Case Study
Frequency Containment Reserve (FCR)

Facts:
Customer/ Project: Royal Lemkes
System: On-Grid
System size: 450 kW / 600 kWh
Installed: 2017
Location: Bleiswijk, Netherlands

Application

Frequency Containment Reserve (FCR)  Energy Trading

Initial Situation
Royal Lemkes is a big company, which is selling plants to 35 countries. In 2017, they had nearly 4,000 solar panels installed on their roof to get energy neutral. After the installation, they noticed that the solar panels generate more power than the company itself needs and therefore wanted to use the energy and make it available to employees at home. This energy supply has to be reliable.

Our Solutions
With Solition Powerbooster cabinets in a container solution, 600 kWh of energy can be stored at the Royal Lemkes location to provide energy even in times when the sun is not shining. Together with Engie, the energy is traded on the market to get the best benefits for both the company and the customers. With this energy storage system, Royal Lemkes can also store energy as a reserve to do FCR in case the grid needs to be stabilised.

Benefits

Generation of monetary benefits  Contribution to grid stabilisation  Sustainable energy supply

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