



FOR IMMEDIATE RELEASE

SprayCool Recognized as one of C4ISR Journal's BIG 25 for 2008
SprayCool chosen as a top 5 finalist, in Innovation category



Liberty Lake, WA– October 14, 2008 – SprayCool®, a recognized leader in the development of advanced thermal management solutions for electronics for military and industrial customers, was selected as a finalist for a C4ISR Journal's BIG 25 award. BIG 25 Awards are meant to recognize the top 25 programs, technologies and agencies that matter most in the defense industry, in five select categories: Platforms ; Sensors; Systems, Agencies and Innovations. SprayCool was announced as a top-5 finalist for the category of "Innovations", which C4ISR defined in the article as "C4ISR-related technology breakthroughs that could pay off soon, if not already doing so".

SprayCool's selection was based on the Multi-Platform Enclosure (MPE) product, a unique two phase liquid cooled electronics enclosure that is being deployed by Northrop Grumman on UAV's like the RQ-4 Global Hawk, MQ-1 Predator, and MQ-9 Reaper for signals intelligence (SIGINT) EW applications. SprayCool's MPE enables mixing both commercial grade air-cooled and conduction cooled electronics cards in the same enclosure, and provides complete environmental isolation and survivability in harsh environments. SprayCool's unique enclosures support the trend for more processing payloads co-located with the sensors on air platforms, especially for SWaP constrained UAVs and other military aircraft which include the U2 Dragon Lady high altitude reconnaissance aircraft.

Platform level integration is made possible even in unpressurized spaces, because the enclosure and heat exchanger constitute an autonomous subsystem without dependence on dedicated cooling infrastructure, such as an ECS. In addition, the ability to integrate and deploy commercial grade electronics by using the MPE in these restricted space aircraft environments yields marked procurement lead time advantages and exceptional cost savings over the life of the product.

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The winner in each category will be selected and announced at a special banquet, on October 16 at the Marriott in Crystal City, Va, by a committee comprised of chief editors and executive representatives from Army Times Publishing, C4ISR Journal, The Journals, Defense News, Aerospace Industries Association and the Lexington Institute. For more details, see: <http://www.c4isrjournal.com/story.php?F=3694563>

SprayCool Technology

SprayCool patented [2-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) is a global leader in the development of next-generation electronics thermal management and environmental isolation enclosure products for DOD and industrial 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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