RT Logic!
Enabling Your Solutions

Real Time Logic, Inc.
1042 Elkton Drive
Colorado Springs, CO 80907
Voice: 719.598.2801
FAX: 719.598.2655

350th Telemetrix System Delivered

RT Logic announces delivery of the 350th Telemetrix™ system. Since the initial introduction just over three years ago, there has been widespread acceptance of the Telemetrix product line for satellite ground systems, spacecraft test systems, and spacelift range systems. Scalability, turn-key software integration, browser-based monitoring, and a small footprint characterize the newest Telemetrix systems.

"We are supporting a large number of military space programs," said Paul Thoreson, Director Space Business Programs, "including GPS, DSCS, DSP, SBIRS, CERES, CCS-C, NAVSOC, WGS, and AEHF. The ground systems for these programs are being updated using RT Logic's Telemetrix systems."

Our dynamic digital processor modules and real time personality (RTP™) technology is three or four generations beyond much of the heritage equipment being replaced." said Randy Culver, RT Logic President. "The resulting increased capabilities, higher performance, and reduced size/cost are dramatic."

A common architecture is used across all four Telemetrix models. This common architecture allows the FPGA-based hardware modules, firmware personalities, and software components RT Logic produces to be integrated in any of the Telemetrix systems. "The flexibility of the Telemetrix architecture allows us to not only leverage product development efforts, but also tailor the delivered Telemetrix system to specific customer requirements," noted Randy Culver.

The Telemetrix 505 performs satellite mission control center front-end functions. Telemetry, command, and crypto control processing is supported. The modular architecture of the T505 can support TDM, CCSDS, and ternary formats and a wide variety of encryptors/decryptors. These control centers connect to their remote ground antenna facility such as the AFSCN using the Telemetrix 508+.

The Telemetrix 70/70 performs uplink and downlink signal processing at ground antenna sites. T70/70 systems are available in a wide variety of configurations to support telemetry, command, and ranging functions. T70/70 systems are also in used within satellite test equipment for verification of the RF and hardline interfaces.

The latest Telemetrix system, the T106R, targets spacelift range applications. The T106R is designed to support real time range telemetry processing, data acquisition, and distributed resource management. T106R configurations include multi-channel PSK and FM telemetry streams.

RT Logic is a leading provider of open architecture systems and products for satellite ground operations, satellite test activities, and launch vehicle/range telemetry acquisition. RT Logic's Telemetrix 508+ and Telemetrix 70/70 complement the Telemetrix 505. For more information, please call (719) 598-2801, email: sales@rtlogic.com, or check out www.rtlogic.com.