

# FLEXIBILITEIT & OPLSAG

**THINK-E**



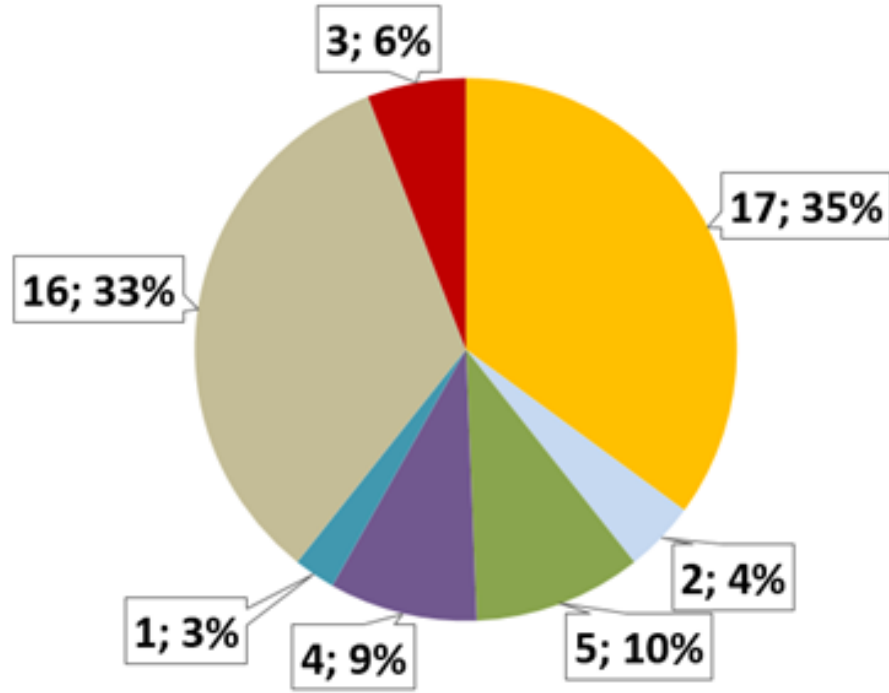
**STORY**



# ESPACE OFFICE BUILDING

PV & batterij

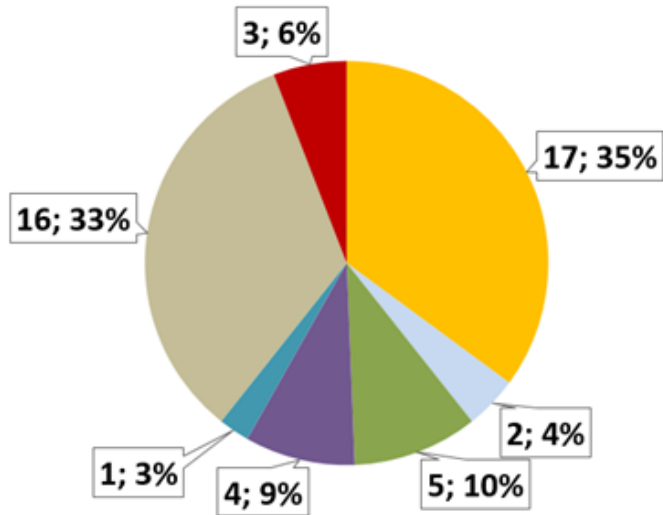
### Espace - Power consumption - kWh/m2 ; %



2016 2017 (09/16 à 08/17) : 59401 MWh  
48 kWh/m2

- Heating
- Cooling
- Air treatment.
- Lighting
- Hot water
- Others( computers, kitchen,...
- Server

