



## NEWS RELEASE

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Contact: John Wranovics  
M: 925.640.6402  
[jwranovics@curtisswright.com](mailto:jwranovics@curtisswright.com)

### **Curtiss-Wright New Secure Telemeter System Brings the Flexibility of Modular Configuration to Missile Test & Hypersonics Test Applications**

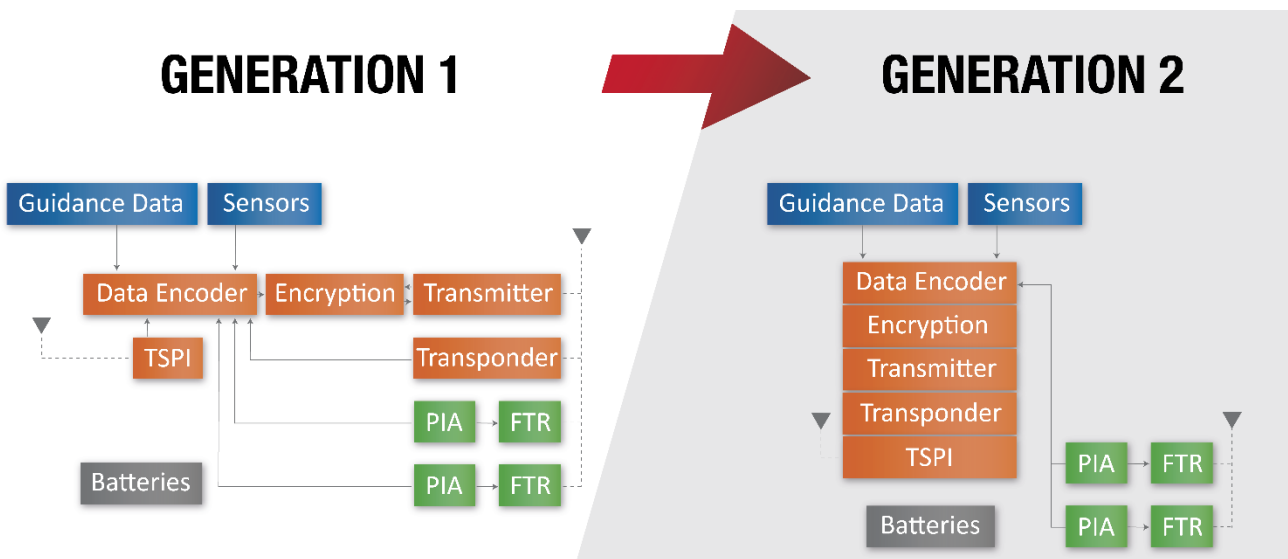
***New Modular Airborne Telemetry System (MATS) delivers design flexibility and state-of-the-art technology in a total system solution for missile test telemetry***

ASHBURN, Va. – June 13, 2022 – Curtiss-Wright's [Defense Solutions division](#), a leading supplier of flight test instrumentation (FTI) system solutions engineered to succeed, today introduced a new secure modular telemetry system designed to bring advanced performance and ease of configuration to missile test telemeter solutions. The new Modular Airborne Telemetry System (MATS) provides telemetry program engineers with a lower-cost, flexible and modular alternative to custom telemeter designs. For example, MATS enables telemetry engineers to begin their project with a MATS system configured as a standalone solution to support a specific functionality, such as performing data analysis using Curtiss-Wright IADS display and analysis software. As needed, the MATS chassis can be easily and rapidly expanded later with additional modules and/or subsystems, such as a data recorder or a Tactical Time-Space Position Information (TiSPI) module to add additional capabilities.

“Our new Modular Airborne Telemetry System leverages our expansive range of module and subsystem offerings developed for FTI applications to bring the low-cost, high-performance benefits of COTS technology to missile test programs, with little or no additional development expense,” said Chris Wiltsey, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions. “This total system approach enables us to significantly increase the performance and flexibility of telemetry systems, resulting in reduced development schedules and costs for missile test programs to drive higher production.”

## A Total Telemeter Solution

The MATS total solution approach also supports integrated transmitter and transponder modules, eliminating the need to deploy a separate unit on the test platform. With MATS, the telemetry system can be optimally configured at each stage of the missile development and launch program. It provides access to the most up-to-date technology through the use of cost-effective commercial-off-the-shelf (COTS) based standard products. Thanks to its optimal balance between size and performance, MATS is a compelling solution for missile, UAVs, Hypersonics, rotorcraft, and eVTOL telemetry applications.



The MATS total solution approach enables system designers to flexibly configure the functionality they require. The standard MATS configuration features Data Encoder, Encryption, Transmitter, Transponder, and TSPI modules. Curtiss-Wright's 2<sup>nd</sup> generation approach helps to reduce system size and weight by moving most functions into a single chassis. This also means fewer power supplies are required for lower power and a more reliable system. Fewer wires result in a less complex, more reliable, and lower weight system, while a modular approach enables simplified changes for different phases of platform development, testing and deployment. Additional modules for Power Interface Unit (PIA) and Flight Termination Receiver (FTR) functions will be added at a future date.

## About the Modular Airborne Telemetry System (MATS)

MATS is a state-of-the-art secure telemetry solution. The fully programmable system is highly configurable, thanks to the wide range of signal conditioning modules it supports, including excitation, low and high-voltage analog data, GPS, isolated power supplies, data security, and transmitters. The chassis has a miniature double-wide form factor and can be used to encode a

wide range of sensors, transducers, and data bus sources into a wideband PCM output stream at rates up to 20 Mbps. The fully ruggedized MATS system can be configured to operate in standalone PCM systems, networked systems, and CAIS remote systems.

For additional information about Curtiss-Wright flight test instrumentation and data acquisition solutions, please visit [www.curtisswrightds.com](http://www.curtisswrightds.com), LinkedIn, and Twitter @CurtissWrightDS.

### **About Curtiss-Wright Corporation**

Curtiss-Wright Corporation (NYSE:CW) 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.

Headquartered in Davidson, N.C., we leverage a workforce of 7,800 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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