Lockheed Martin Provides Energy Resiliency Solutions To Support U.S. Army Operations

WASHINGTON, Oct. 8, 2018 – Lockheed Martin (NYSE: LMT) is providing energy storage capabilities to support the U.S. Army's efforts to enhance its base resiliency, preserving power in the event of natural disasters, cyber-attacks or shutdowns.

Lockheed Martin has introduced the most energy dense storage system on the market to support resiliency efforts. The latest example is Lockheed Martin's collaborative effort with infrastructure firm AECOM to deliver a Battery Energy Storage System (BESS) at the U.S. Army's Fort Carson base in Colorado. This BESS uses Lockheed Martin's GridStar® Lithium energy storage system and is currently the U.S. Department of Defense's largest peak-shaving battery system.

"The energy challenge is an engineering challenge, and that's what we've been perfecting for more than 100 years," said Frank Armijo, vice president, Lockheed Martin Energy. "We have a unique range of energy storage solutions, and every system we offer is tailored to our customers' mission needs. We're proud to support them as they develop strategies for greater levels of security and resiliency."

Lockheed Martin can extend the U.S. Department of Defense's energy operations through:

Intelligent microgrid solutions. Intelligent microgrids provide efficient, reliable and secure energy systems that integrate existing power generation assets with new or existing renewable power sources. These microgrids ensure power quality is maintained and can seamlessly transition from a grid-tied mode to an independent mode.

Energy storage solutions. Lockheed Martin recently released the company's next-generationGridStar® Lithium energy storage system and is currently installing these systems for utility, commercial and military applications. Integrating Lockheed Martin's storage system with renewables provides clients the opportunity for more reliable energy and enables significant energy savings. Lockheed Martin's GridStar® Lithium turnkey energy storage systems are UL 9540-certified, compact, easy to install and scalable from 100 kW to multi-MW projects.

Lockheed Martin is also developing a revolutionary long duration energy storage solution called GridStar® Flow, which is currently in the final stages of design and testing. When complete, GridStar® Flow will be safer, more flexible and more reliable than any other flow battery system previously developed. GridStar® Flow is designed to provide power for more than 12 hours, ensuring the most flexible resiliency solutions for government and commercial clients. GridStar® Flow is targeted at providing microgrid support, renewable power shifting, and resolving transmission and distribution system bottlenecks.

Systems integration. An independent microgrid system, with inputs from multiple sources, requires a complex infrastructure and series of device controls to operate. Lockheed Martin customizes solutions for each customer to meet their unique system requirements, with cyber security integrated in each subsystem.

Lockheed Martin Energy is a line of business that delivers comprehensive solutions across the energy industry to include demand management solutions, efficiency, short and long duration energy storage, Energy Service Performance Contracts (ESPCs) under the Federal Energy Management Program, cyber security, microgrids, nuclear systems and bioenergy advanced gasification.

About Lockheed Martin

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 100,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. This year the company received three Edison Awards for ground-breaking innovations in autonomy, satellite technology and directed energy.

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