



JULY 2018

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RFSoC enabling radar/electronic warfare systems

JOHN MCHALE, EDITORIAL DIRECTOR

In this podcast, our guest, David Gamba, Aerospace and Defense Core Vertical Markets Senior Director at Xilinx discusses how FPGAs enable this innovation especially from an RF system-on-chip (SoC) perspective. This podcast is sponsored by Pentek, the leader in providing high-performance wideband and narrowband software defined radio board, recorder and system level solutions as a leading innovator RFSoC technologies. For more information about Pentek go to www.pentek.com/go/podcast.

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U.S. Army tanks to get active combat protection systems

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Leonardo DRS has won a contract with the U.S. Army -- worth a reported \$193 million -- to provide the Army with TROPHY active protection systems for its Abrams tanks to support immediate operational requirements.

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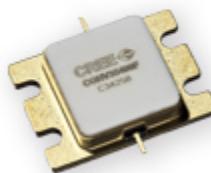
JAGM system achieves milestone C, enters LRIP phase

MARIANA IRIARTE, TECHNOLOGY EDITOR

Lockheed Martin officials announced Joint Air-to-Ground Missile (JAGM) system passed the Defense Acquisition Board review achieving a milestone C decision. This

milestone enables Lockheed Martin to move into low-rate initial production (LRIP).

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Navy completes KC-130J weapon test with newly Harvest Hawk configuration

MARIANA IRIARTE, TECHNOLOGY EDITOR

U.S. Navy officials announced the Tactical Airlift Program Office (PMA-207) Integrated Warfighting Capability (IWC) Weapons team completed a five-week developmental and integrated test (DT/IT) live fire event utilizing a newly configured KC-130J with the Harvest Hercules Airborne Weapons Kit (HAWK) Plus (HH+) installed.

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AFRL taps MacB to conduct & mature research on advanced sensors, EW technologies

MARIANA IRIARTE, TECHNOLOGY EDITOR

Officials at the Air Force Research Laboratory (AFRL) Spectrum Warfare Systems Engineering Branch (RYWD) tapped MacAulay-Brown, Inc. (MacB) for the Effective Sensor Technology Evaluations and Enabling Methodologies (ESTEEM) program task order...

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Telephonics multimode radar selected



for Coast Guard Spartan surveillance platform

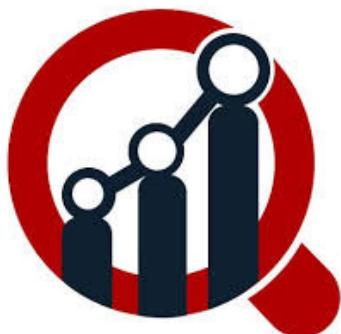
MARIANA IRIARTE, TECHNOLOGY EDITOR

Officials at the Naval Air Warfare Center, Aircraft Division selected Telephonics Corp., a wholly owned subsidiary of Griffon Corp., to deliver its APS-143C(V)3 as the multimode radar system for the U.S. Coast Guard's (USCG) HC-27J Spartan medium-range maritime surveillance platform.

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Electronic warfare market to experience 4.5 percent CAGR through at least 2023, says study

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The electronic warfare (EW) market is expected to grow at approximately 4.5 percent combined annual growth rate (CAGR) during the period 2017 to 2023, according to a new report from Market Research Future...

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Cross deck initiative to transfer Compass Call EW system to modern jet begins

MARIANA IRIARTE, TECHNOLOGY EDITOR

Engineers at BAE Systems began work on the Cross Deck initiative to transition the Compass Call electronic warfare (EW) system from the legacy EC-130H aircraft to the EC-37B aircraft platform, a special-mission Gulfstream G550 that meets Air Force requirements.

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RADA radar included in bid for U.S. Army equipment package for Stryker tank

LISA DAIGLE, ASSISTANT MANAGING EDITOR

RADA Electronic Industries announced that its Multi-Mission Hemispheric Radar (MHR) will be integrated into the Leonardo DRS mission equipment package (MEP) solution for the U.S. Army's Initial Maneuver-Short Range Air Defense (IM-SHORAD) capability.

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AEGIS weapons systems in possible FMS to Spain, says U.S. State Dept.

LISA DAIGLE, ASSISTANT MANAGING EDITOR

The U.S. State Department has announced a possible Foreign Military Sale (FMS) to Spain of five AEGIS Weapons Systems (AWS) for an estimated cost of \$860.4 million.

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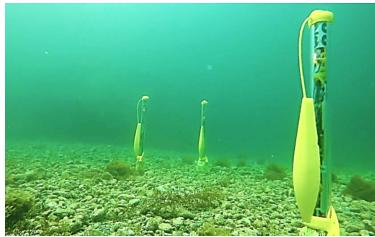
A fully integrated COTS approach for PNT to ground vehicles in GPS-denied environments

DAVID JEDYNAK, CURTISS-WRIGHT DEFENSE SOLUTIONS

Growing awareness of the potential vulnerabilities introduced by the military's dependence on GPS data

has driven demand for new deployed approaches for detecting threats to GPS and providing position, navigation, and timing (PNT) information to the warfighter in GPS-denied environments.

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Navy approves non-dilutive hardware integration funding to Aquabotix for unexploded ordnance solutions

MARIANA IRIARTE, TECHNOLOGY EDITOR

U.S. Naval Undersea Warfare Center (NUWC) officials approved a non-dilutive hardware integration funding to Aquabotix Technology Corp. -- a UUV Aquabotix Ltd wholly-owned subsidiary -- to deliver a solution geared towards unexploded ordnance missions for the Navy.

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Lockheed Martin's Miniature Hit-to-Kill interceptor moves to development phase

MARIANA IRIARTE, TECHNOLOGY EDITOR

Lockheed Martin engineers will mature the Miniature Hit-to-Kill (MHTK) interceptor, evaluate its effectiveness, and demonstrate manufacturing readiness as part of the Extended Mission Area Missile program under a \$2.6 million contract with the U.S. Army Cruise Missile Defense Systems Project Office.

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Australia FMS requests \$185 million in upgrades to AEGIS system

MARIANA IRIARTE, TECHNOLOGY EDITOR

State Department officials approved a possible Foreign Military Sale (FMS) to Australia of equipment associated with the integration of the CEAFAIR 2 Phased Array Radar System with the AEGIS Combat System for an estimated cost of \$185 million.

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Fighter jets and the kill web

RAY ALDERMAN, VITA STANDARDS ORGANIZATION

In the previous article, we explored the transition from the static kill chain to the dynamic kill web in future warfare scenarios. Now, let's look at how fighter jets fit into this new model. That requires a review of the fighters being flown by the U.S. and our allies today.

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