



NEWS RELEASE

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Curtiss-Wright and DDC-I introduce high-performance COTS solution for safety-critical avionics systems

Joint offering pairs Curtiss-Wright's V3-1222 with DDC-I's Deos and will accelerate safety certification and deployment of safety-critical computing applications

ASHBURN, Va. – Feb. 2, 2026 – Curtiss-Wright announced today a collaboration with embedded software solutions developer DDC-I to host the Deos real-time operating system (RTOS) on the Curtiss-Wright V3-1222, a safety-certifiable 3U VPX Intel Core i7 Avionics Processor Card, which will enable integrators to achieve and accelerate system safety certification up to Design Assurance Level (DAL) A for safety-critical airborne processing.

Curtiss-Wright's [V3-1222](#) avionics processor board combines the powerful 13th Gen Intel® Core™ i7 hybrid architecture processor, with integrated Iris® Xe graphics, to excel at demanding compute performance and visual graphics needs of next-generation safety certifiable processing systems. Aligned with the industry-standard SOSA™ specification, this rugged, high-performance processor board is designed for systems targeting the highest levels of DO-254 with AC/AMC 20-152A certification.

The [Deos RTOS](#) is used in mission and safety-critical systems where reliability, timing, and security are paramount. Deos is rooted in more than 10,000 safety- and mission-critical aircraft system deployments and can be operated in single core or multicore configurations. Aligned with FACE, MOSA, PYRAMID and other military initiatives, Deos employs a unique modular architecture that accelerates agile development. This advanced capability enables new functionality or modifications to be made quicker and easier, enabling users to adapt to ever-changing challenges. Deos is verified to DO-178C/ED-12C and addresses the issues of high robustness for avionics and safety critical applications.

“This collaborative solution provides customers with a modular, safety-certifiable computing foundation that reduces integration risk and helps accelerate delivery of safety and mission critical capabilities to market,” said Lee Brown, vice president and general manager of C5ISR, Curtiss-Wright Defense Solutions. “Technology is evolving at unprecedented speeds, and we are committed to providing our customers with the highest performance solutions to meet their mission and safety requirements.”

“DDC-I is excited to offer our off-the-shelf support for the V3-1222 avionics module” said Gary Gilliland, vice president of marketing at DDC-I. “The Deos feature set, such as cache partitioning, allow developers to create real-time systems with unmatched performance. Further, the Deos DAL-A RTOS certification package is off-the-shelf, which enables designers a low risk and cost-effective means to quickly deploy high design assurance systems.”

This solution is engineered to meet the demanding needs of programs requiring certifiable multicore computing, including:

- Defense applications: mission computers, flight control computers, display computers and sensor fusion
- Commercial aviation: digital cockpit systems, primary and multifunction displays, enhanced flight vision systems
- Industrial and air mobility: autonomous flight control, safety-critical robotics, and electric vertical takeoff and landing (eVTOL) platforms

Pairing Curtiss-Wright’s safety certifiable hardware and DDC-I’s certifiable software simplifies the integration of best-of-breed technologies for fast prototyping, certification and deployment in today’s budget-constrained and quick response environment. By pre-integrating these two separate offerings, systems developers can deploy solutions to the field quicker and with significantly reduced development risks.

About Curtiss-Wright

Curtiss-Wright 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 Nuclear Power, Process and Industrial markets. We leverage a workforce of approximately 9,100 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.

About DDC-I

DDC-I, Inc. is a global supplier of real-time operating systems, software development tools, and custom software development services, with a primary focus on mission- and safety-critical applications. DDC-I’s customer base is an impressive “who’s who” in the commercial, military, aerospace, and safety-critical industries. DDC-I’s modular RTOS accelerates agile development of fielded systems with lower cost and shorter schedules, providing faster updates for the warfighter. For more information, visit www.ddci.com.

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