



## NEWS RELEASE

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### **Curtiss-Wright Safety-Certifiable COTS Modules for Avionics Featured in Demonstration of CoreAVI's Safety Critical Graphics on HENSOLDT's Mission Computer at Embedded World**

***HENSOLDT's new Sferion® Configurable and Safety-Certifiable Mission Computer supports aviation safety standards RTCA DO-254/DO-178C and EUROCAE ED-80/ED-12C with Curtiss-Wright OpenVPX™ Modules and CoreAVI® Graphics Drivers***

**EMBEDDED WORLD 2017, NUREMBERG EXHIBITION CENTRE, GERMANY** (Hall 1 / Booth 1-360) – **March 14, 2017** – Curtiss-Wright's Defense Solutions division today announced that a demonstration of its COTS-based DO-254/ED-80 safety-certifiable single board computer (SBC), graphics and I/O solutions will be featured in AMD's booth (Hall 1 / Booth 1-360) during Embedded World 2017. The demonstration, hosted at the [Core Avionics & Industrial Inc. \("CoreAVI"\)](#) kiosk in AMD's booth, will highlight HENSOLDT's new Sferion Configurable and Safety-Certifiable Mission Computer for avionics applications like digital mapping, tactical information and Synthetic Vision System (SVS). The mission computer provides safety, performance and applications in true synergy on a cyber-attack resilient architecture.

HENSOLDT's rugged mission computer, which can be certified to aviation safety standards DO-254/ED-80 up to DAL B, features Curtiss-Wright open standard COTS [OpenVPX \(VITA 46\)](#) processors, I/O and graphics module building blocks. For avionics applications that require graphics, such as digital moving maps, the Configurable and Safety-Certifiable Mission Computer supports Curtiss-Wright's safety certifiable [VPX3-718](#) and [VPX3-719](#) 3U OpenVPX graphics display cards, based on AMD's Embedded Radeon™ high-performance GPUs. The rugged VPX3-718/VPX3-719 modules are designed for use on deployed airborne and ground vehicle platforms and meets the long lifecycle availability required for military programs through use of CoreAVI's extended temperature range AMD Embedded Radeon GPUs supported with DO-254/ED-80 safety certification data and 20-year component management program.

In addition, the mission computer can be certified to DO-178C/ED-12C up to DAL A with standardized Board Support Packages and drivers. This includes support for ARINC 653 through

Wind River's VxWorks 653 Real Time Operating System and CoreAVI's safety certifiable OpenGL graphics library suite and H.264 video encode and decode drivers.

"We are seeing increased requirements for cost-effective, reliable avionics solutions that support safety-certifiable for DO-254 and DO-178C," said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. "HENSOLDT's Configurable and Safety-Certifiable Mission Computer provides a great example of how COTS building blocks can reduce costs and speed the development of these critical systems."

"AMD is committed to supporting our avionics and other high reliability customers with advanced embedded solutions. HENSOLDT's Sferion Mission System is a prime example of AMD and CoreAVI collaborating with a key customer to deliver technology excellence with long-term product supply and support," said Stephen Turnbull, Director Product Marketing, AMD Enterprise Solutions. "HENSOLDT's Sferion Mission Computer's use of Curtiss-Wright's OpenVPX hardware building blocks demonstrates industry leadership in providing safety, performance and application solutions dedicated to aviation pilot awareness and safety."

Curtiss-Wright's rugged SBCs, I/O and graphics modules are designed for use in size, weight, power and cost (SWaP-C) constrained aerospace and defense systems. As shown in [HENSOLDT's mission computer](#), use of these safety certifiable cards can greatly speed the deployment and certification of critical manned and unmanned airborne Safety-Certifiable systems.

Sales inquiries: Please forward all Sales and reader service inquiries to [ds@curtisswright.com](mailto:ds@curtisswright.com).

For more information about Curtiss-Wright's Defense Solutions division, please visit [www.curtisswrightds.com](http://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 8,400 people worldwide. For more information, visit <http://www.curtisswright.com>.

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