

FLEXIBILITEIT & OPLSAG

THINK-E

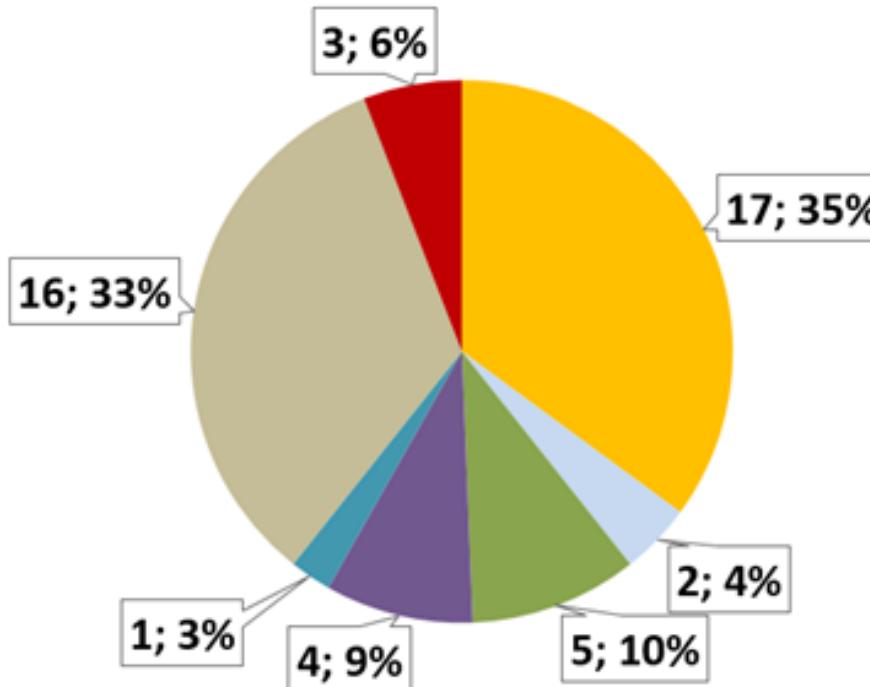




ESPACE OFFICE BUILDING

PV & batterij

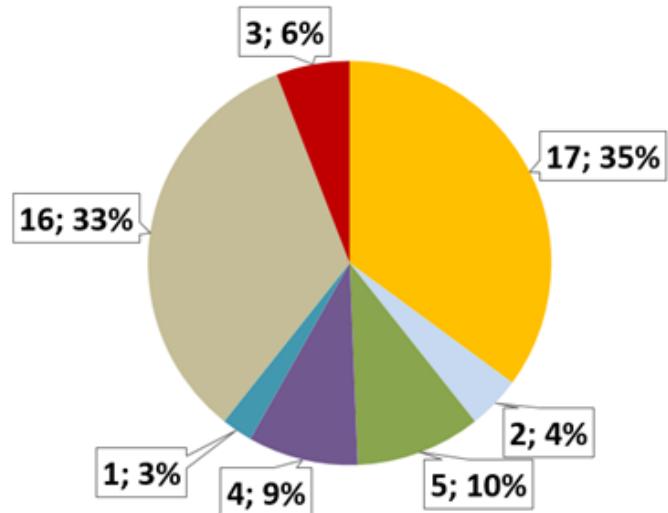
Espace - Power consumption - kWh/m² ; %



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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Self Consumption rate	Battery Capacity Required	Gain year#1	Note
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

