NEWS RELEASE

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Curtiss-Wright Showcases its Open Systems Architecture Ground Vehicle Solutions at GVSETS 2019

At 11th Annual Ground Vehicle Systems Engineering and Technology Symposium, Curtiss-Wright, in collaboration with PacStar, will present paper on "Managing Next Generation Open Standard Vehicle Electronics Architectures" and demonstrate "Single Pane of Glass" Dashboard Solution for Management of VICTORY Networks

2019 NDIA GROUND VEHICLE SYSTEMS ENGINEERING AND TECHNOLOGY SYMPOSIUM, NOVI, Mich. (Booth 214) – August 13, 2019 – Curtiss-Wright's Defense Solutions division, a trusted leading supplier of rugged deployed vetronics systems, will showcase its industry-leading array of open systems architecture solutions for ground vehicles, in its booth (Booth 214), at the 2019 NDIA Ground Vehicle Systems Engineering and Technology Symposium, August 13-15, 2019, On display will be Curtiss-Wright's DBH-670 Digital Beachhead Gigabit Ethernet (GbE) switch and vehicle management computer and the small form factor Parvus DuraCOR rugged mission computer subsystems. At GVSETS, Curtiss-Wright will be announcing the newest addition to its family of rugged LCD touchscreen displays designed specifically to meet the unique requirements of ground vehicles. The new 7-inch RVDU rugged ground vehicle display is ideal for general purpose video imagery such as situational awareness and rear-view reversing camera video applications.

"We are proud to showcase our industry-leading open systems architecture-based rugged mission computers and ground vehicle displays at GVSETS 2019," said Lynn Bamford, Senior Vice President and General Manager, Defense and Power. "We are committed to supporting our warfighters with the most advanced and reliable solutions, built with today's leading edge COTS technologies. Curtiss-Wright module and system solutions reduce time, complexity, and cost to speed deployment of the capabilities our ground forces need today more effectively conduct NAVWAR,"

Easing and Simplifying the Management of Ground Vehicle VICTORY Networks

At GVSETS 2019, in collaboration with Pacific Star Communications (PacStar), Curtiss-Wright will host the first live demonstration of a “single pane of glass” COTS-based management solution for open standard vehicle electronic components through the VICTORY framework (Booth 214). In a related presentation, David Jedynak, CTO, Curtiss-Wright, serving as co-chair of the Vehicle Electronics & Architecture and Cyber Engineering Technical Session, will present a new paper on “Managing Next Generation Open Standard Vehicle Electronics Architectures,” at 10:30 a.m, Tuesday, August 13, with Charlie Kawasaki, CTO and David Gregory, Director Strategic Initiatives, PacStar.

Embedded Ground Vehicle Technology Expertise

Curtiss-Wright is ideally positioned to support important ground vehicle programs such as the U.S. Army CCDC Ground Vehicle Systems Center’s (GVSC) Mission Enabling Technology-Demonstrator (MET-D) and Extended Range Cannon Artillery (ERCA) prototypes. The MET-D and ERCA platforms both integrate the Curtiss-Wright DBH-670 Digital Beachhead as a power controller and also to provide the VICTORY (Vehicular Integration for C4ISR/EW Interoperability) data bus on the platform.

About the DBH-670 Digital Beachhead

The DBH-670 Digital Beachhead simplifies the network modernization of today’s combat vehicles. It combines an Ethernet switch with a powerful Vehicle Management Computer to provide essential network services to ground vehicles. Housed in a rugged chassis and fully qualified to a range of environmental standards, the DBH-670 provides 16 ports of standards-compliant 1000BASE-T Ethernet with a variety of flexible network switching features such as VLANs, multicast, and Quality of Service. It also features a multi-core Arm-based vetronics computer, with a wide range of analog and digital interfaces to monitor and control essential vehicle systems. Its extensive vetronics interfaces combined with a powerful software framework simplifies integration of the Digital Beachhead into both new and legacy vehicles. When configured with the libVictory software framework, the DBH-670 can be used to provide VICTORY Data Bus and Platform services, including Management, Access Control, Data Protection, and network distribution of GPS/IMU data such as time, position, orientation, heading, speed, etc. An optional internal GPS receiver provides additional SWaP savings.

About Parvus DuraCOR Mission Computers

Curtiss-Wright's rugged small form factor COTS Parvus DuraCOR mission computer subsystems feature modular, expandable designs with powerful graphics and data processing capabilities together with ultra-reliable mechanical robustness. With decades of experience developing smaller, smarter, faster and stronger defense solutions, Curtiss-Wright engineers the DuraCOR product family from the inside out to address size, weight, power and cost (SWaP-C) requirements, enabling our customers to deploy a fully-functional, environmentally-hardened subsystem — tailored to specific needs — in a matter of weeks. These MIL-STD qualified mission processors have been field proven in C4ISR technology refresh and platform upgrade programs under thermal, shock and vibration extremes in unmanned and manned aircraft, ground vehicles, and maritime platforms.

Rugged LCD Touchscreen Displays for Ground Vehicles

Curtiss-Wright is one of the leading producers of Rugged LCD Touchscreen Displays for Ground Vehicles. The new Rugged Video Display Unit (RVDU) is a 7-inch 800 x 480 pixel LCD display ideal for adding situational awareness, equipment monitoring, and additional display functionality to space, weight, power, and cost (SWaP-C) constrained platforms. The compact, widescreen RVDU supports two CVBS (composite video) inputs and two digital inputs. With superior viewing, the display's ambient light sensors automatically change the screen brightness to the optimal setting for visibility in any light conditions, while its LED backlight provides a clear, crisp picture. The GVDU family includes GVA/VICTORY-ready touchscreen displays with support for DEF-STAN 00-250 compliant bezel buttons that deliver optimal tactile response in high vibration environments. The display's bezel buttons are positioned along the sides of the unit and are fully programmable via USB. GVDU displays support DEF-STAN 00-82 Video over Ethernet (VoE), ensuring that the display will work in any GVA/VICTORY compliant Ethernet system architecture. In addition, they support Projected Capacitive (PCAP) multipoint touch screen technology which enables operators to use familiar smartphone interface techniques.

For more information about 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 9,000 people worldwide. For more information, visit www.curtisswright.com.

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