

TTTech's solutions for platform integration in Boeing 787 Dreamliner™

Successful Boeing 787 Dreamliner Power-On with TTTech Solutions

Vienna, Austria – July 7, 2008

TTTech, the leading supplier of solutions in the field of time-triggered technologies, has contributed proven solutions for the successful completion of the Power On sequence for the first Boeing 787 Dreamliner. The company's products and services are used for integration of Hamilton Sundstrand's electric and environmental control systems in the 787.

A major milestone for the 787 program, Power On, demonstrates that the installation of systems in the advanced, more-electric aircraft is correct and work as expected. This step has been successfully accomplished using TTTech's design tools, embedded COTS products, and platform integration services based on Time-Triggered Protocol TTP® on June 19, 2008.

Power On of electric systems in the 787 includes successful integration of TTP-based distributed control systems in global multi-vendor cooperation. This proves the capabilities of TTP technology and TTTech's products to support complex concurrent engineering and system integration projects in the aerospace domain.



Systems integration is especially important to Hamilton Sundstrand since the company is developing a broad range of subsystems for the Dreamliner. In addition to its component engineering and manufacturing roles, Hamilton Sundstrand manages the integration, and oversees verification testing and certification of the airplane power system.

"TTTech's technology and effective teaming with Hamilton Sundstrand have helped yield an improved subsystems integration for the 787 power system," says James Desrochers, Hamilton Sundstrand Chief Engineer, 787 program.

TTTech provides generic embedded platform components and tools, which facilitate design of deterministic hard real-time systems, support system integration and concurrent engineering in large teams working at different locations. Within the scope of this demanding project with Hamilton Sundstrand, TTTech has taken over some system integrator responsibilities with focus on tool-assisted system resource allocation. This enables faster time-to-market and reduces burden on global development teams, which can now focus on application-specific domain.

"We are pleased to support Hamilton Sundstrand in this key implementation phase," states Kurt Doppelbauer, Director Sales Aerospace at TTTech. "Our involvement extended beyond products. It spanned from platform architecture analysis and integration tasks, integrated software development environment and corresponding processes to verification, validation and certification support."

About TTTech Computertechnik AG

TTTech Computertechnik AG is the leading supplier of solutions in the field of time-triggered computer systems. The company's products improve the reliability of data communication systems in transportation and automation industries. The solutions are based on TTP[®] and TTEthernet[™]. FlexRay[™] offerings are provided by TTTech's subsidiary, TTTech Automotive.

Standard software and hardware products are complemented by worldwide product and project support to efficiently develop and implement distributed embedded systems. TTTech's product range enhances the approach to handle safety-critical data communication with respect to cost, safety, and development efficiency. TTTech especially enables by-wire and integrated vehicle control systems and supports the reduction of system life-cycle cost and complexity.

Further information on TTTech is available at www.tttech.com.

Press Contact

Petra Platzer
TTTech Computertechnik AG
PR and Communication
Schoenbrunner Strasse 7
A-1040 Vienna, Austria
Tel.: +43 1 585 34 34-899
Fax: +43 1 585 34 34-90
E-mail: pr@tttech.com