

Green Car Congress


Energy, technologies, issues and policies for sustainable mobility

23 May 2014

[Go to GCC Discussions forum](#)

[About GCC](#)

[Contact](#)

 [RSS Subscribe](#)

 [Twitter headlines](#)

Home
Topics
Monthly Archives
Resources
Perspective

Google

GCC Web

Tweets From the Editor
(different than
@GreenCarCongres headlines in
horizontal menu)

Tweets



Mike Millikin

@mmillikin

Renault's EV plans hit by we



Mike Millikin

@mmillikin

DOE chief says driverless car
Expand



Mike Millikin

@mmillikin

Toyota cheers plan for U.S. f



Mike Millikin

@mmillikin

Smog war skirmish: Calif. un

[« Sundrop Fuels selects IHI for inaugural commercial and demonstration plant; "green gasoline" | Main | Renault makes public its lifecycle study of Fluence ICE vs Fluence EV »](#)

 [Print this post](#)

Continuous test operation begins for large-format Li-ion energy storage system at power plant

11 July 2013

Evonik Industries, STEAG, and other project partners put a lithium electricity storage system (LESSY) into [operation](#) at STEAG's Fenne power plant in Völklingen, Saarland, Germany. The research project is a collaborative venture between Evonik, STEAG Power Saar GmbH, Li-Tec Battery GmbH, Digatron Industrie-Elektronik GmbH, the EWE Next Energy and Power Engineering Saar institutes, and the Universität Münster. The large-format energy storage system was developed under a research initiative sponsored by the German Federal Ministry of Education and Research.

LESSY is based on the lithium-ion battery technology that Evonik developed specially for electro mobility. The system is designed to accommodate 4,700 lithium-ion battery cells with a storage capacity of around 700 kWh and an output of around 1 megawatt.

At the Völklingen-Fenne site, STEAG operates several plants for the generation of electricity, district heat and process steam: the Völklingen Model Power Plant (MKV); the Völklingen combined heat and power plant (HKV); another combined heat and power plant (Fenne I), one mine gas engine plant; and a gas turbine. Installed capacity is 466 MW.

LESSY functions by creating a buffer when more energy is generated than consumed. The storage system, which is housed in a shipping container, can thus help to stabilize the grid. The ramp-up of test operations now underway will show whether lithium-ion storage systems can reliably fulfill this function of grid stabilization.

July 11, 2013 in [Brief](#) | [Permalink](#) | [Comments \(0\)](#) | [TrackBack \(0\)](#)

TrackBack



Mike Millikin

@mmillikin

2015 Passat w/ plug-in hybr

Show Summary



Mike Millikin

@mmillikin

Tweet to @mmillikin

TrackBack URL for this entry:

<http://www.typepad.com/services/trackback/6a00d8341c4fbe53ef0192abf55acf970d>

Listed below are links to weblogs that reference [Continuous test operation begins for large-format Li-ion energy storage system at power plant](#) :

Comments

Post a comment

This weblog only allows comments from registered users. To comment, please [Sign In](#).