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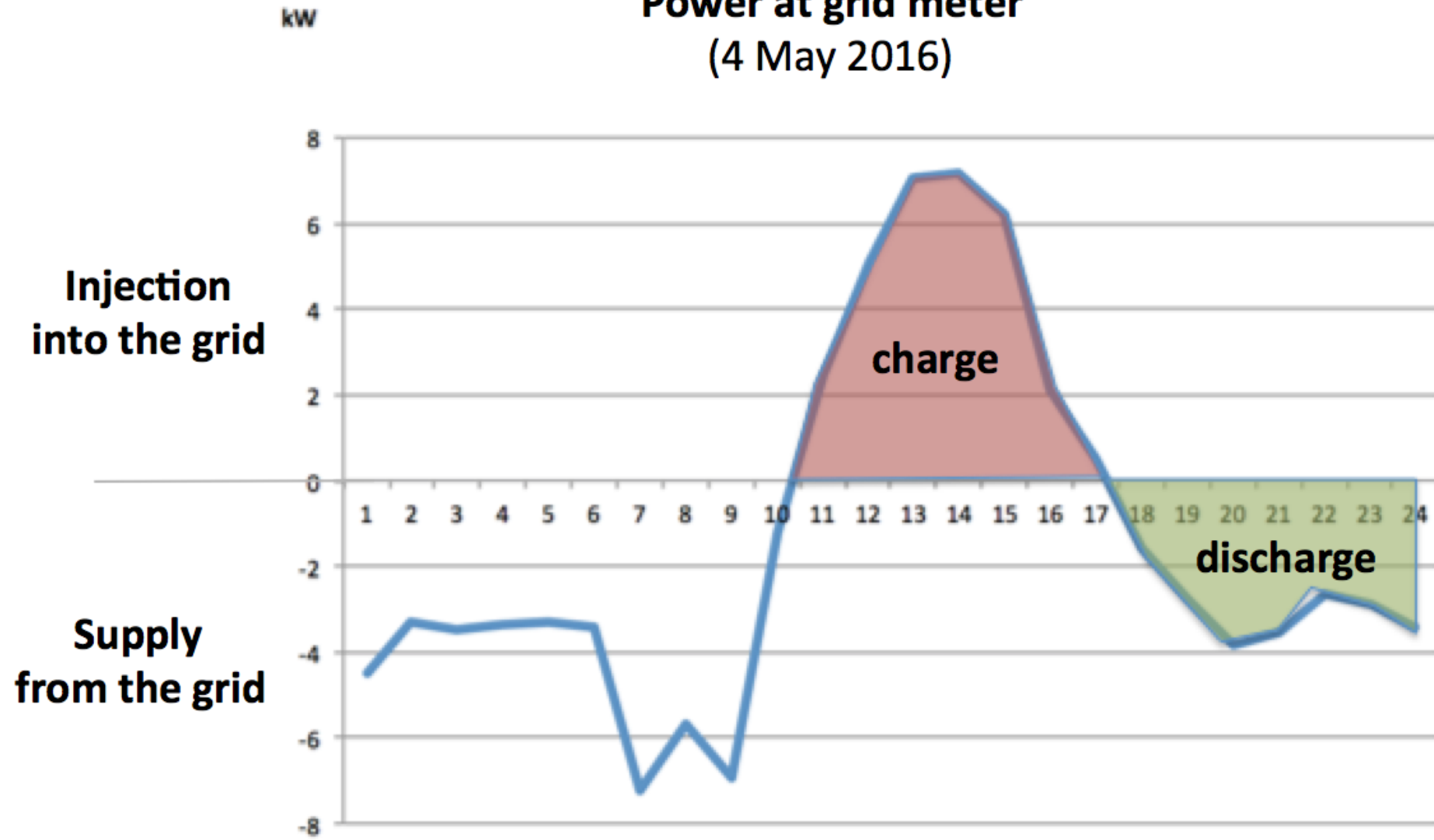
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<b>Self Consumption rate</b>	<b>Battery Capacity Required</b>	<b>Gain year#1</b>	<b>Note</b>
90%	20kWh required	2360€	Not profitable due to extra cost: battery +10k€ + specific technical area
80%	4,5 kWh Installed	2100 €	Limited Investment capacity Just profitable over 16 to 20 years

