



NEWS RELEASE

FOR IMMEDIATE RELEASE

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Curtiss-Wright Showcases its Latest Rugged MOSA-based Solutions with Live System Solution Demonstrations at Army Aviation Mission Solutions Summit

Curtiss-Wright will demonstrate interoperable MOSA solutions that bring advanced capabilities to Army Aviation systems

ARMY AVIATION MISSION SOLUTIONS SUMMIT 2024 (AAAA), DENVER, Colo. (Booth 2023) – April 24, 2024 – Curtiss-Wright's Defense Solutions Division announced that it will present a wide range of high-performance processing, tactical battlefield communications, networking, secure data storage and machine/human-interface technology demonstrations at the **Army Aviation Mission Solutions Summit, April 24-26, 2024, Gaylord Rockies Hotel, Denver, Colo., commonly referred to as "Quad-A"**. Leveraging an unmatched legacy of flight innovation, Curtiss-Wright's MOSA-based solutions drive digital infrastructure to meet the demanding requirements of Army rotorcraft platforms today and the emerging needs of our future forces. The live demonstrations will highlight how MOSA interoperability is driving transformational change across Army Aviation systems.

Curtiss-Wright Army Aviation Mission Solutions Summit Demonstrations

Several of the Curtiss-Wright technology demonstrations at the Army Aviation Mission Solutions Summit will highlight the powerful benefits of deploying applications via virtual machines over the network, with demos able to run on-demand on any of the featured VPX-based systems in Curtiss-Wright's booth. The featured live demos will include:

- **Safety-certifiable COTS hardware demonstration** featuring Curtiss-Wright's V3-152 Power Architecture single board computer (SBC) and V3-717 Graphics GPU module which are supported with available DO-254/DAL-A safety certification data artifacts package.
- Curtiss-Wright's **TCG HUNTR™ Tactical Data Link (TDL) Hub and Network Translator** will be shown supporting TDLs, including Link 16, VMF, CESMO, Cursor-on-Target, and situational awareness. Simulation software will provide visibility into real-world links with air, sea and ground platforms on a local map. TCG HUNTR will be shown interfacing with TCG BOSS® software to present a simulation of a TDL battlefield environment working with the TCG MIDS JTRS Terminal Housing and Control Case. The HUNTR demo will feature Link 16 functionality, the hosting of a Link 16 terminal, and data forwarding via VMF.

The HUNTR application will be shown running on VPX hardware housed in an LCR chassis, including a Curtiss-Wright VPX3-1260 single board computer (SOSA IOI profile 14.2.16) and VPX3-687 Gigabit Ethernet module (SOSA Switch profile 14.4.14). A Parvus® DuraCOR® 311 mission computer will serve as a thin client.

- As an example of the I/O flexibility of Parvus® DuraCOR® mission computers, Curtiss-Wright will show a **sensor suite upgrade solution used by Top Aces**, the leading global provider of advanced adversary air and joint terminal attack controller training. Top Aces' Advanced Aggressor Mission System (AAMS) demonstration highlights the modified commercial-off-the-shelf (MCOTS) flexibility of Parvus DuraCOR mission computers, which can add additional I/O as required with little or no NRE. Paired with Top Aces' F-16s, the only commercial 4th Gen fighter fleet in the world, as well as their advanced A-4 Skyhawks, the DuraCOR mission computer drives radar, Helmet Mounted Display (HMD), and Infrared Search and Track (IRST) data to the Multi-Function Display (MFD), providing unmatched situational awareness for air combat training.

Curtiss-Wright Technology on Display

Also, on display in Curtiss-Wright's booth will be a wide range of MOSA-based solutions including:

Network Attached Storage & Recorders

Curtiss-Wright's **HSR10 10GbE Network Attached Storage (NAS)** device provides up to

32 TB of removable storage capacity with two layers of CSfC-certifiable full disk encryption.

The DTS1+ Rugged Network Attached File Server protects data-at-rest with two layers of NSA Commercial Solutions for Classified (CSfC) certifiable encryption in a ready-to-deploy device. The SWaP-optimized DTS1+ features hardware and software full disk encryption and a removable memory cartridge (RMC) for easy transfer of data.

Next Generation Flight Recorders

Curtiss-Wright, a leading supplier of modern flight recorders, commonly referred to as “black boxes,” will showcase a selection from its family of Fortress™ image, cockpit voice, datalinks, and flight data recorders. These compact and lightweight solutions are fully ED-112A compliant and meet 25-hour CVR storage duration mandates. Fortress’s flexible architecture enables it to expand its capabilities beyond a traditional flight recorder, such as Fortress HUMS which combines the functions of a flight recorder and a usage monitoring system into a single box solution.

Fabric100 Suite of 3U and 6U OpenVPX™ Modules and Systems

Furthering its commitment to being a leading supplier of MOSA system solutions, Curtiss-Wright will present its Fabric100™ family of extremely high-performance SOSA aligned processing engines. The Fabric100 Suite of 3U and 6U OpenVPX™ Modules and Systems provides system designers with a complete end-to-end ecosystem of high-speed 100G rugged OpenVPX modules and system components. At the Army Aviation Mission Solutions Summit, Curtiss-Wright will highlight members of the Fabric100 family, including the 6U CHAMP-XD4 and CHAMP-FX7 processing modules, and the 3U VPX3-1262 14-core Intel® “Raptor Lake” Hybrid Processor SBC and newly introduced VPX3-6816 switch module.

Tactical Communications Solutions

Curtiss-Wright will show its PacStar® family of advanced communications solutions for the DoD, including the 5-Slot **PacStar VPX Smart Chassis**, which provides the highest level of SOSA alignment available today. The chassis is designed to fit into a Standardized A-Kit/Vehicle Envelope (SAVE) enclosure alongside a **PacStar 400-Series 4-Slot Smart Chassis** comms system, facilitating the future transition to a full CMOSS/SOSA aligned

hardware solution. Examples of PacStar 400 Series modules on display will include the PacStar 451 Small Server Module, the PacStar 444 Small GbE Switch, and the PacStar 447 Small Router Module.

A Leader in Open Standards

Curtiss-Wright is an active contributor to the definition and advancement of the open standards included in CMOSS and those being defined in The Open Group Sensor Open Systems Architecture™ (SOSA). Curtiss-Wright has been a leading participant in the development of the CMOSS and SOSA standards since the inception of both initiatives and is a key participant in several SOSA Consortium working groups (including holding a chair position in the SOSA Consortium). In addition, the company has been a leading contributor to the VITA Standards Organization (VSO) that oversees the definition of the OpenVPX, PMC, XMC, and FMC form-factor standards that provide the foundation of both CMOSS and SOSA technical standards. This makes Curtiss-Wright ideally positioned to work with customers to help guide the development and success of their CMOSS and SOSA aligned applications.

For additional information about Curtiss-Wright please visit www.curtisswrightds.com, LinkedIn, and Twitter @CurtissWrightDS.

About Curtiss-Wright Corporation

Curtiss-Wright Corporation (NYSE:CW) is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding Commercial Power, Process and Industrial markets. We leverage a workforce of approximately 8,600 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships. For more information, visit www.curtisswright.com.

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