



Contact: Jennifer May
Tel: 727-530-1110 x302
Email: jmay@tandelsystems.com

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TANDEL SYSTEMS' VIRTUAL FRONT PANEL CONTROL AND MONITOR INTERFACE LOWERS COST FOR THE CUSTOMER WHILE EXPANDING FLEXIBILITY IN KEY AEROSPACE PROJECT

Clearwater FL, April 4, 2005 – When an important Tandel customer project first opened for bidding, Tandel Systems' Kim Vogel brought down the estimated cost for the project substantially while expanding functionality. His analysis resulted in a simpler engineering design for a control and monitor interface while exceeding customer requirements. Tandel Systems created the Virtual front Panel (VFP) which allowed the customer's engineers to remotely control and monitor specialized spacecraft computer systems during software integration and system test. Mike Varga, CEO of Tandel Systems, recognizes the value of this project as "This is an important development in custom test systems that permits the software engineer to control and simulate a Device Under Test (DUT) from any PC with a browser.

The Virtual Front Panel is of interest to DOD and commercial hardware/software manufacturers who need to remotely configure, stimulate, and monitor a system being used in a controlled environment such as a limited access lab, thermal chamber, or test station. The VFP consists of a VME style board with an embedded server and a variety of discrete, analog, and timing I/O. The VFP provides power supply management and monitoring, control of output discretes, PWM-type outputs to drive (such as periodic interrupts), and analog outputs, all with simple button control through a browser web page. Discrete and analog inputs can be monitored and displayed on the same web page. A key feature of the Virtual Front Panel is the virtual patch panel that allows the user to dynamically connect inputs of the DUT to outputs on the same DUT, or even a different DUT. All the patching is done through simple pull-down menus on the web page. Once the "virtual" patches are set, the VFP hardware makes the hardware connections between the DUT I/O's.

About Tandel Systems, Inc.

Tandel Systems, Inc., (Tandel) is a leading Aerospace and Defense engineering solutions company headquartered in Clearwater, Florida. Founded in 2001, Tandel provides high end engineering talent in the areas of systems design, development and testing on both an individual consulting and a managed project basis. Tandel Systems applies its program management expertise and advanced engineering discipline to solve complex mission and business problems for customers in government, defense, aerospace, aviation, and critical infrastructure. For more information about Tandel Systems, Inc., please call (727) 530-1110 or visit www.tandelsystems.com.

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MASTERING COMPLEXITY

16120 US Highway 19 North
Clearwater, FL 33764
Telephone: (727) 530-1110 | Fax: (727) 530-1210
www.tandelsystems.com