



NEWS RELEASE

SPRAYCOOL® Enclosures Selected by Northrop Grumman for Global Hawk Production



Liberty Lake, WA– August 19, 2008 – SprayCool®, a recognized leader in liquid-cooled tactical enclosure products, announced today that it was awarded a production contract by Northrop Grumman Corporation (NYSE: NOC) to supply electronics enclosures for the U.S. Air Force RQ-4 Global Hawk Unmanned Aerial System (UAS). Under this contract, each of the first five of twenty-five currently planned Block 30 aircraft will get outfitted with two SprayCool Enclosures that will host Northrop Grumman’s processing electronics in support of their Airborne Signals Intelligence Payload (ASIP) program.

ASIP is a signals intelligence sensor payload developed by Northrop Grumman Mission Systems sector’s Electromagnetic Systems Laboratory business unit for use on both the U-2 and Global Hawk. This production win falls on the heels of the ASIP-1C award, a scaled-down derivative system that SprayCool is working with Northrop Grumman to develop an electronics enclosure for the MQ-1 Predator UAS.

“SprayCool Enclosures allow Northrop Grumman the flexibility to select from a wide range of electronics, some of which feature commercial grade components, and field them in harsh environments like the high altitude operation of the Global Hawk,” said Matt Gerber, president and chief executive officer of SprayCool. “They are able to do that in un-pressurized, un-conditioned air space, leaving the more valuable, but limited conditioned air space available for legacy avionics,” 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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