



NEWS RELEASE

SPRAYCOOL® SELECTED FOR BAMS PROGRAM

Sierra Nevada Corporation selects SprayCool as Key Supplier for ESM System

Liberty Lake, WA– November 9, 2009 – SprayCool®, a recognized leader in advanced thermal management and environmental isolation products for the military, announced today that it was selected by Sierra Nevada Corporation (SNC) to supply its liquid cooled enclosure to support their Electronic Support Measure (ESM) system on the U.S. Navy’s Broad Area Maritime Surveillance Unmanned Aircraft System (BAMS UAS). The current development program was awarded to Northrop Grumman in April of 2008, and Sierra Nevada is working with Northrop Grumman to provide the ESM system.

SNC selected a SprayCool chassis based on its Multi-Platform Enclosure (MPE). The chassis will be installed on the RQ-4N Global Hawk (a marinized version of Northrop Grumman’s combat-proven RQ-4 Global Hawk).

The MPE is a multi-slot scalable enclosure enabled with SprayCool’s patented “direct-spray” 2-phase closed-loop liquid cooling system. The MPE includes an integrated pump and controller, which in this case will be connected to a liquid-to-liquid heat exchanger that cools the liquid via fuel.

“By choosing the SprayCool chassis, we now have the ability to use COTS cards for our ESM system. This allows us to provide a much more cost effective package, while meeting the harsh operational requirement,” commented Curt Carr, SNC’s BAMS Program Manager. “Choosing this versatile enclosure eliminated the need for us to develop custom ruggedized cards and chassis, therefore enabling us to satisfy our customer’s demanding schedule,” he added.

“This contract highlights SprayCool’s growing adoption by key military UAV programs, and we are honored to be selected in support of such a major program as BAMS,” said Matt Gerber, President and CEO of SprayCool. “And the ability to select non-ruggedized cards is a benefit we see being recognized repeatedly across a wide spectrum of our military customers,” he added.

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SprayCool Technology

SprayCool patented [two-phase liquid cooling technology \(see video\)](#) uses a fine mist of non-corrosive, non-conductive liquid, sprayed in a thin layer, which evaporates and cools electronics. The process continuously cycles within a sealed, closed loop system. In doing so, SprayCool products isolate the electronics from dirty, corrosive environments found in military and industrial applications resulting in cooler, higher performance, and more durable electronic devices. The technology provides an efficiently controlled and isolated environment for a broad mix of electronics in a package that is significantly smaller, lighter, and more power and cost efficient, and faster to deploy by the integrator.

About SprayCool

SprayCool (*also known as Isothermal Systems Research, Inc.*) is a global leader in the development of next-generation electronics thermal management and environmental isolation enclosure products for DOD and industrial computing applications, using its patented two-phase liquid cooling technology. SprayCool works with today's leading integrators to meet the military's most demanding requirements, and is gaining wide acceptance on a number of key SIGINT and EW programs. Founded in 1988, SprayCool is a privately held corporation headquartered in Liberty Lake, WA. For more information, please visit www.spraycool.com

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