



NEWS RELEASE

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Curtiss-Wright Showcases Latest Avionics, Vetronics, and Naval Solutions for Canadian Defense Programs at CANSEC 2019

CANSEC 2019, OTTAWA, Canada. (Booth #1903) – May 29, 2019 – Curtiss-Wright, a [trusted leading supplier of rugged systems for aerospace and defense applications](#), today announced that it will showcase its latest vetronics, avionics, and naval platform products at the [CANSEC 2019](#) conference at the EY Centre in Ottawa, Ontario, May 29 - 30, 2019 (Booth #1903). Curtiss-Wright, recently named one of Canada's Top 75 Defence Suppliers by Canadian Defence Review magazine, has unmatched capabilities on both sides of the border, including two facilities in Ontario, making it uniquely qualified to support the special defense partnership between the U.S. and Canada and address critical Canadian programs such as the Future Fighter Capability and the Canadian Surface Combatant. At CANSEC 2019, Curtiss-Wright will highlight a wide range of its products designed and manufactured at its Ottawa and Mississauga facilities. These solutions range from industry-leading, rugged, commercial off-the-shelf (COTS) boards and mission computers designed for deployed applications in harsh environments, to seaborne helicopter landing systems and towed sonar winch and handling technology. Also on display will be Curtiss-Wright's open-architecture electronics modules that speed and ease the integration of safety-certifiable avionics solutions for manned and unmanned aircraft.

"Curtiss-Wright is proud to support numerous important Canadian defense programs," said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. "At CANSEC 2019, we will showcase our latest solutions designed to strengthen today's airborne, ground, and naval platforms against the most demanding security and safety challenges. This includes our wide range of technologies and capabilities ideal for supporting critical defense programs such as the Future Fighter Capability and Canadian Surface Combatant."

Uniquely Positioned to Support Critical Canadian Defense Programs

For defense programs with Canadian or non-ITAR content requirements, Curtiss-Wright's [Canadian manufacturing capabilities](#) deliver the powerful, reliable mission-critical technology that drive today's aerospace and defense platforms. These capabilities include the design, development, and manufacturing of hardware that protects against malicious threats with enhanced trusted computing capabilities. What's more, Curtiss-Wright is uniquely positioned to provide industry-leading content to critical Canadian defense programs through its support for the Government of Canada's [Industrial Technological Benefits and Value Proposition \(ITB/VP\) Program](#).

A Leading Provider of Safety-Certifiable Avionics

Additionally, Curtiss-Wright is a leading provider of [safety-certifiable COTS avionics](#), both modules and systems, available with data artifacts to meet DO-254 hardware requirements, as well as DO-178 software requirements through our strategic partnerships. One example is Curtiss-Wright's strategic partnership with [Mannarino Systems & Software](#), headquartered in Saint-Laurent, QC. Mannarino is a Transport Canada approved Design Approval Organization (DAO) for Airborne Software (RTCA/DO-178) & Airborne Electronic Hardware (AEH) (RTCA/DO-254) and provides safety-critical systems, software, and electronic hardware engineering services to the aerospace, defense, space, simulation, and power generation industries. This partnership greatly expands the capabilities and services available to system designers developing COTS-based DO-254 AEH and DO-178B/C software-based safety-certifiable avionics solutions.

Curtiss-Wright Solutions Featured at CANSEC 2019

Live Demo of Leading Edge Single Board Computer

At CANSEC 2019, Curtiss-Wright will present a live demonstration of its [VPX3-1260, a 3U OpenVPX™ single board computer \(SBC\) that features Intel's 6-core 8th Gen "Coffee Lake" Xeon® processor](#). This rugged COTS SBC is designed for space-, weight- and power-constrained platforms, and enables system designers to speed the development and deployment of powerful mission computers for defense applications. With 50% more processing power than previous four-core processor designs, this module delivers unprecedented levels of performance and integrated graphics. To double that performance in a single slot, the SBC can host a Curtiss-Wright [XMC-121 card, the only XMC mezzanine](#)

[processor module](#) to feature the low power 7th Gen “Kaby Lake” Xeon processor with integrated graphics.

Bringing the Power of Machine Learning to the Warfighter

The new frontier in deployed embedded computing is how to leverage the full potential of artificial intelligence (AI). In collaboration with another of Canada’s Top 75 Defence Companies, General Dynamics Mission Systems (Booth #1601), Curtiss-Wright is working to deliver [open-architecture AI solutions for signal intelligence \(SIGINT\) and electronic warfare \(EW\) situational awareness applications](#). At CANSEC 2019, Curtiss-Wright will showcase its [Intel Xeon D processor-based CHAMP-XD1 digital signal processing module](#) that supports [General Dynamics’ SignalEye™ threat detection software](#). This solution provides system designers with a deployable COTS solution for RF spectrum situational awareness that automatically classifies signals through the use of machine learning.

Protecting Critical Data with Advanced Encryption

Curtiss-Wright’s [Data Transport System \(DTS1\) network attached storage \(NAS\) device](#) is the embedded industry’s first COTS data-at-rest (DAR) storage solution designed to support two layers of full disk encryption (FDE) in a single device. The DTS1 has received Common Criteria certification for both its hardware and software disk encryption layers and is now listed on both the U.S. and International Product Compliant Lists, enabling system designers to greatly speed development of their encrypted data recording system requirements. Common Criteria certification is recognized around the world by 17 Certificate Producing countries and by 11 Certificate Consuming countries.

Leading Solutions for Handling Aircraft and Sensors at Sea

The safe handling of helicopters as they land onboard a ship at sea is a complex challenge. Curtiss-Wright’s [INDAL Technologies](#) business unit (Mississauga, Ontario) is one of the world’s leading suppliers of Aircraft Handling Systems (AHS). At CANSEC 2019, INDAL will promote its latest AHS and Undersea Sensor Handling (USH) solutions. INDAL’s proven AHS capabilities are deployed on Canada’s Halifax-class Frigates, and are contracted for the future Protecteur-class Joint Support Ships, and planned for the Harry Dewolf-class Arctic/Offshore Patrol Ships. Their broad range of AHS solutions are in service on many naval platforms around the world. INDAL also produces a unique lightweight winch system for handling GeoSpectrum’s Towed Reelable Active Passive Sonar (TRAPS) System.

TRAPS is ideal for small combatants such as OPVs, corvettes, and USVs, and has been successfully trialed on the Royal Canadian Navy's HMCS Shawinigan. In addition, INDAL produces Handling Systems for submarine and surface towed arrays and torpedo defense systems.

One of the Defense Industry's Most Trusted Suppliers

Curtiss-Wright's Defense Solutions division is one of the industry's most respected and trusted suppliers of rugged COTS-based signal processing modules. On April 2, 2019, the division was [honored by BAE Systems' Electronic Systems sector with a Supplier of the Year Award for Subcontractor of the Year](#), based on exceptional performance and contributions to supply chain success in 2018.

On May 23, 2019, Curtiss-Wright Defense Solutions was also presented with a [Supplier of the Year Award from General Atomics Aeronautical Systems, Inc. \(GA-ASI\)](#), a leading manufacturer of Remotely Piloted Aircraft (RPA) systems, tactical reconnaissance radars, and electro-optic and related mission systems solutions. The award, which recognizes outstanding quality and delivery performance, recognizes companies achieving 100% quality and on-time delivery performance for calendar year 2018.

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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