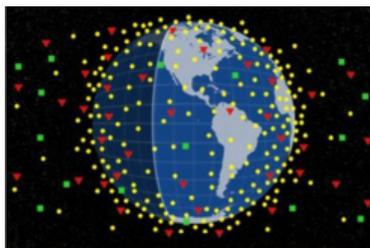




APRIL 2020



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S-band radar deemed 'Space Fence' now operational

EMMA HELFRICH, ASSOCIATE EDITOR

A radar system known as Space Fence, which can track material in space as small as 10 centimeters, is fully operational, the U.S. Space Force announced. Using enhanced S-band radar, the Space Fence improves on previous capabilities of the Space Surveillance Network in tracking objects such as commercial and military satellites, depleted rocket boosters, and space debris in low, medium, and geosynchronous Earth orbit regimes.

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AI-enabled, radar-based interceptor UAV shipped

EMMA HELFRICH, ASSOCIATE EDITOR

Fortem Technologies, Inc., counter-drone security and defense solutions company, announced the shipment of the new AI-enabled F700 DroneHunter. Designed to combat ineffective ground station jamming, the F700 is intended to be a deterrent against the rising number of adversarial unmanned aerial vehicles (UAV).

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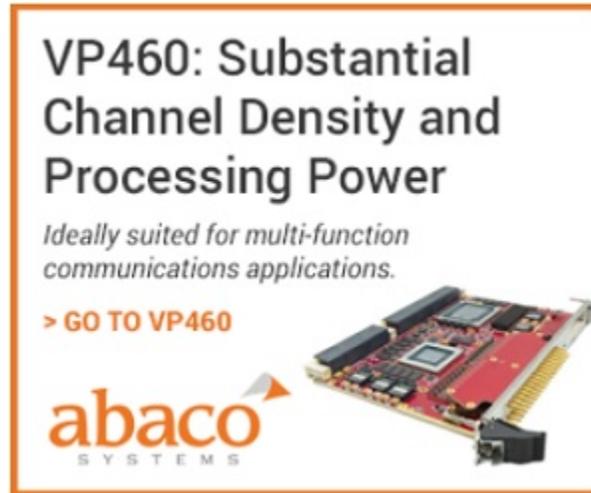
Condor MK3 radars to be upgraded for Brazilian AF

EMMA HELFRICH, ASSOCIATE EDITOR

Raytheon Company is modernizing the Brazilian Air Force's surveillance radars across the Amazon.

Raytheon will upgrade seven legacy radars to the next-generation Monopulse Secondary Surveillance Radar system, Condor Mk3, increasing efficiency and reducing electric energy consumption.

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VP460: Substantial Channel Density and Processing Power

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The advertisement features a photograph of the VP460 circuit board, which is a red printed circuit board populated with various electronic components, including integrated circuits and connectors. The text is presented in a clean, sans-serif font, with the headline in bold and the sub-headline in italics. A call-to-action button is highlighted in orange.



Missile-targeting sensor contract for THAAD system awarded to BAE Systems by Lockheed Martin

LISA DAIGLE, ASSISTANT MANAGING EDITOR

BAE Systems has won a contract from Lockheed Martin to design and manufacture next-generation infrared seekers for the Terminal High Altitude Area Defense (THAAD) weapon system, a major portion of the targeting technology that helps protect the U.S. and its allies from ballistic missiles.

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Coyote Block 2 C-UAS systems cleared for sale

EMMA HELFRICH, ASSOCIATE EDITOR

The U.S. government has cleared Raytheon Company to sell the Coyote Block 2 counter-unmanned aerial systems (C-UAS) weapon to approved allied nations as part of the Howler counter-drone system.

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FLIR sensors to equip U.S. Army



vehicles

EMMA HELFRICH, ASSOCIATE EDITOR

Raytheon Company has developed, manufactured, and delivered the 3rd GEN Forward-Looking Infrared (FLIR) sensor system under a U.S. Army contract awarded in 2016. FLIR system is designed to give soldiers four fields of view and the ability to see across long- and mid-wave IR bands simultaneously with a stabilized line of sight.

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Lower Tier Air & Missile Defense radar completes testing

EMMA HELFRICH, ASSOCIATE EDITOR

Raytheon Company completed the first round of testing of the first partially populated radar antenna array for the U.S. Army's Lower Tier Air and Missile Defense Sensor (LTAMDS). The milestone comes less than five months after the U.S. Army selected Raytheon to build LTAMDS, a next-generation radar designed to defeat advanced threats like hypersonic weapons.

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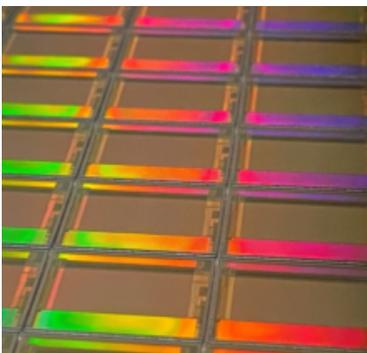


Satellite jammer first offensive weapon provided to Space Force

EMMA HELFRICH, ASSOCIATE EDITOR

The U.S. Space Force announced its first offensive weapon, a ground-based communications jammer to block satellite transmissions. The Space Force announced that Counter Communication System Block 10.2 achieved Initial Operating Capability earlier this month. It was transferred from the Los Angeles AFB to Peterson AFB, Colo., after being declared operational by the Air Force Space and Missile Center's special programs directorate.

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ISR, target-acquisition IC for government use comes online

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Image-sensing technology provider Senseker Engineering has announced the availability of the Magnesium MIL RP0092, an advanced 12 μm pitch high dynamic range dual-band digital pixel readout IC

(DPROIC), offered to users who have approval from the U.S. government.

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HELIOS laser weapon system nears ship integration

EMMA HELFRICH, ASSOCIATE EDITOR

Lockheed Martin and the U.S. Navy moved one step closer to integrating a laser weapon system onto an Arleigh Burke destroyer after conducting a Critical Design Review (CDR) for the High-Energy Laser with Integrated Optical-dazzler and Surveillance (HELIOS) system.

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UAS versus AESA radar test performed using on-the-move military system

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Northrop Grumman recently completed a successful government customer demonstration of its Highly Adaptable Multi-Mission Radar (HAMMR) system, a short- to medium-range X-Band 3D AESA radar intended to be used as AN/APG-83 F-16 fighter radar in a ground-based, sense on-the-move role.

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High frequency communications contract won by Babcock

EMMA HELFRICH, ASSOCIATE EDITOR

Babcock International, aerospace and defense company, is set to become a leading provider of high frequency (HF) radio communications services to New Zealand and its international ?Five Eyes? allies following the awarding of a key contract.

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