Self Consumption rate	Battery Capacity Required	Gain year#1	Note
90%	20kWh required	2360€	Not profitable due to extra cost: specific technical capacity
<b>52 034 € investering (PV+batterij)</b>			
80%			Just profitable over 16 to 20 years

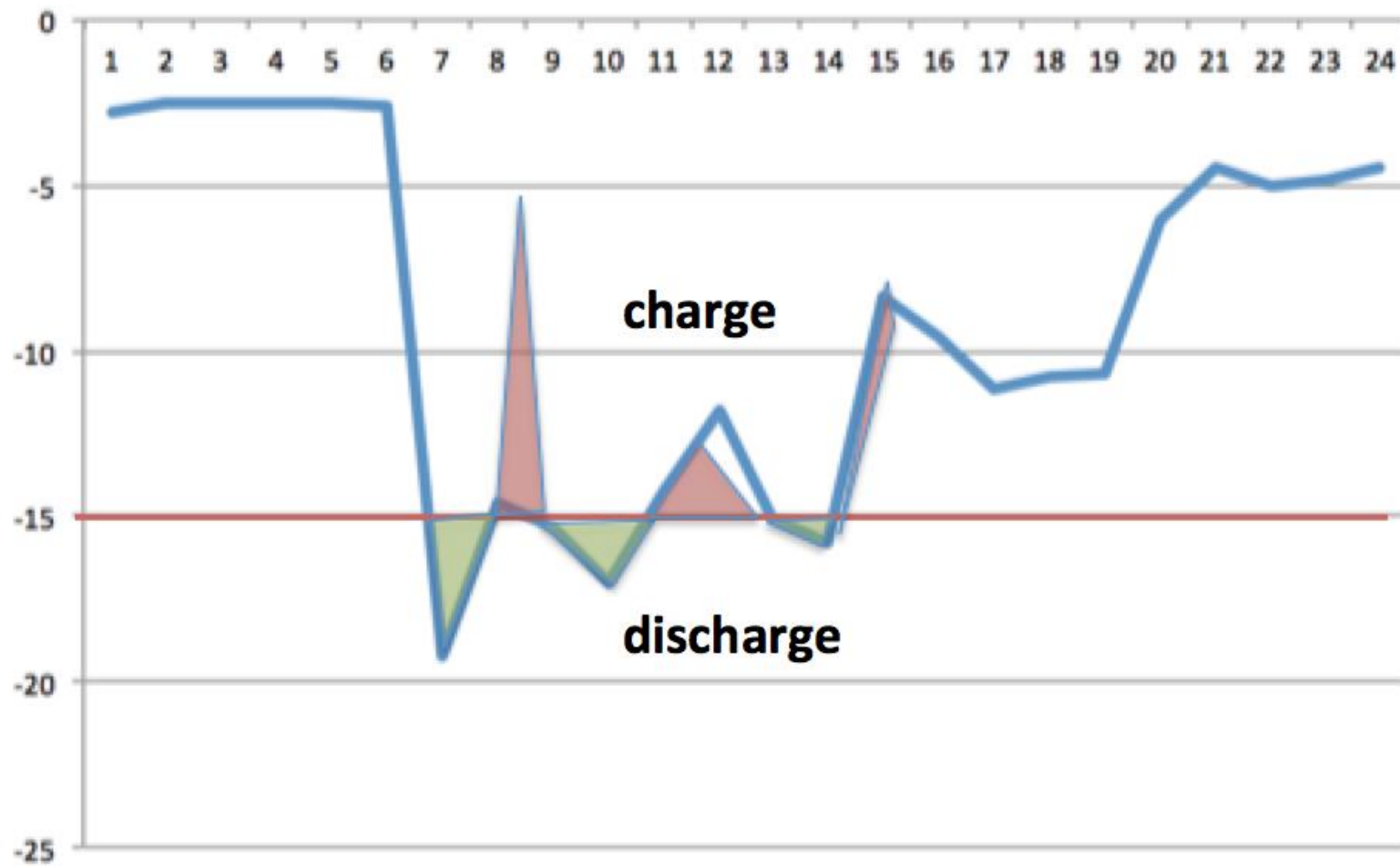
**Power at grid meter**  
(4 May 2016)



