

CONTACT:

Bill Pankracij
DSPCon
Marcom & PR Manager
908-722-5656 Ext. 202
wxp@dspcon.com

US Air Force Awards DSPCon Phase II SBIR for Propulsion Health Management Systems

BRIDGEWATER, NJ, September 30, 2009 – [DSPCon](#), Inc., a leading global supplier of data acquisition, analysis, archiving and recording solutions for high-value military, aerospace and rotating machinery applications, today announced that it was recently awarded a Phase II Small Business Innovation Research (SBIR) Contract by the US Air Force to continue development of an optimized processing platform to enhance signal processing capabilities in Propulsion Health Management (PHM) systems.

DSPCon president and chief executive officer Al Brower commented: "This recent award represents a strong, continuing vote of confidence in our technology architecture and validates our long-term strategic vision of developing and deploying innovative, real-time, data processing platforms that help innovative organizations like the US Air Force transform physical data into actionable intelligence to facilitate more critical decision-making while streamlining costs, regulatory compliance and related business processes."

PHM is viewed as a critical technology for improving and extending product lifecycles of aircraft systems through enhanced diagnostics, real-time data capture and reduced maintenance costs. Once completed, the DSPCon platform will represent an improved computational capability over currently utilized FADEC (Full Authority Digital Engine Control) hardware and software existing systems through the use of optimized signal processing algorithms. This improved capability will facilitate more thorough, rapid detection and analysis of equipment degradation so appropriate maintenance can be undertaken before degradation evolves into an equipment failure. The technology will be targeted at commercial and advanced aircraft applications.

"Extracting truly vital information in a manner and format that allows users to gain real insight as to what is happening in a jet engine is becoming an increased priority," added DSPCon Chief Scientist Mitch Wlodawski. "Given the current economic climate within the commercial and military aerospace industries, PHM represents a highly cost-effective and forward-looking solution to optimizing equipment uptime."

About DSPCon:

New Jersey-based DSPCon is a leading systems integrator and full-service solution provider of high-bandwidth, high-performance data acquisition, analysis and archiving systems for governmental agencies and commercial enterprises in the military, defense, aerospace, avionics, machinery, manufacturing and telecommunications industries. Certified to ISO9001:2008 quality standards, DSPCon solutions empower organizations to streamline test and development cycles and improve operational and production efficiencies by slashing the time between data acquisition and processed analytical results.

Today, DSPCon products and services support a wide variety of mission-critical signal processing applications including acoustic, vibration, shock and rotating machinery analysis, sonar and radar processing, digital data recording and jet engine testing. With hundreds of deployed solutions and over a decade and a half of experience in digital signal processing, systems integration and software development, DSPCon continues to be at the forefront in meeting the unique data acquisition needs of world-class organizations such as Pratt & Whitney, NASA, Honeywell and General Dynamics. For additional information on DSPCon, please visit: www.dspcon.com.

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