



## NEWS RELEASE

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FOR IMMEDIATE RELEASE

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### **Curtiss-Wright Showcases Industry-Leading Flight Test Instrumentation Hardware and Software Solutions at International Telemetry Conference (ITC) 2024**

*FTI solutions displayed will highlight the new MDAU-1394 high data rate module, a TmNS air-to-ground system, a miniature airborne telemetry system, high-speed & high-definition cameras, an airborne data analysis, visualization, and post-test reporting software system, and the latest Axon/ADAU data acquisition system modules and features*

**International Telemetry Conference (ITC), Glendale, Arizona (Booth #317) – October 21, 2024** – Curtiss-Wright’s Defense Solutions Division, a leading supplier of flight test instrumentation (FTI) solutions engineered for success, will demonstrate its latest fully integrated FTI system solutions at the International Telemetry Conference (ITC), October 21-24, 2024. During the technical sessions of the conference, Curtiss-Wright subject matter experts will present several technical papers that cover a broad range of FTI topics.

“We are proud to lead the flight test instrumentation industry with the most comprehensive, reliable, and flexible solutions available, which provide our customers with a complete, proven, and future-proof system solution from a single trusted supplier,” said Brian Perry, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions Division. “We know that flight test programs are complex, with ever-increasing demands for more data. Our extensive range of highly capable hardware, combined with a fully integrated system approach and leading software solutions ensures

that the entire FTI technology chain works together and mitigates the risk of costly delays and unplanned extra flights.”

### **Live In-Booth FTI Solution Demonstrations**

At ITC, Curtiss-Wright’s booth will feature several live demonstrations of advanced FTI technologies, including:

- **TmNS Air to Ground System:** This demo shows how TmNS transceivers work, focusing on message building, data-on-demand functions, and transceiver handoff.
- **MDAU-1394:** A high data rate (HDR) module is used to demonstrate how to significantly reduce the complexity, module count, and cost for simultaneously capturing bulk digital avionics bus data and telemetering selected data during flight tests.
- **Re-packaged Miniature Airborne Telemeter System:** This demo displays the capability of the miniature airborne telemetry system (MATS) that provides many functions, including PCM encoding, AES-256 encryption, and transmission, in a compact module stack.
- **NXDP-4000-1:** This demo showcases the IADS® NXDP-4000, a SWaP-optimized solution for airborne data analysis and visualization.
- **High-Definition Video Camera:** This camera setup features a high-quality video product capable of encoding at 1080p and 60 fps.
- **High-Speed Camera:** A high-speed camera system, containing a camera manager, switch and a recorder, is used to demonstrate modern high-speed video capture.
- **Axon/ADAU Data Acquisition System:** The latest modules and features of the Axon/ADAU data acquisition system are showcased, including the new miniature Axon Pico power over Ethernet (PoE) data acquisition unit (DAU).
- **IADS RT Station & Post-Test Explorer:** This demo highlights IADS display, analysis, and post-test software suite capabilities, along with recently added new features.

## **FTI Technical Papers**

Curtiss-Wright will also present the following four technical papers at the conference's technical program:

### **Tuesday, October 22**

- *Power Over Ethernet in FTI, Suitability and Challenges*, Pat Quinn, 3:45 PM
- *Quantitative Video Scoring in Flight Test*, Daniel Crump, Rocco Docimo, and Brandon Rosso, 3:45 PM
- *Upgrading Flight Test Data Acquisition Systems with New Capabilities While Maintaining Backwards Compatibility*, Ben Kupferschmidt, 4:05 PM

### **Wednesday, October 23**

- *Chapter 7 Packet Telemetry: A Retrospective*, Kathy Rodittis and Ben Kupferschmidt, 4:40 PM

For additional information about Curtiss-Wright Defense Solutions products, please visit [www.curtisswrightds.com](http://www.curtisswrightds.com) and LinkedIn.

## **About Curtiss-Wright Corporation**

Curtiss-Wright Corporation 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 Power, Process and Industrial markets. We leverage a workforce of approximately 8,600 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](http://www.curtisswright.com).

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