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Curtiss-Wright Wins Best Paper at 13th Annual GVSETS Conference

Paper on applying open standards for ground vehicles highlights benefits of MOSA based rugged electronics systems

ASHBURN, September 7, 2021 – Curtiss-Wright's Defense Solutions division, a trusted leading supplier of rugged modular open system approach (MOSA)-based open architecture solutions, announced that it was awarded Best Paper at GVSETS 2021. The 13th annual GVSETS & APBI (Ground Vehicle Systems Engineering and Technology Symposium and Advanced Planning Briefings for Industry) was hosted by the Michigan chapter of the National Defense Industrial Association Aug. 10–12, 2021 in Novi, Michigan. The paper, entitled "Applying Open Standard Electronic Architectures for Ground Vehicles," provided an in-depth introduction and overview of the advantages of MOSA open architecture solutions and the best practices for bringing new capabilities to ground vehicles. Co-authors include Curtiss-Wright's Jason DeChiaro, David Jedynak, Charlie Kawasaki, Tim McElligott, John Ormsby, and Jacob Sealander.

"We are very proud that our outstanding team of co-authors achieved the high honor of having their technical paper named as Best Paper presented at GVSETS 2021," said Chris Wiltsey, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions. "This accomplishment reflects our commitment to lead the industry in bringing the powerful benefits of open standards, and the DoD's MOSA initiative, to rugged deployed ground vehicle applications. This approach enables system designers to rapidly and cost-effectively deliver advanced capabilities to our warfighters."

Paper Abstract

"Open Standards are useful for designing and instantiating specific electronics architectures on vehicles. Successfully designing them requires understanding all the factors that impact their

usefulness. These factors and associated trade-offs for intended vehicle types include quantitative factors such as operating environments, thermal management techniques, size, weight, and power, and acquisition cost. Additionally, integration challenges, acquisition models, and industrial base collaboration add additional layers of complexity. All of these need to be considered for successful application for ground vehicles."

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 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, please visit www.curtisswrightds.com, LinkedIn, and Twitter @CurtissWrightDS.

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 Aerospace and Defense markets, and to the Commercial markets including Power, Process and General Industrial. 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 8,200 people worldwide. For more information, visit www.curtisswright.com.

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