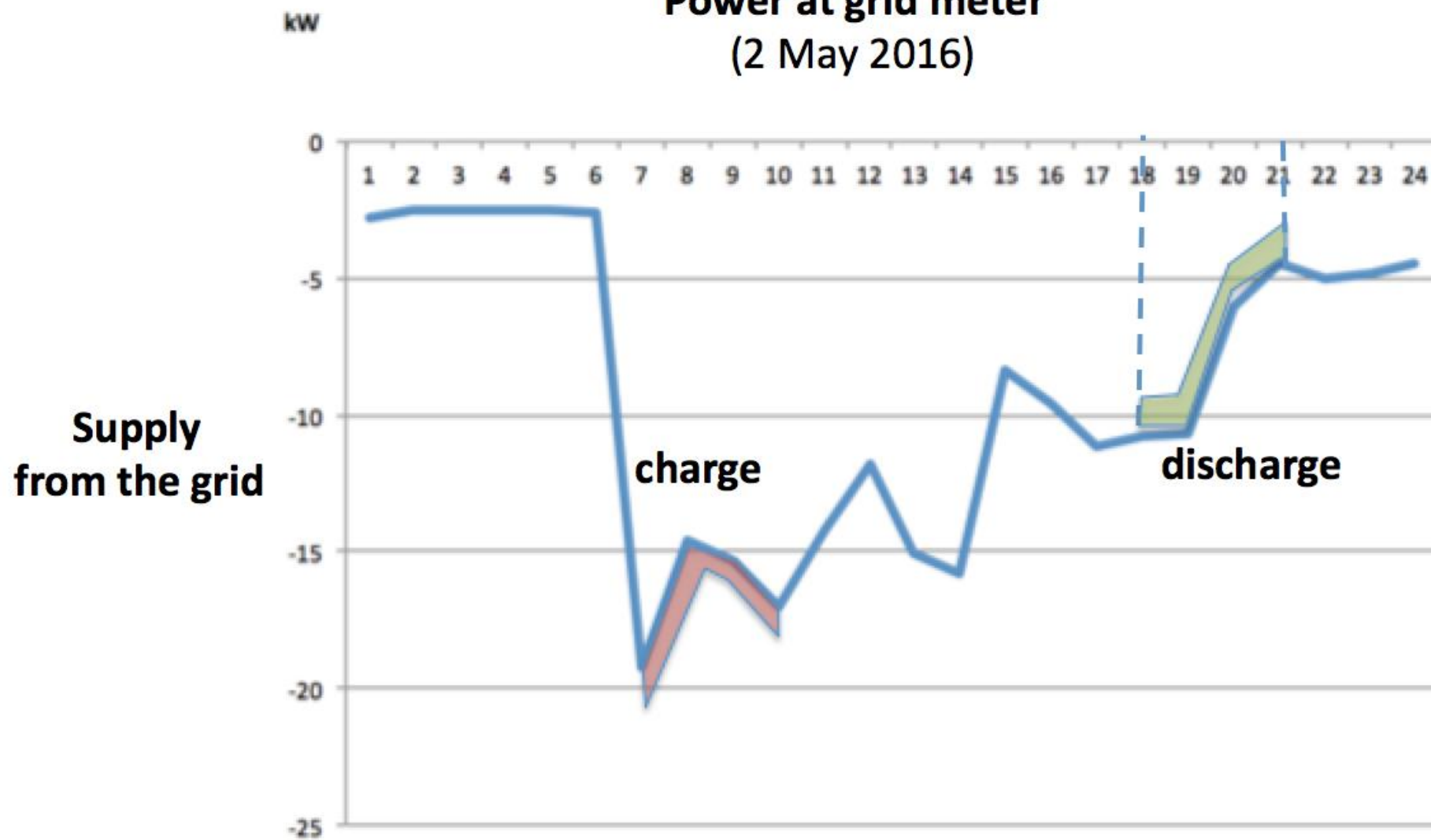


Power at grid meter  
(2 May 2016)

Supply  
from the grid



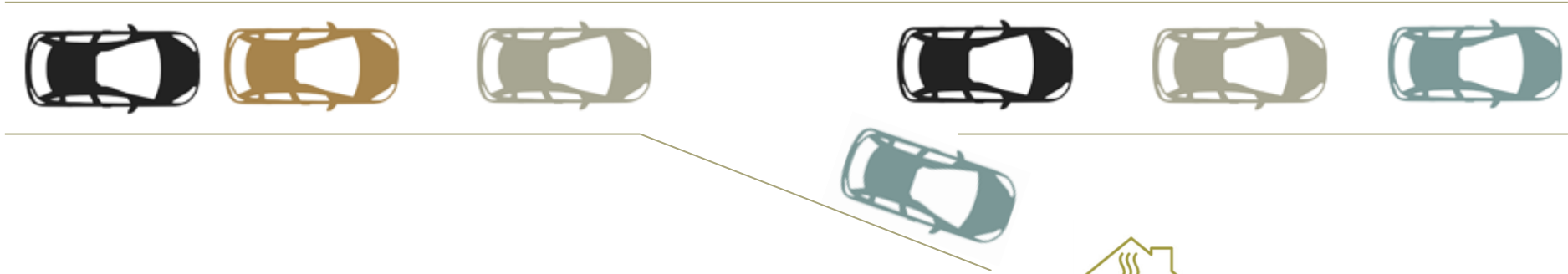
# Power at grid meter (2 May 2016)

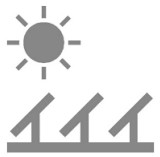
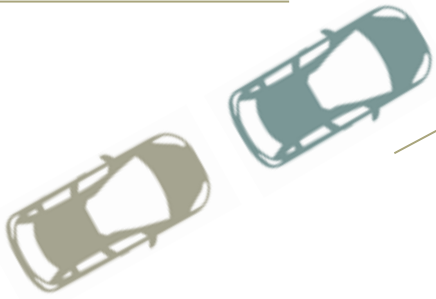