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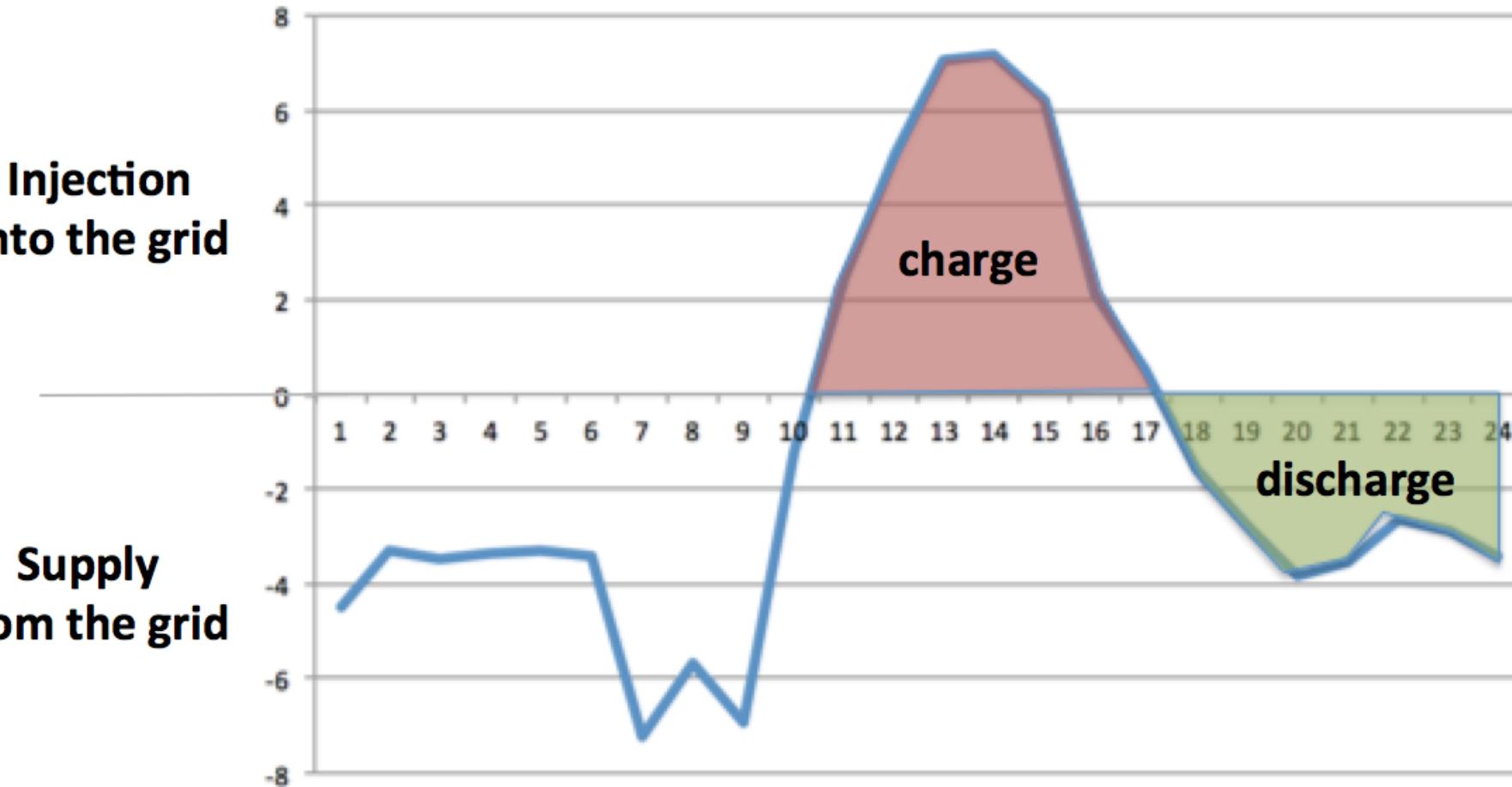
52 034 € investering (PV+batterij)

kW

Power at grid meter (4 May 2016)

