMA HELFRICH, ASSOCIATE EDITOR

Northrop Grumman Corporation has been selected by the Defense Innovation Unit and the U.S. Army Tactical Exploitation of National Capabilities (TENCAP) office to develop two prototype ground stations for the Tactical Intelligence Targeting Access Node (TITAN) system. The

TITAN system will be a scalable and expeditionary intelligence ground station that will leverage space, high altitude, aerial, and terrestrial layer sensors to provide targetable data that allows commanders at all echelons to quickly assess threats to their forces.

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TT Electronics will design and develop power converter for Tempest fighter aircraft

LISA DAIGLE, ASSISTANT MANAGING EDITOR

TT Electronics has won a contract from BAE Systems for the design, development, and qualification of a DC/DC Converter to support Project Tempest, the fighter-aircraft concept under development in the United Kingdom for the British Royal Air Force (RAF) and the Italian Air Force.

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NVIDIA-hardware partner and embedded computing supplier Connect Tech acquired by HEICO

JOHN MCHALE, EDITORIAL DIRECTOR

HEICO Corp. acquired Connect Tech, a producer of embedded computing and NVIDIA GPU solutions for military applications such as unmanned systems, communications, ISR (intelligence, surveillance, and reconnaissance), and more various form factors such as COM Express and PC104. As a subsidiary of HEICO Corporation, Connect Tech will continue to serve its global customer base.

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Intelligent mobile surveillance towers use AI, sensors to reduce workload for border and antiterrorism agents

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Elbit Systems of America is supplying two variants of its intelligent and autonomous trailer-mounted surveillance tower systems -- aimed at reducing operator workload and increasing situational awareness and safety -- to the U.S. Customs and Border Protection Agency (CBP) and the U.S. Combating Terrorism Technical Support Office (CTTSO).

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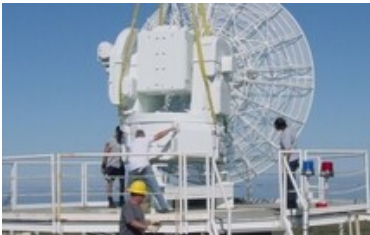


Naval propulsor hardware to be developed by GA-EMS

EMMA HELFRICH, ASSOCIATE EDITOR

General Atomics Electromagnetic Systems (GA-EMS) announced that it has won a developmental contract by Naval Surface Warfare Center Carderock Division (NSWCCD) to provide manufacturing design drawings, engineering, fabrication, inspection, and assembly of prototype propulsor, shafting, and bearing components as well as the equipment needed to support propulsor research & development, testing, and evaluation.

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Range instrumentation support contract won by BAE Systems

EMMA HELFRICH, ASSOCIATE EDITOR

The U.S. Air Force has awarded BAE Systems a \$495 million contract to continue to provide a wide range of instrumentation support and sustainment services to military and government agencies for the U.S. and its allies.

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Ground mobile radar system engineering contract won by Teledyne Brown

EMMA HELFRICH, ASSOCIATE EDITOR

Teledyne Brown Engineering, Inc., a division of Teledyne Technologies Incorporated, announced it has been awarded a \$29 million contract from Raytheon to produce and sustain the Army Navy/Transportable Radar Surveillance (AN/TPY-2) Cooling Equipment Units (CEU).

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Electronic attack system completes testing on EA-18G Growler

EMMA HELFRICH, ASSOCIATE EDITOR

Built by Raytheon Intelligence & Space, a Raytheon Technologies business, the Next Generation Jammer Mid-Band flew on an EA-18G Growler – its first flight test on the aircraft. The U.S. Navy's NGJ-MB is an advanced electronic attack system that is designed to deny, disrupt, and degrade enemy technology, including communication tools and air-defense systems.

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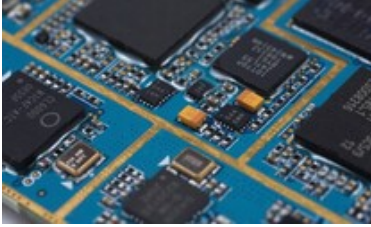
Mission readiness contract awarded to SAIC by U.S. Navy

EMMA HELFRICH, ASSOCIATE EDITOR

U.S. Navy awarded a \$133 million contract to Science Applications International Corp. (SAIC) to continue providing mission engineering and integration services to the Maneuver, Engagement, and Surveillance Systems

Division at Naval Surface Warfare Center (NSWC) in Crane, Indiana.

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Bringing microelectronics manufacturing to U.S. goal of Pentagon

EMMA HELFRICH, ASSOCIATE EDITOR

The U.S. government aims to entice companies to do more microelectronics manufacturing in the United States, the Pentagon's undersecretary for acquisition and sustainment said Thursday.

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Driving the heat out of embedded military systems: Reducing thermals

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