Modernized E-99 jet delivered to Brazilian Air Force under Embraer contract

EMMA HELFRICH, ASSOCIATE EDITOR

Embraer delivered the first modernized EMB 145 Airborne Early Warning and Control (AEW&C), designated E-99, to the Brazilian Air Force (FAB). According to the company, four additional E-99 aircraft will be modernized as part of the contract.

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U.S. DoD partners with Australia to advance hypersonic technologies

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The U.S. Department of Defense (DoD) and the Australian defense department have announced a bilateral effort to advance the development of air-breathing hypersonic technologies.

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Laser weapon system component in development for the Bundeswehr

EMMA HELFRICH, ASSOCIATE EDITOR

Rheinmetall has won a contract to develop a future laser weapon system component. At the end of the second quarter of 2020, the Federal Office for Bundeswehr Equipment, Information Technology, and In-Service Support (BAAINBw) contracted with Rheinmetall Waffe Munition GmbH to fabricate a laser source demonstrator.
Cloud computing, supercomputers, black boxes, and the Kill Web
RAY ALDERMAN, VITA TECHNOLOGIES

Back in 1991, U.S. and coalition forces decimated the Iraqi Army in 42 days during Operation Desert Storm. At the time, Iraq had the world's fifth largest army. Can we do better than 42 days in the future? Yes, with the help of cloud computing and a supercomputer.

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Machine learning approach could improve radar in congested environments
EMMA HELFRICH, ASSOCIATE EDITOR

Research being conducted by the U.S. Army Combat Capabilities Development Command (DEVCOM) is focused on a new machine learning approach that could improve radar performance in congested environments.

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Sensor suite in development for Future European Combat Air System
EMMA HELFRICH, ASSOCIATE EDITOR

Germany, Spain, and France the three driving forces of the NGWS/FCAS program, have entrusted FCMS, Indra, and Thales with the development of a suite of sensors.
Magnetic anomaly sensor system to equip MH-60R helicopters

EMMA HELFRICH, ASSOCIATE EDITOR

CAE announced it has won a subcontract by Lockheed Martin to supply the CAE Magnetic Anomaly Detection-Extended Role (MAD-XR) system for U.S. Navy MH-60R Seahawk helicopters.

EW suite upgrade on F-15E Strike Eagle is put through its paces in major test

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The Eagle Passive/Active Warning Survivability System (EPAWSS), the updated new radar warning and electronic warfare (EW) suite for the U.S. Air Force's F-15E Strike Eagle, is one step closer to becoming operational in the F-15E fleet after a recent large force test event, dubbed the Large Force Test Event (LFTE) 20.03.

Hypersonic technologies for U.S. Navy supported by SPA and SAIC

EMMA HELFRICH, ASSOCIATE EDITOR

Systems Planning and Analysis, Inc. (SPA) received a subcontract from Science Applications International Corporation (SAIC) to support the U.S. Navy’s endeavors with Advanced Hypersonic Technologies through the Global Deterrence and Defense Department (Code GX) at the Naval Surface Warfare Center (NSWC) in Crane, Indiana.

Precision-weapons instrument market to see 7% CAGR by 2028, study says

LISA DAIGLE, ASSISTANT MANAGING EDITOR
The market revenue for global targeting pods -- reported to be $3.54 billion in 2020 -- is predicted to reach a value of approximately $6.22 billion by the year 2028, a combined annual growth rate (CAGR) of around 7.06% during the forecast period, according to a new study from Market Forecast, "Global Targeting Pods -- Market and Technology Forecast to 2028."

Counter-UAS radar system contract won by Black Sage

EMMA HELFRICH, ASSOCIATE EDITOR

The U.S. Air Force purchased a counter-unmanned aerial system (C-UAS) radar system from Black Sage to provide targeting data for the Air Force Research Laboratory's (AFRL) Tactical High Power Microwave Operational Responder (THOR) to defeat drones.

Layered ICBM defense demonstrated by U.S. Navy in Pacific test

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The U.S. Missile Defense Agency (MDA) reported that the U.S. Navy shot down a target meant to mimic an intercontinental ballistic missile (ICBM) over the Pacific Ocean with an SM-3 Block IIA missile, in a demonstration of a possible plan to defend Hawaii.

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