**Injection
into the grid**

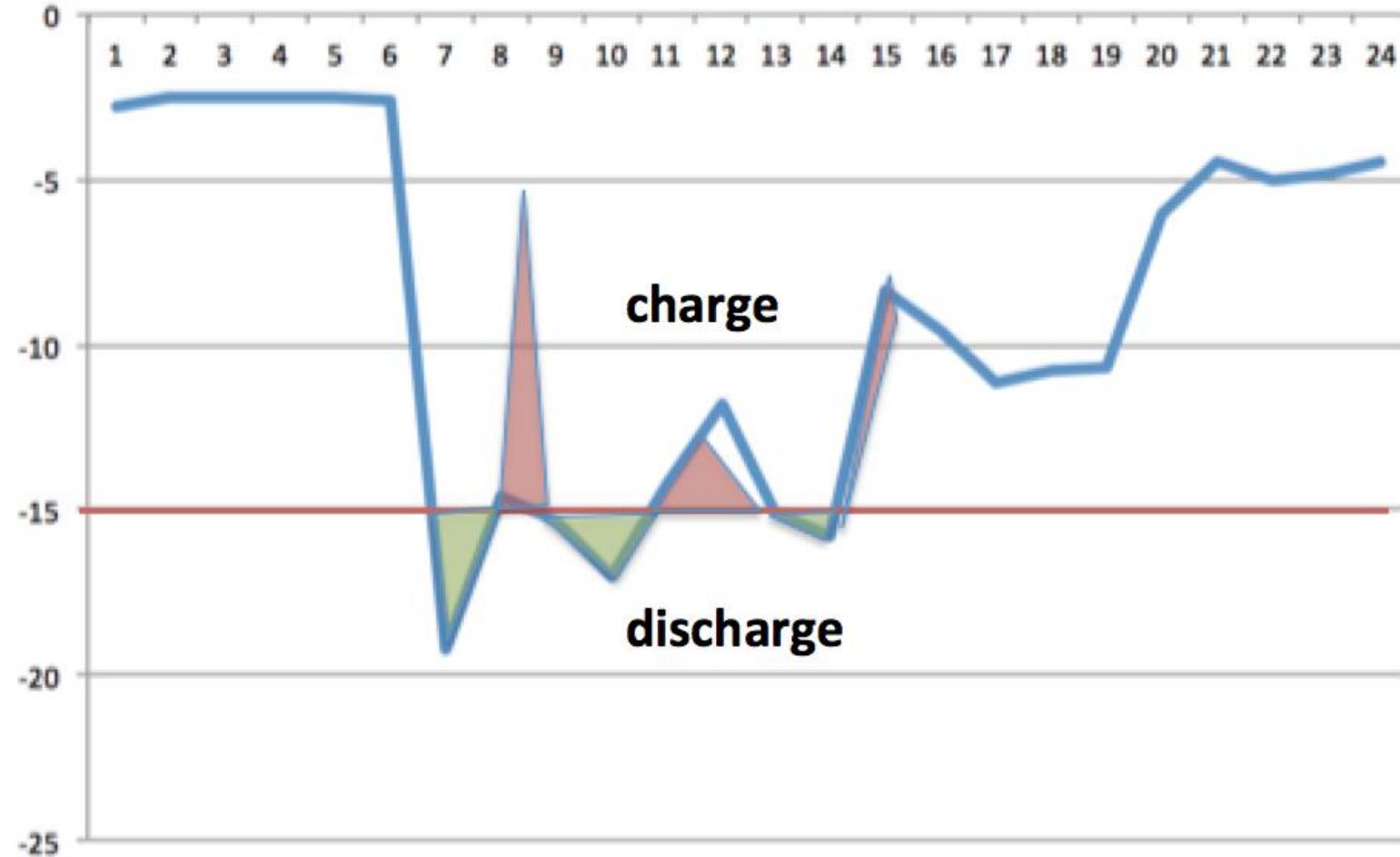
**Supply
from the grid**



kW

Power at grid meter (2 May 2016)

**Supply
from the grid**



kW

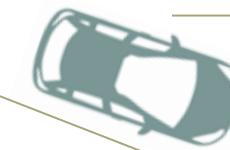
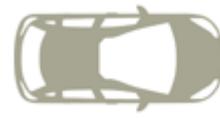
Power at grid meter (2 May 2016)

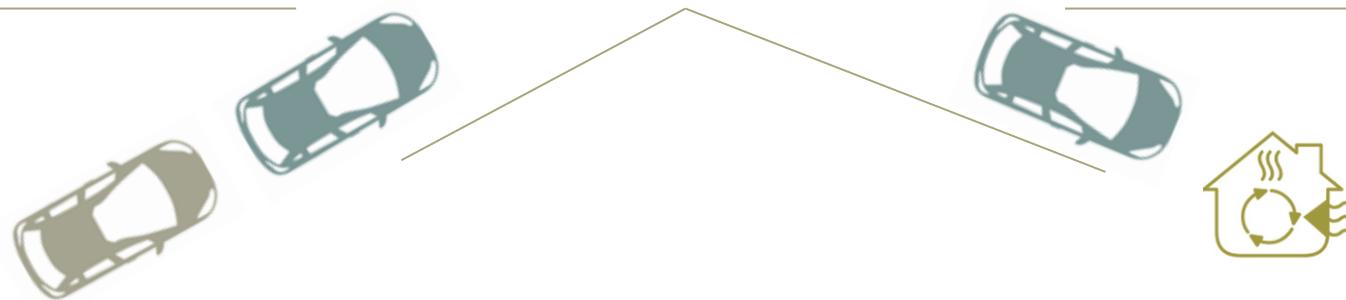
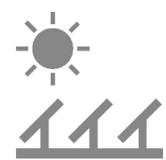


