

# Bye Aerospace Selects BoldIQ for Silent Guardian Hybrid UAV

/EINPresswire.com/ DENVER, Colorado - January 18, 2013 - [Bye Aerospace](#), Inc., a Denver-based company applying clean energy solutions to innovative aircraft designs for the aerospace and defense markets, announced that [BoldIQ](#) Inc. will provide operations optimization and disruption management software for the planned hybrid UAV (unmanned aerial vehicle) called the Silent Guardian.



The Silent Guardian hybrid UAV

BoldIQ, the revolutionary optimization software company, will provide its fully integrated and automated flight operations management platform – Astro™ - with its built in optimization engine - Solver™. Through the application of sophisticated proprietary systems-based optimization, the Astro platform will enable customers of the Silent Guardian to plan and accomplish more missions at any time with a given number of aircraft, than with traditional planning methods. Furthermore, the Astro platform supports real-time optimized and actionable disruption management & recovery, and rapid automated scenario planning, thus adding a level of overall mission reliability for the customers.

The Astro system was developed to support a 'management by exceptions' doctrine. The high level of automation, intelligent rules engines, scalability and flexibility, will provide customers with the ability to manage the planning and ongoing operation of their fleet and missions with less personnel and to a higher degree of operational efficiency. This is another aspect of the superior value proposition offered by the Silent Guardian program.

The first of its kind hybrid UAV concept utilizes a turbofan engine for initial high performance takeoff and climb. Stored electric power and very advanced thin film solar photovoltaic (PV) provide energy for electric thrusters to enhance its extraordinary endurance, quiet operations and low emissions. Potential government applications for Silent Guardian include border patrol and homeland security, search and rescue, visual and thermal reconnaissance and forward air control. Potential civil applications include disaster and fire detection and management, energy and natural resource surveillance, large area border security, treaty, fishery and aerial law

enforcement, extreme range cargo ship convoy protection, pipeline and power transmission line inspection, large area weather monitoring, including hurricane 'hunting' and satellite-like aerial photography, communication and data relay.

George Bye, CEO of Bye Aerospace, said selecting BoldIQ is the optimal choice for the unique Silent Guardian solar electric hybrid program. "Given shrinking defense and government budgets combined with higher expected returns, the ability of BoldIQ's solution to enable our customers to accomplish more missions with lower operating costs is exactly in-line with the overarching value we are proposing," he said.

"The Silent Guardian represents a revolutionary new paradigm in unmanned aviation," said Roei Ganzarski, President & Chief Operating Officer of BoldIQ, adding "with a mission of enabling our customers to expect and realize more from their resources, we are proud to have been selected to partner on such a bold new program."

#### ABOUT BYE AEROSPACE

Bye Aerospace, founded in 2007 and headquartered near Denver, is applying clean energy solutions to innovative aircraft designs for the business aviation and defense markets. For more information, go to [www.ByeAerospace.com](http://www.ByeAerospace.com).

#### ABOUT BOLDIQ

BoldIQ is a global provider of revolutionary software-driven optimization solutions to industries that operate in highly complex, constantly changing environments. The BoldIQ differentiator is our ability to optimize large scale resources and manage disruptions, all in real-time, generating significant increases in productivity and decreases in operating costs. For more information go to [www.boldiq.com](http://www.boldiq.com).

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