



NEWS RELEASE

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RUGGED COTS-BASED AVIONICS AND SUBSYSTEM SOLUTIONS DISPLAYED AT AVIATION ELECTRONICS EUROPE CONFERENCE BY CURTISS-WRIGHT

AVIATION ELECTRONICS EUROPE, Munich, Germany - March 25-26, 2015 (Booth #28), Curtiss-Wright Corporation (NYSE: CW) today announced that its Defense Solution division will display a wide range of its industry leading COTS-based avionics solutions designed for use on commercial and defense aerospace platforms at **Aviation Electronics Europe 2015 (Booth #28)**. Curtiss-Wright solutions will also be featured in the booths of leading partner companies, including SYSGO and CoreAVI.

The broad range of highly engineered solutions displayed will include:

Air Data and Data Acquisition avionics products:

- **[Air Data Computers \(ADCs\)](#)**: Curtiss-Wright will be showcasing the latest generation of small, lightweight air data computers. These “fit & forget” systems meet the extended accuracy requirements for operation in NextGEN/SESAR airspace. Our ADCs require no routine maintenance or periodic calibration, which reduces downtime and increases operational readiness while lowering overall cost of ownership. Module versions are available that can be integrated with existing host equipment, such as an Attitude Heading Reference System or Inertial Reference System.
- **[Acra KAM-500 Data Acquisition System](#)**: The popular Acra KAM-500 airborne data acquisition unit (DAU) brings the advantages of the COTS design approach to Flight Test, Structural Health and Flight Data Monitoring applications. This rugged DAU is driven by hardwired finite state machines, making it extremely reliable. Thanks to its modular construction, the KAM-500 reduces cost of ownership. Its compact size and network native design, the KAM-500 is ideal for installing in restricted spaces and for reducing weight on rotary wing aircraft.
- **[NET/REC/006 Ethernet Network Recorder](#)**: The NET/REC/006/EH is a stand-alone Ethernet network recorder. Incoming Ethernet frames are written to a SATA cartridge using a FAT32 file system. The NET/REC/006/EH can be configured via

the Ethernet port. The START/STOP switch enables the initiating and terminating of recording, while the EVENT button enables the marking of key events during the recording process. The NET/REC/006/EH detects and records event packets received from the network and displays the short form event text description.

- **[Fortress Ultra-Lightweight Crash Recorders](#)**: Introduced at Heli-Expo 2015, our new family of ultra-lightweight recorders for cockpit image, voice and flight data weigh only 5.7 lbs., ~50% less than early generation solid state recorders. The weight reduction that results from the recorders' integrated data acquisition, delivers significant fuel cost savings. They feature dual-redundant CVR/FDR to mitigate the risk of mandatory grounding in case of recorder failure. In addition they support video recording (from cameras and EFIS displays) and datalink messages, such as pre-flight departure clearances uplinked directly from the control tower to the Flight Management System on the aircraft (currently in wide use on fixed-wing airliners and increasingly used on helicopters).

Rugged LCD Display products:

- **[Rugged LCD Displays](#)**: Our extensive family of rugged LCD mission displays includes units whose sizes range from 7"-21.5". These touchscreen displays support 1080p video input for the best high definition (HD) imagery. At Aviation Electronics Europe we will feature our [AVDU3600 14.1" LCD display](#) that provides 1280x800 resolution and features sophisticated control and video handling capabilities designed specifically for the unique demands of airborne defense and law enforcement applications. The optically bonded display delivers new levels of reliability, flexibility and quality including superior optical performance and enhanced sunlight readability to airborne platforms.

Rugged Single Board Computer products:

- **[VPX3-1701 Single Board Computer](#)**: Curtiss-Wright's cutting-edge ARM®-based COTS VPX3-1701 3U VPX single board computer (SBC) is purpose-built for size, weight, and power (SWaP)-constrained defense and aerospace applications. It is the industry's first VPX COTS processing module to combine the excellent compute performance and low power advantages of the ARM architecture. Featuring Freescale™'s QorIQ™ LayerScape LS1020A processor operating at 1.0 GHz with highly integrated dual ARM Cortex-A7 processors, this cost-effective small form factor SBC is rated at less than 15W maximum power dissipation. The VPX3-1701 leads the way as Curtiss-Wright's most affordable and best performance/watt SBC.

Partner Demonstrations of Joint Platform Avionics Solutions:

SYSGO and CoreAVI, leading integration partners for Curtiss-Wright rugged COTS modules, will feature in-booth demonstrations of integrated avionics applications using Curtiss-Wright open architecture hardware:

- **SYSGO Booth #19:**
 - SYSGO will feature the Curtiss-Wright VPX3-1701 Freescale Layerscape ARM-based SBC and XMC-715 AMD E4690-GPU based graphics display mezzanine module running a **Glass Cockpit demo from Ansys/Esterel**.

- **CoreAVI Booth #35:**
 - **CoreAVI will showcase** the Curtiss-Wright [VPX3-150](#), our DO-254/178-certifiable Freescale P5020-based SBC with the [VPX3-718](#), our DO-254/178-certifiable AMD E4690 GPU based graphics display board running [Airbus' SferiAdvise digital map software](#).

For additional information on Curtiss-Wright products please visit www.curtisswrightds.com.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation (NYSE: CW) is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 9,000 people worldwide. For more information, visit www.curtisswright.com.

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