



Lockheed martin gridstar flow

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potential of clean energy, Lockheed Martin has developed GridStar Flow: an ...

Engineered for the future of energy, GridStar Flow is an innovative redox flow ...

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FORT CARSON, Colo. -- The Hon. Rachel Jacobson, assistant secretary of the Army, Installations, Energy and Environment, and Maj. Gen. David Doyle, commanding general, 4th Infantry Division and Fort Carson, cut the ceremonial ribbon celebrating a new energy-efficient, large flow battery system pilot program Nov. 20, on Fort Carson.

"The "GridStar Flow" battery is the future of energy storage and sustainability at Fort Carson, the U.S. Army and Department of Defense," said Dr. Andrew Nelson, director, Construction Engineering Research Laboratory, U.S. Army Corps of Engineers. "It's a long-duration energy storage system on a military installation holding 10 Mega-Watt hours of energy."

The one-megawatt "GridStar Flow" energy storage system is able to discharge energy for 10 hours. This equates to 400 homes which will be able to receive uninterrupted power, said Joe Wyka, deputy garrison commander.

The "GridStar Flow" battery involved a lot of collaboration from Fort Carson's Directorate of Public Works, U.S. Army Corps of Engineers - Omaha District, U.S. Army Corps of Engineers - Huntsville, Colorado Springs Utilities and Lockheed Martin to enhance Fort Carson's energy resilience.

Steven Botwinik, vice president of Advanced Programs Execution and Transition, Lockheed Martin Missiles and Fire Control, gave more insight on the "GridStar Flow" battery.

"The "GridStar Flow" demonstration unit is a one-megawatt demonstrator that will discharge power for up to 10 hours to enhance grid resiliency for the U.S. Army Fort Carson. And it's the first of its kind. No other product can provide this level of robust flexible energy storage while sustaining power for extended periods of time."

For more information about Fort Carson's initiatives visit <https://home.army.mil/carson/>.



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Construction has begun on a megawatt-scale flow battery project at the US Army's Fort Carson in Colorado.

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