

# FLUX News

► May 2017

► [www.flux.dk](http://www.flux.dk)

## ► FLUX renewable — wind turbine power converter

Converting the turbine output to a useful voltage and frequency requires large converters working with megawatts at high voltages. Flux produces an integrated transformer unit which isolates and delivers the power & control-signals to the converter-switches that converts the wind turbine energy.



## ► FLUX renewable — electrical vehicle chargers

Renewable has the most positive impact when replacing fossil fuel usage for transportation. Flux has developed several transformers and inductors for 10kW and 25kW fast chargers for use in electrical vehicle charging stations and charging parks.



## ► FLUX renewable — energy storage and grid management

Most renewable energy sources - such as wind and solar - cannot deliver power on demand. Energy is only available when the sun shines or the wind blows. If renewable energy is to become a dependable energy source, then energy storage is required. For this a converter that can handle different voltages from multiple sources is necessary.

A novel type of such a converter is being developed by Flux in cooperation with the Technical University of Denmark and the Danish electricity company Eniig under the Local Energy Storage project. This new converter will efficiently store excess energy from many sources on battery-banks until the energy is needed. Apart from storing energy the battery capacity and innovative control concept, will enable higher production from grid connected renewable power and help stabilize the power grid.

