

VITA Member Introduces New Series of Program Profiles



Written in collaboration with its customers, DY 4 Systems Inc. has produced a new series of applications articles entitled, *COTS TODAY*. Each 'issue' focuses on a current generation deployed defense system that takes advantage of the Company's commercial off-the-shelf rugged and MIL-SPEC VMEbus solutions.

Three issues are now available and showcase COTS solutions for; the General Dynamics/ Abrams M1A2 Enhanced Battle Tank, the Royal Australian Navy's Collins Class Submarine and Boeing's "Darkstar" Unmanned Aerial Vehicle.

Future, planned issues are to include; Northrop Grumman's B2 Spirit, Raytheon's AQS-20 and GM's Light Armored Vehicle for Reconnaissance.

To be placed on the *COTS TODAY* mailing list, email DY 4 at: <cotstoday@dy4.com> or phone 613-599-9191. DY 4 can be found on the World Wide Web at <www.dy4.com>.



fed. The card cage is positioned in the enclosure to provide direct access to the VME front panels for ease in cabling. An easily removable top cover allows access into the enclosure. The PB 9U Series enclosures can be configured with either a 400 or 500 Watt power supply and are fan cooled.

<www.hybricon.com>.

Mizar, Inc., a leading supplier of computing products for the real-time signal and image processing market, announces the formation of a Telecommunications Products Group.

The Telecommunications Products Group is responsible for migrating Mizar's extensive experience and expertise in designing and building real time signal processing products to the burgeoning telecommunications markets. The Group will be working with telecommunications system suppliers to specify and design high value signal processing products for

integration into larger systems. The formation of this new Group coincides with the release of Texas Instruments newest digital signal processor (DSP), the TMS320C6201 and initial products will feature the new chip. <www.mizarinc.com>.

Pentek, Inc. has announced a new scalable multi-processor board for the VMEbus based on the revolutionary TMS320C6201 digital signal processor (DSP) from Texas Instruments, the world's leader in DSP solutions. The board can be configured with one to four 'C6201 providing up to 6400 MIPS of fixedpoint processing power and offers an optional Peripheral Component Interconnect (PCI) mezzanine card (PMC) site.

Ideally suited for many compute-intensive DSP applications, the advanced very long instruction word (VLIW) architecture of the 'C6201 DSP delivers a ten-fold speed improvement over previous generation devices. It executes eight 32-bit instructions in parallel within a 5 nsec instruction cycle time, yielding 1600 MIPS operation. A single-cycle multiplier, multiple-path ALU and dual channel DMA are coupled to complete I/O interfaces for SDRAM, SRAM and T1/E1 serial ports.

The Pentek Model 9134 surrounds each 'C6201 with up to 8 MB of SDRAM, 1 MB of Flash RAM, and a complete E1/T1 digital telecom line interface. Each 'C6201 has access to 2 MB of shared global SRAM which is also memory mapped into VME address space, providing a convenient means for passing data to and from the board. <www.pentek.com>.

Primagraphics has introduced **PARIS** (Primagraphics' Advanced Radar Interface Software) for Windows-NT. PARIS-NT allows easy integration of Primagraphics' radar scan conversion and TV video windows hardware with standard PCs. Radar scan-conversion or TV video may be added into a window in an existing application, without any degradation in the PC's performance. The real-time data is video-keyed into a window and is automatically



positioned and scaled by PARIS-NT to follow the window as it moves. The PARIS-NT software takes full responsibility for managing multiple windows as they overlap one another. PARIS-NT provides software developers with fully interactive control of scan-conversion parameters including fade, sampling, input azimuths, update angle, color tables, off-centering, zooming and rotation. PARIS-NT contains a set of libraries to control the Primagraphics' range of radar scan-converters, trackers and TV video windows systems. The C functions in these libraries interact directly with the hardware and present a high-level programming interface that is common across a range of hardware options. This means that application programs written on a PC are easily ported to other target hosts such as Sparc or DEC workstations. <www.primag.co.uk>.

Radstone Technology has announced X.25 support under VxWorks for both its VME 68360 Single Board Communications Controller (SBCC) range supporting up to four X.25 channels per board, and its 68-X4 Single Board Computer (SBC) range. For the SBCC, the package comprises two modules: X.25-