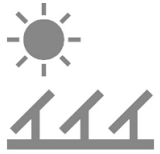
**oud-HEVERLEE**

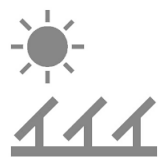
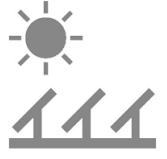
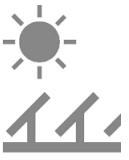
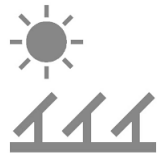
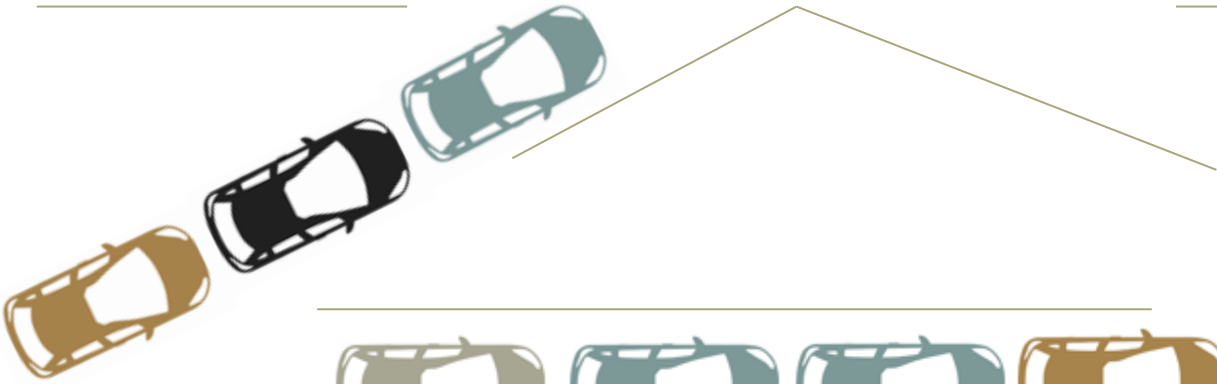
Buurtbatterij











