

PRESS RELEASE

University of Magdeburg in Germany to Deploy SiCortex High-Productivity Computer to Resolve Key Physics Research Gaps

Installation of Europe's most energy-efficient scientific computer marks debut of SiCortex-MEGWARE partnership in Germany

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MAYNARD, Mass., Jan 26, 2009 (BUSINESS WIRE) -- SiCortex, Inc., maker of the world's most energy-efficient high-productivity computing (HPC) systems, today announced MEGWARE Computer GmbH, its partner in Germany, has been selected to install and support a SiCortex SC5832 system at the University of

Magdeburg.

This leading German university will use its new computer to further advance the field of physics in a number of key areas. For example, research scientists will use the SC5832 to assist in the calculation of quantum spin systems, a series of projects that have been accumulating data for 20 years. In addition, specific applications will run on the SC5832 in the areas of many-body physics and materials science, including the study of nano- and microstructures in semiconductor materials, random number generation and eutectic crystallization. The university's Laboratory of Fluid Dynamics and Technical Flows will use the SC5832 to advance research in the field of fluid dynamics.

The competition to provide this next-generation research system to the University of Magdeburg was intense, with six computer manufacturers represented. MEGWARE and the SiCortex system came out on top for scalability, far outpacing the others. The single-cabinet SC5832 outperformed the various competing systems in other dimensions, as qualifying tests run prior to purchase demonstrated that its overall system bandwidth was 18 times greater than competing systems for their particular applications.

In terms of energy efficiency, the SiCortex system again led the competition. "We capped power consumption at 60 kilowatts for the bid, and that limit was a problem for many of the proposed systems," said Dr. Rolf Knocke, director of the Computing Center at the Otto-von-Guericke University of Magdeburg. "Not only did the SiCortex system meet our power requirements, it came in 40 kilowatts under the limit -- quite impressive considering the performance levels of the machine. The expected cost savings over time by running this energy efficient system was also a factor in our decision. Overall, we're very optimistic about how the computer will perform, and are proud to be the first university in Europe to install this dedicated HPC machine."

"Over a five year period, our customers have saved thousands of dollars in energy costs with the SC5832 compared to competing clusters that are similar in design," said Joerg Heydemueller, a sales representative for MEGWARE. "The energy savings benefits not only our customers, but the environment as a whole, and we hope that many HPC users will begin to follow this example."

About MEGWARE Computer GmbH

MEGWARE Computer GmbH distributes High-Performance Computing systems and IT-equipment to industry, banks, trade, universities, schools and public facilities. The company's turnkey solutions are customized to the specific requirements of a broad range of customers. Headquartered in Saxony - one of Europe's technology hubs - MEGWARE is active in both the German and international market. For more information, visit <http://www.megware.com>.

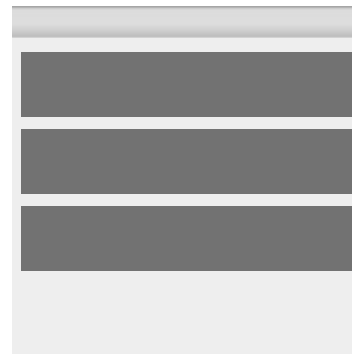
About SiCortex

Headquartered in the U.S. near Boston, Mass., SiCortex, Inc. makes the world's most energy-efficient high-productivity computers. Its proven architecture was designed from the silicon up to provide breakthrough delivered performance at the lowest power consumption in the industry. SiCortex computers scale from 72 to 5,832 processors running Linux and other open-source codes, in packages ranging from deskside to departmental to data center. SiCortex systems are the compute-power behind some of the most important research initiatives at government agencies, national laboratories and academic institutions. For more information, visit <http://www.sicortex.com>.

SOURCE: SiCortex, Inc.

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