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## **QUALLION'S ADVANCED LITHIUM ION BATTERY INCLUDED IN SUCCESSFUL U-2 FLIGHT DEMONSTRATION**

**Sylmar, Calif. (September 14, 2009)** — Quallion LLC, the world leader in the development of customized lithium ion batteries, provided an advanced battery that was used in a successful U-2 flight test at Palmdale, CA on July 13, 2009. The company was awarded a demonstration contract by Lockheed Martin Corporation last year to determine the technological feasibility of an advanced lithium ion battery to be used in the U.S. Air Force U-2 Fleet.

Quallion's customized 28V-38Ah lithium ion battery is being tested, under contract with Lockheed Martin, to demonstrate lithium ion technology as viable backup power for the aircraft's electronics if its generator malfunctions. Lithium ion technology also has the potential to reduce the weight and maintenance costs for the U-2 fleet.

"This has been a wonderful opportunity and we are very pleased about the success of the test flight," said Paul Beach, Quallion President. "We hope to continue working with both Lockheed Martin and the U.S. Air Force in the future."

Quallion currently produces high volume medical and military batteries as well as custom-designed aerospace batteries. Cell designs range from the world's smallest conventional lithium ion cell (a cylindrical 1.8 mAh cell) for medical implants to large 15 and 72 Ah prismatic cells. Quallion also has extensive experience with the commercialization of its module type battery configurations using its proprietary Matrix™ technology that enable scalable battery designs that can be quickly and cost effectively reconfigured for use in a variety of vehicles from heavy duty trucks to passenger cars.

### **About Quallion LLC**

*Quallion LLC was founded in 1998 by biotechnology and aerospace entrepreneur Alfred E. Mann and lithium ion battery specialist Dr. Hisashi Tsukamoto. The company designs, fabricates and manufactures state-of-the-art lithium ion cells and battery packs, and develops new battery chemistries for the military, aerospace, medical and automotive industries. Building on its legacy leadership position in the medical device industry, the company has developed a range of novel enabling technologies that include the world's smallest implantable secondary battery and the proprietary Zero-Volt™ and SaFE-LYTE™ technologies. Leveraging its core engineering capabilities, Quallion has established itself as a leader in applications where advanced battery technology, safety, reliability and custom engineering are most valued. The company possesses more than 60 chemistry, cell and battery patents and has 90 pending patents. Company certifications include ISO 9001:2000, AS9100B, and ISO 13485:2003. Visit [www.quallion.com](http://www.quallion.com) for more information.*

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