



## **DRC Computer Wins Place on Finalist Short List for American Security Challenge Competition**

**High-Performance Persistent Surveillance Analysis System for Aerial and Ground Combat Vehicle Sensor Systems Proposed for Prestigious National Security Technology Content**

SUNNYVALE, CA, September 13, 2010 –[DRC Computer Corporation](#) (DRC), the leading innovator of dynamically reconfigurable processors, has been named a due diligence finalist in the annual [American Security Challenge](#) competition, the largest competition and funding matchmaking opportunity for security technology. DRC proposed a pilot program providing high performance sensor analysis system for persistent surveillance that leverages its existing image processing experience. This advanced surveillance analysis system will make the increasingly massive volumes of intelligence data generated by sensor systems in manned and un-manned aerial and ground combat vehicles real-time actionable, thereby saving American lives and eliminating terrorist threats.

The American Security Challenge competition matches an estimated \$25 million in contract awards, pilot programs sponsored by prospective customers, a Protégé award to be mentored by Raytheon in the highly regarded Department of Defense/Small Business Administration Mentor Protégé program, and private presentations with active angel and venture capital investors. From more than 220 company submittals, DRC was the sole challenger in the competition to propose an FPGA image processing pilot and will present its pilot proposal along with other due diligence finalists at the upcoming American Security Challenge event on September 23 in Washington, DC.

For its proposed pilot, DRC will apply its proven experience in developing very high-performance platforms that demonstrate substantial performance gains in image processing and are suited to space-, weight-, and energy-constrained environments, such as aerial and ground combat vehicles. This pilot will provide a prototype of an on-vehicle system that collects, collates, and analyzes multiple sensor data sources at the point of data collection, thereby significantly reducing the time gap between in-theatre intelligence data collection and actionable intelligence. The on-board system will combine and analyze multiple sensor images including visual (e.g., roadside containers that could be potential IED threats), infra-red (e.g. night time terrorist movement), and full multi-spectral imagery with coordinate data including time and location.



DRC processors' acceleration also enables the ability to analyze the more accurate and increasingly used 3-D data, which increases data more than 1,000-fold over 2-D images. DRC's persistent surveillance image processing system will decrease analytic cycle time, speed the dissemination and exploitation of data, and allow for larger areas to be captured during a single "mission." This prototype will also address the need to transmit the actionable intelligence to combat ground station using unique highly secure data transmission technique. This capability was developed by DRC's parent company Security First Corp., whose implementation uses the DRC processor has already been demonstrated at 20 gigabits per second.

"We are honored to be short-listed in the American Security Challenge competition with our persistent surveillance analysis prototype based on our experience in solving similar high-performance image processing technology challenges," said Larry Laurich, DRC CEO. "This technology is critical to the current mission requirements in Afghanistan and Iraq, allowing our war fighters to integrate and analyze disparate sensory data in real time as events unfold and ultimately saving lives, decreasing warfare costs, and increasing our ability to win in asymmetric warfare."

#### **About DRC Computer Corporation**

[DRC Computer Corporation](#) is the leading provider of true coprocessors, addressing the needs of time-critical, data-intense applications in the defense and finance industries, security environments, web companies, and biomedical markets. Based on the latest field programmable gate arrays (FPGAs), the DRC Accelium™ coprocessors are coded to run complex algorithms and routines orders of magnitude faster than the same routines executing in software on an x86 processor. DRC's products provide ultra-high performance with very low energy usage (typically less than 25 watts) and minimal space requirements, producing actionable intelligence much faster (100x and more) and at significantly lower cost (90% lower) than traditional computer technologies. DRC is a wholly owned subsidiary of [Security First Corp.](#), an emerging industry leader in information assurance, data security, privacy, integrity, and high availability.

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