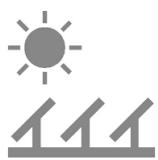
OUD-HEVERLEE

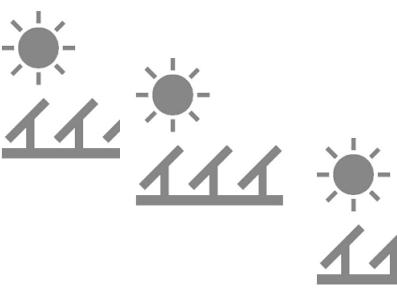
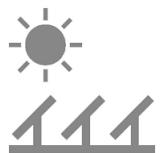
Buurtbatterij



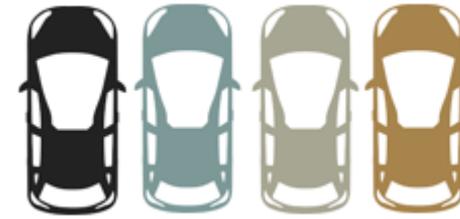




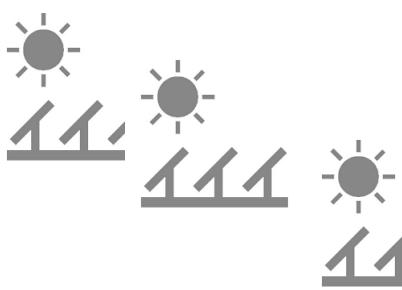
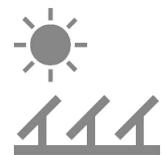
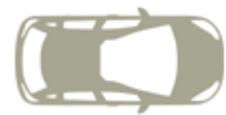
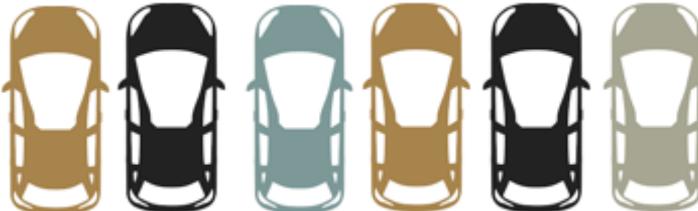


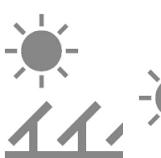
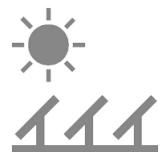


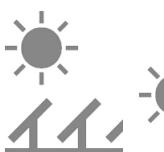
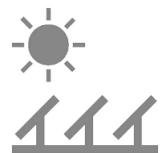
CENTRAAL OF DECENTRAAL?



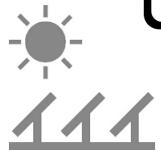






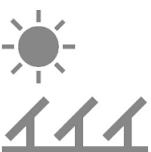
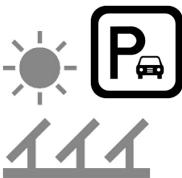
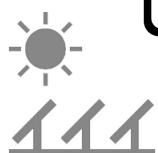






THINK-E

STORY





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Voltage

255 V

250 V

250 V

240 V

240 V

230 V

230 V

220 V

220 V

210 V

210 V

24h

200 V

2/20 00:00

2/20 04:00

2/20 08:00

2/20 12:00

2/20 16:00

2/20 20:00

2/21 00:00

2/21 04:00

2/21 08:00

2/21 12:00

2/21 16:00

2/21 20:00

2/22 00:00





V2G AMSTERDAM

Piloot



A photograph of a man in a light blue shirt and dark trousers plugging an electrical cord into the front of a dark-colored electric vehicle. The car has a yellow license plate. The background shows green trees and a modern building.

Vehicle-to-Grid

In co-operation with:

CITYzen
new urban energy





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



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Project STORY - H2020-LCE-2014-3