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Quantum3D Awarded Subcontract by SAIC for Advanced Signal- and Image-Processing Applications

LibertyVPX High-Performance Embedded Computing System Supports Remote Sensing and Image Processing for First Responders and on the Battlefield

SAN JOSE, CA –September 15, 2008–[Quantum3D, Inc.](#), a leading provider of Commercial off-the-Shelf (COTS) real-time visual computing solutions, today announced that it will serve as a subcontractor to [Science Applications International Corporation](#) (SAIC) [NYSE:SAI] on the [STAP Boy](#) contract for the [Defense Advanced Research Projects Agency](#) (DARPA). As the prime contractor, SAIC will leverage Quantum3D's new LibertyVPX High-Performance Embedded Computing (HPEC) system for an advanced deployed radar, [Signal Intelligence](#) (SIGINT), [Communications Intelligence](#) (COMINT), and [Imagery Intelligence](#) (IMINT) processing research and development program.

The STAP Boy program pursues the deployment of teraflop computing power to field environments. STAP Boy requires rapid, high-volume real-time processing so first responders and soldiers can use sophisticated high-resolution sensors, space-time adaptive radar systems, urban structure mapping and occupant tracking for their life-critical missions.

"The LibertyVPX HPEC systems combine a processing architecture with the unprecedented floating-point performance of GPUs and multi-core CPUs. The result is a compact, open-architecture, ruggedized package that's both cost-effective and ready to be deployed in the field," said Alan Commike, principal high-performance computer architect for Quantum3D. "We're pleased that this technology has been selected for use on the STAP Boy program by a market leader such as SAIC."

The LibertyVPX HPEC systems use the real-time Linux® operating system and employ Quantum3D's new VigilanceVPX single-board computers to achieve superior performance for demanding applications in the field. The LibertyVPX HPEC system that SAIC will use provides [Field Programmable Gate Arrays](#) (FPGAs) and mobile [Graphics Processing Units](#) (GPUs) along with low-power, embedded Intel® multi-core [central processing units](#) (CPUs). This entire solution is integrated in a high-performance, Infiniband™-based switch fabric architecture.

About Quantum3D

Quantum3D, Inc. is the leading developer and manufacturer of Commercial-off-the-Shelf (COTS), open-architecture, real-time visual computing solutions. Quantum3D combines the most advanced hardware and software systems for graphics simulation in a variety of markets and

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implementations—image generation; tactical computing for avionics, vehicle, and man-wearable applications; synthetic environments; graphics subsystems; and other COTS solutions. Quantum3D is a privately held company headquartered in San Jose, California. For more information about Quantum3D real-time visual computing solutions, please visit www.quantum3d.com.

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