News Release

SPRAYCOOL AWARDED ANOTHER MILITARY CONTRACT FOR UNMANNED AIRCRAFT SIGINT APPLICATION

SprayCool® Technology Cited as Key to Installing Sensor Electronics in MQ-1 Predator Aircraft

LIBERTY LAKE, WA – July 28, 2008 – SprayCool, a recognized leader in the development of advanced thermal management and environmental isolation products for military, aerospace and industrial applications, announced today the award of a contract from Northrop Grumman Corporation's (NYSE: NOC) ISR Systems Division under which the company will provide its liquid-cooled enclosures for the U.S. Air Force Airborne Signals Intelligence Payload 1C (ASIP-1C) program. The SprayCool enclosures will house signals intelligence electronics for the Air Force's SIGINT-equipped MQ-1B Predator Unmanned Aircraft System (UAS), in support of Predator's tactical warfighting role, sometimes described as a hunter/killer/scout mission.

Under this contract, the SprayCool Multi-Platform Enclosure (MPE) was selected by Northrop Grumman as a critical component in the ASIP-1C sensor payload for SIGINT-equipped Predator aircraft. Additionally, SprayCool selection allowed Northrop Grumman and the Air Force to leverage their previous investment, by enabling them to use the same electronics as on the baseline ASIP program on other platforms. *(See release by Northrop Grumman issued on 22 April 2008)*.

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Product

The MPE provides complete environmental isolation for the system, and is also unique in its ability to manage operating temperatures for the computing electronics in extreme environmental conditions. Similar to the variant SprayCool ASIP enclosure flying aboard the U-2 and Global Hawk platforms, SprayCool's MPE chassis enables optimum electronics performance and increased reliability for the SIGINT application. The scalable SprayCool enclosure, which is being adopted in a variety of military manned and unmanned airborne applications, will be deployed on Predator using a 9-slot configuration.

"This award is a direct result of the performance of our SprayCool enclosures onboard the U-2 and Global Hawk aircraft. The selection of SprayCool for the Predator UAS further validates the effectiveness of our solutions, and positions us for similar applications for upcoming DOD airborne ISR programs where existing and new electronics components can be packaged together and deployed more quickly." said Matt Gerber, SprayCool's President and Chief Executive Officer.

SprayCool Technology

SprayCool's 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.

The SprayCool MPE enclosures will be delivered to Northrop Grumman in 2008.

About SprayCool

SprayCool (also known as Isothermal Systems Research) 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 cooling technology. SprayCool solutions are sourced by a variety of today's leading prime and system integrators to support some of the most demanding application environments. 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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