NASA Marshall Space Flight Center Acquires Starbridge Hypercomputer

10 June 2003—*Huntsville, Alabama and Midvale, Utah.* Utah-based Star Bridge Systems announced today that NASA's Marshall Space Flight Center has purchased a Star Bridge HC36m Hypercomputer for use at the Center's Huntsville, Alabama facility.

The HC36m uses revolutionary software and hardware technology developed by Starbridge that yields significant benefits in performance, size and power consumption compared with conventional supercomputers. NASA Marshall's Advanced Computing Applications Office will use the system for investigations of fault-tolerant avionics systems, structural analyses, nuclear electric propulsion vehicles and rocket engine plume analyses.

"We are pleased and honored that NASA Marshall is using Starbridge technology," says Starbridge CEO and President Daniel Oswald. "We believe that the power of Hypercomputing in the hands Marshall's world-class scientists will produce applications of significant use to NASA, Starbridge and our respective industries."

Marshall is the second NASA Center to purchase Starbridge products. NASA's Langley Research Center is currently using Star Bridge technology for structural, electromagnetic, acoustic, and fluid mechanics analyses; radiation analyses for astronaut safety; pattern recognition; digital signal processing; and atmospheric science studies. Langley Research Center is currently using Star Bridge technology in such functional areas as structural, electromagnetic and fluid analysis, radiation analysis for astronaut safety, atmospheric science analysis, digital signal processing, pattern recognition and acoustic analysis. Langley scientists envision numerous additional potential uses for the technology in the future, including service as command centers for spacecraft and satellites.

In addition to Marshall and Langley, other users of Starbridge's hardware and software technology include the National Security Agency, Honeywell Space Systems, Smith's Aerospace, L3 Communications, the U.S. Air Force Munitions Directorate at Eglin Air Force Base, the San Diego Super Computer Center, The George Washington University, North Carolina A&T, George Mason University, the University of South Carolina and others.

About Star Bridge Systems

Utah-based Star Bridge Systems was founded in 1998 to harness and exploit the inherent advantages of reconfigurable technologies to create a new and better way of computing. Reconfigurable computing (RC) systems can alter their hardware configuration in response to changing user requirements, utilizing programmable processor chips called Field Programmable Gate Arrays (FPGAs). Compared with conventional processors, reconfigurable systems offer significant advantages in speed, flexibility, versatility and efficiencies of size, weight and electrical power consumption. Star Bridge's powerful proprietary tools and solutions — Hypercomputers and the Viva development environment and programming language — transform programmable FPGA chips into general purpose high performance computing systems with unprecedented power and flexibility. Star Bridge products enable elegant solutions to problems that were previously impossible or impractical to solve, and empower the development of tools and applications that will expand and create markets and extend the frontiers of possibility for many industries.

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