Slice Technology from Themis Computer Selected for Submarine Software Defined Radio Communications System

 THEMIS’ processor-independent, switched computing architecture is designed to meet the increasingly stringent thermal and acoustic emissions demands of high density/high performance, mission-critical computing, in stealthy, submarine environments.

Fremont, CA (PRWEB) June 27, 2006 -- Themis Computer announced an agreement with MEDAV GmbH, an innovative provider of products for signal analysis, automatic detection and classification, demodulation and decoding. Themis will provide its Slice technology for integration by MEDAV into a submarine communication intelligence system. MEDAV is supplying their tuners, as well as signal and data processing software, running on Themis Slice servers. Themis’ Slice subrack will be integrated into 19” bays, with other MEDAV equipment, for this submarine application.

Themis Computer will provide technology from its new Slice switched computing initiative, including liquid cooled servers and solid state storage units, designed to meet the escalating thermal and kinetic management demands, of next generation, high density/performance, mission-critical computing.

A processor-independent architecture, the Themis “Slice” platform allows users to mix, match, and manage SPARC and x86 architectures, Solaris, Windows, and Linux operating systems, in combination with third party network servers, storage and switches. Quorum, Themis’ real-time, policy based resource manager, insures contracted application Quality of Service (QoS), for heterogeneous computing resources. Designed for high density, high performance computing, the Themis Slice Architecture is ideal for those who are looking for highly available, horizontally scalable processing power and lower life cycle cost of ownership.

“We have opened up new doors in the field of reconnaissance by developing network compatible tuner and GPP-based data processing software modules," stated MEDAV CEO Dr. Hans-Joachim Kolb. “Our COMINT-systems are cost-effective because they can be easily integrated into our customer’s standard IT-structures due to their modular design. In connection with the new Themis Slice technology, even ruggedized systems have become feasible. This fact even more strengthens our market position," Dr. Kolb added.

Themis Slice is offered in air and liquid cooling variants that provide thermal headroom to accommodate aggressive scaling of commercial microprocessor core density, speed and power. This open and modular design eases the burden of spiral technology refresh, extending computing infrastructure investments for complete lifecycle management.

“Themis Computer has achieved a breakthrough reduction in space, weight and power (SWAP), for mission-critical distributed computing systems. We are also the only vendor that can provide a commercial, scalable computing platform, with the low acoustic emissions required for this stealthy submarine application,” stated William E. Kehret, President of Themis Computer. “By functionally disaggregating commercial computing resources and housing the functional units in blind-mating (pluggable) rack slice modules, the Themis “Slice” architecture achieves high compute densities with superior thermal and kinetic management, without recourse to external shock and vibration isolation. Modularity is the key to lowering total cost of ownership,” Mr. Kehret added.

Themis Computer’s Environmentally Robust Servers and Single-Board Computers
Themis’ Slice is a switched computing initiative, designed to meet the escalating demands for thermal and kinetic management. Recently announced Quorum, is Themis’ distributed computing resource management software for mission-critical applications. Quorum is a policy-based system that performs automated closed loop management of application QoS, by dynamically allocating computing, storage and switching resources, in real-time.

Themis provides a broad range of high performance VME and Compact PCI computers and graphics controllers for the embedded markets, featuring AMD, Intel, IBM and Sun Microsystems processors. Themis’ family of VMEbus embedded computing products comprises the new IBM PowerPC® 970 based TPPC64® and the AMD Turion based TA64, as well as an extensive line of UltraSPARC SBC’s and graphics cards. Themis’ single board computers have been performance tested to MIL-S-901D, Class A standards, with equipment shock loads above 40 G’s.

Themis' high performance servers, single-board computers and graphics controllers are now being integrated into advanced communications and defense systems, worldwide. The Themis Computer family of VME-based boards and systems products provide increased processing power and system reliability for demanding application environments, while achieving a net reduction in total cost of ownership.

About MEDAV GmbH

MEDAV is an innovative and worldwide provider of state-of-the-art COMINT system solutions and COTS products appeals to customer needs in manifold areas of applications. By working with its business partners in trusted, long-term relationships, MEDAV is continuously striving for enhancing its customer satisfaction, and is therefore positioned to be a market leader in its class.

MEDAV'score business activities revolve around:

**RMS**
Radio Monitoring and Surveillance Solutions
Standard products and complete systems for signal analysis, automatic detection and classification, demodulation and decoding, as well as for wide band signal acquisition and speech processing

**ERD**
Engineering, Research and Development
Highly sophisticated monitoring and intelligence software packed in virtual devices to make reconnaissance of HF and VHF/UHF signals transparent

MEDAV Press Contact: marketing@medav.de [www.medav.com](http://www.medav.com)

About Themis Computer

Themis Computer is a leading developer and supplier of high performance VME and Compact PCI and ATCA single-board computers, as well as systems for mission-critical telecom-unications, military/aerospace, and industrial embedded applications. Themis provides open standards-based embedded computing platforms that
support the Solaris, Linux, Windows and VxWorks operating systems. Themis' products incorporate features
designed to ensure high reliability and availability while reducing the risks of failure caused by extreme
environments. An ISO 9001 certified company, Themis Computer practices Total Quality Management (TQM)
in all areas of its business, from engineering and manufacturing to customer service. Themis Computer is
headquartered in Fremont, California and offers worldwide service and support. For more information please

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