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## **PRESS ADVISORY**

### **Celoxica Releases Programming Environment for SGI RASC RC100 Blades**

#### *Software compilation to FPGA co-processor enables supercomputing adoption*

**Oxfordshire, UK — May 1, 2006** — Celoxica (LSE:CXA) today announced software programming support for the SGI® RASC™ RC100 blade from Silicon Graphics (OTC: SGID). Based on SGI's groundbreaking RASC (Reconfigurable Application-Specific Computing) technology, the RC100 computation blade packs the power of dozens of supercomputer nodes into a single blade by leveraging the parallelism of dual Xilinx Virtex 4 FPGAs. Using Celoxica's DK Design Suite and libraries, the RC100 blades can be programmed directly by the end user to accelerate custom C software algorithms, overcoming the traditional barrier to FPGA-based computing.

The Celoxica environment speeds and simplifies the programming of FPGA devices from C-language software, enabling the acceleration of many high-performance computing (HPC) applications by orders of magnitude over conventional systems. Celoxica's library for the RASC RC100 provides C-language calls to access all the SGI core functions, registers, memories and debug resources. The DK Design Suite compiles these software functions and user algorithms directly to custom hardware to take full advantage of the parallelism of the FPGA devices and the performance of the SGI architecture.

Designed for use with award-winning SGI® Altix® servers, SGI RASC RC100 blades are used to accelerate mission-critical HPC applications in markets such as defense and intelligence, bioinformatics, medical imaging, broadcast media and oil and gas exploration,. The ability to program the FPGAs from C software, without the need for traditional hardware development flows, allows more users to incorporate the RASC RC100 blades in their SGI

Altix servers.

“A robust RASC solution must incorporate full integrated high-level language development tools,” said Bill Mannel, director, Systems Group, SGI. “Celoxica provides a seamless environment for programming the RC100 from C algorithms, and through our partnership with Celoxica, we are enabling the tremendous advantages of reconfigurable computing to SGI customers.”

As a convenience to customers, Celoxica and SGI have also signed a resale agreement making the Celoxica programming environment for the RASC RC100 available through the SGI sales force. The complete supercomputing solution, hardware blades from SGI, and programming software and support provided by Celoxica, is available directly from SGI for one-stop purchasing. The combined solution is available immediately and is currently shipping to SGI customers. Customers interested in the software programming environment may contact either SGI or Celoxica for more information.

Jeff Jussel, general manager and vice president of worldwide marketing for Celoxica said, “As the leader in C-based tools for FPGA programming, we are dedicated to the rapid adoption of reconfigurable computing by the HPC market. The Celoxica environment enables software programming of complex algorithms for FPGA acceleration, and combined with the SGI RASC RC100 becomes the compiler for a powerful supercomputing system.”

### **About Celoxica**

A leader in electronic system level design (ESL) and FPGA-based acceleration, Celoxica is enabling the next generation of advanced electronic products by producing tools, boards, IP and services that turn software into silicon. Celoxica technology raises design abstraction to the algorithm level, accelerating productivity and lowering risk and costs by programming semiconductor hardware directly from C-based software descriptions. Adding to a growing installed base, Celoxica provides the world’s most widely used C-based behavioral design and synthesis solutions to companies developing products in markets such as consumer electronics, defense and aerospace, automotive, industrial and security. Celoxica is a publicly traded company on the Alternative Investment Market of the London Stock Exchange under the symbol CXA. For more information, visit: [www.celoxica.com](http://www.celoxica.com)

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