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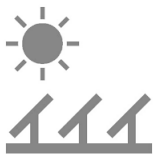
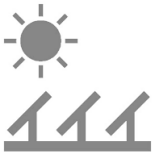
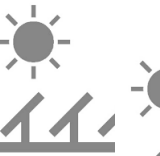
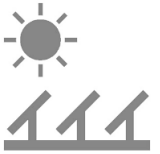
STORY

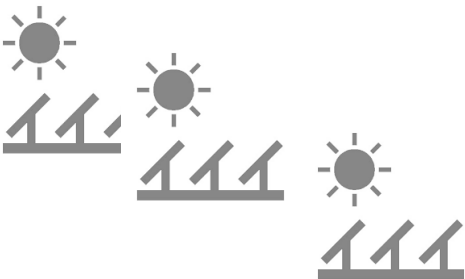
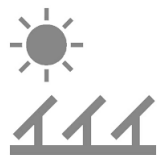
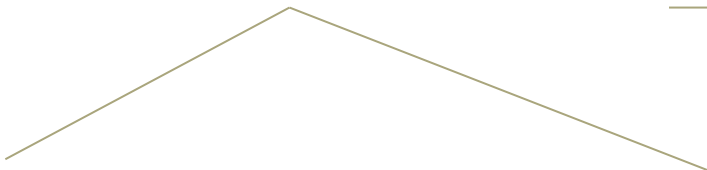


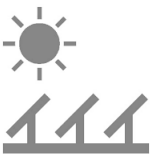
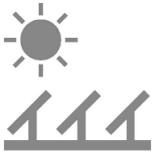
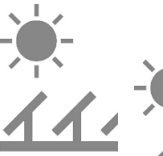
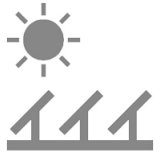
# CENTRAAL OF DECENTRAAL?



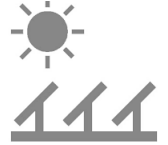
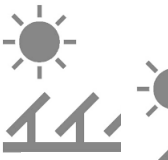
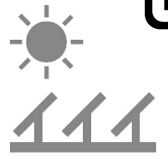






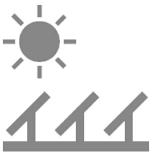
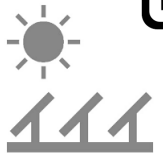






