

# 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 4000 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 PWR Booster 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

