# NEWS RELEASE

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## Curtiss-Wright Defense Solutions Showcases Latest COTS-based Solutions for Ground Vehicles and Army Aviation at AUSA NOW 2020

**AUSA NOW Virtual Conference – October 13, 2020 –** Curtiss-Wright's Defense Solutions division, long recognized as a world leading supplier of rugged open standards-based system solutions for aerospace and defense applications, today announced that it will feature its latest commercial off-the-shelf (COTS) embedded electronics solutions at the AUSA NOW 2020 Annual Meeting and Exposition (October 13-16, 2020). During the Association of the United States Army's first virtual conference, attendees can interact with exhibitors via online booths and meeting rooms. For information about AUSA NOW and free registration, visit https://meetings.ausa.org/annual. System integrators are encouraged to contact Curtiss-Wright system architects and C5ISR/EW Modular Open Suite of Standards (CMOSS) product managers at ds@curtisswright.com to schedule an online meeting or booth tour.

**Solutions Developed in Alignment with the SOSA™ Technical Standard and CMOSS**

Curtiss-Wright, in support of its commitment to lead the industry in delivering rugged OpenVPX™ modules and system solutions designed in compliance with the U.S. Army CCDC C5ISR Center's CMOSS standard and aligned with standards currently being defined by The Open Group Sensor Open Systems Architecture™ (SOSA) Consortium, will showcase its Modular Open Systems Approach (MOSA)-based solutions at AUSA NOW 2020.

At AUSA NOW 2020, Curtiss-Wright introduced two new variants of its industry-leading VPX3-1260 single board computer (SBC) core design, a rugged 3U OpenVPX SBC featuring the high performance 9th Gen Intel "Coffee Lake Refresh" Xeon E-2276ME processor. The new offerings, an I/O Intensive Profile SBC and a Payload Profile SBC, were developed in alignment with the SOSA

Technical Standard and CMOSS. These fully rugged modules speed and simplify the integration of the Xeon E processor's cutting-edge capabilities into demanding defense and aerospace deployed applications such as mission computing, image and display processing, virtualization and small multi-SBC ISR systems.

Curtiss-Wright CMOSS-compliant variants and products developed in alignment with the SOSA Technical Standard on display during the event include the newly announced VPX3-1260 single board computer (SBC) family, VPX3-1707 SBC, VPX3-673 A-PNT timing card, CHAMP-XD1S DSP module, and VPX3-663 and VPX3-687 network switches.

**The Latest Rugged COTS Technology for Ground Capabilities**

Additionally, Curtiss-Wright is showcasing its latest rugged COTS technology for critical ground capabilities – from in-vehicle networking, mission computing, and fire control processors, to complete turret drive stabilization and ammunition handling systems.

At AUSA NOW 2020, Curtiss-Wright introduced the new Parvus® DuraCOR® AGX-Xavier, a size, weight, power and cost (SWaP-C) optimized rugged small form factor mission computer that delivers supercomputer performance coupled with the artificial intelligence (AI), machine learning (ML), deep learning (DL), and machine vision (MV) capabilities of the NVIDIA Jetson AGX Xavier System on Module (SoM). This high FLOPS per watt mission computer delivers peak performance estimated at 11 TeraFLOPS [FP16] or up to 32 TOPs [int8]). Its ideal for system integrators seeking a high-performance embedded computing (HPEC) solution for deploying new AI, ML, DL and MV-based compute-intensive applications without adding undue SWaP burden to space- and weight-constrained platforms.

Examples of additional open standards-based products showcased by Curtiss-Wright at AUSA NOW 2020 include

- Data storage solutions with support for NSA Type 1 or Common Criteria (CC) certified encryption
- Networking line replaceable small form factor line replaceable units (LRU) and line replaceable modules (LRM) for high-speed communications
- Open standard backplane-based and small form factor computing LRUs and LRMs for high-performance processing

- Intelligent video management systems, including video switches, video recorders, and high-definition touchscreen mission displays
- High-precision motion control systems for aiming, stabilization, and ammunition loading

**The Open Standards Leader**

Curtiss-Wright is an active contributor to the definition and advancement of the open standards included in CMOSS and those being defined by the SOSA Consortium. We have been a leading participant in the development of CMOSS and SOSA since the inception of both initiatives. Curtiss-Wright is a key participant in several SOSA Consortium working groups, including a chair position. And we have been a leading contributor to the VITA Standards Organization that oversees the definition of the OpenVPX, PMC, XMC, and FMC form factor standards that provide the foundation of both CMOSS and SOSA. Curtiss-Wright is ideally positioned to work with customers and help guide the development of their CMOSS and SOSA aligned applications.

Sales inquiries: Please forward all sales and reader service inquiries to ds@curtisswright.com.

For more information about the Curtiss-Wright's Defense Solutions division, please visit www.curtisswrightds.com.

**About Curtiss-Wright Corporation**

Curtiss-Wright Corporation 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 8,900 people worldwide. For more information, visit www.curtisswright.com.

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