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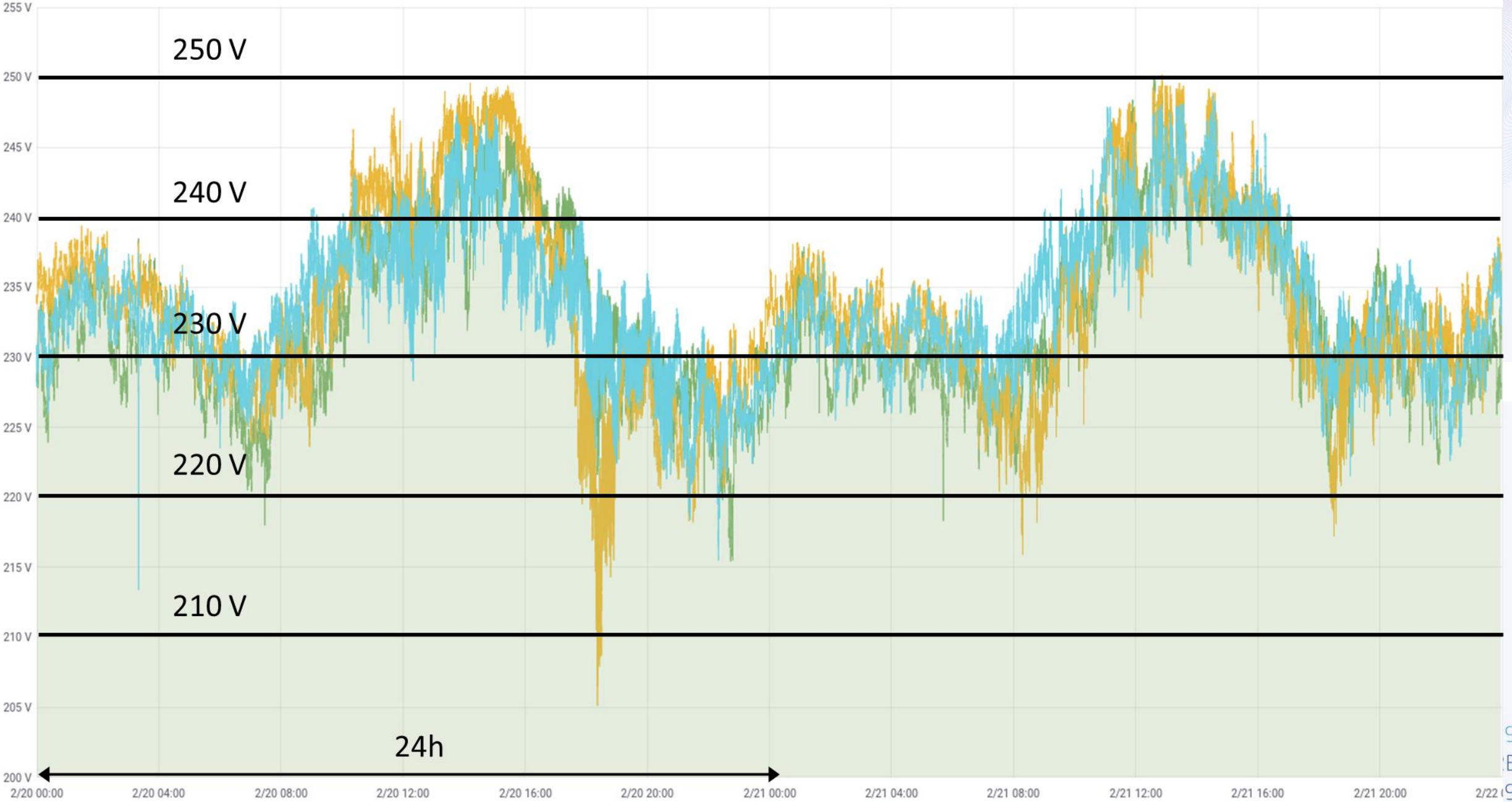
STORY







Voltage







ABB

ABB

BATTERY RM

DANGER  
NO

DANGER  
AUTHORIZED  
PERSONNEL  
ONLY

STORY  
The installation is part of a project that has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement 101019718.  
www.horizon2020-story.eu

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# V2G AMSTERDAM

Piloot











# DE BUSINESS CASE



Kritischer en meer vanuit een systeem-niveau denken.

Innoveren is koppig zijn, testen, falen en opnieuw beginnen.

Impact hebben vereist communicatie en netwerken.

# CONCLUSIES

**THINK-E**



**STORY**

