



NEWS RELEASE

FOR IMMEDIATE RELEASE

Contact: John Wranovics
M: 925.640.6402
jwranovics@curtisswright.com

Curtiss-Wright Introduces Miniature Network Tactical Time-Space Position Information System for Highly Accurate navigational, IMU, and GPS Data

New compact MiTSPI nTTU-2600 captures and records positional data for flight test, missile test, and hypersonics test programs

EUROPEAN TEST AND TELEMETRY CONFERENCE (ETTC) 2022 (Booth #2-206) – Nürnberg, Germany – May 10, 2022 – Curtiss-Wright's [Defense Solutions division](#), a leading supplier of a flight test instrumentation (FTI) system solutions engineered to succeed, today introduced the newest member of its industry-leading Miniature Network Tactical Time-Space Position Information (MiTSPI) product family. The highly compact and accurate [MiTSPI nTTU-2600](#) delivers user defined TSPI information to support real-time telemetering via Ethernet and/or Chapter 4 PCM (Clock and Data). It also supports simultaneous recording for data retrieval post flight. Curtiss-Wright's family of MiTSPI miniature TSPI stack subsystems provides 4x accuracy in an envelope 1/10 the size of legacy units typically deployed on existing military platforms. Weighing only 1.5 lb (680 g) and measuring 3.29 x 3.14 x 4.00" (84 x 80 x 102 mm), the MiTSPI nTTU-2600 is ideal for use in demanding size, weight and power (SWaP) constrained applications, such as flight test, missile test, and hypersonics test. It provides highly accurate positional information for both location and orientation in space, to capture critical data such as navigational, IMU, and GPS information.

"We are very excited to further enhance and upgrade our proven family of miniature network TSPI solutions," said Chris Wiltsey, Senior Vice President and General Manager, Curtiss-Wright Defense Solutions. "Flight test programs need extremely accurate positional information, for both location and orientation in space, but they also need to reduce the weight and footprint of the sensor subsystems deployed on test platforms. Our new MiTSPI nTTU-2600 delivers the accuracy they seek combined with a built-in data recorder that connects to a transmitter for downlinking via PCM

so the test platform's position, orientation, and movement can be accurately correlated with data from other sources.”

The MiTSPI nTTU-2600 transmits real-time serial and Ethernet TSPI at data rates up to 20 Mbps and features a 100Base-T Ethernet interface. It supports a MINS-600 egress rate of 1 Mb/s. The unit's data recorder features a PCM output to transfer data into a transmitter. The MiTSPI nTTU-2600 stack includes the following Curtiss-Wright subsystems and functional blocks for data acquisition and recording:

- **MINS-600-1**: Interface to external connections and source of all TSPI position information to be formatted for TM and recording.
- **MREC-601-1**: CompactFlash Express (CFexpress) high-speed recording module.
- **MPPC-600-3**: Processor module
- **MACQ-600-1**: Data acquisition module
- **MPFM-461/MPSM-2005-3**: Power filtering and power supply module

For additional information about Curtiss-Wright flight test instrumentation and data acquisition solutions, please visit 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.

###

NOTE: All trademarks are property of their respective owners.