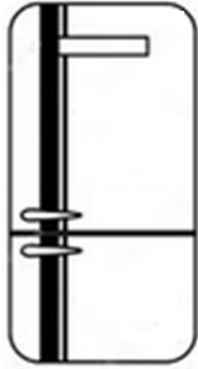
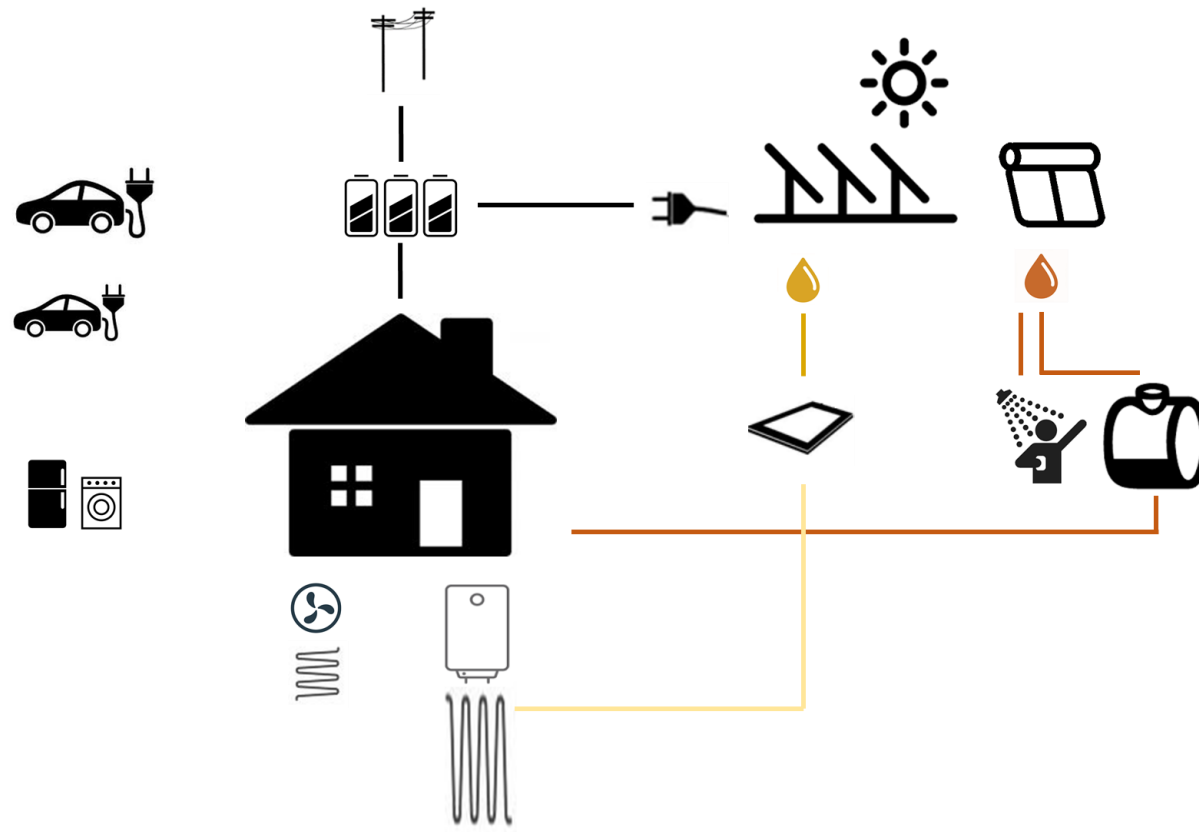


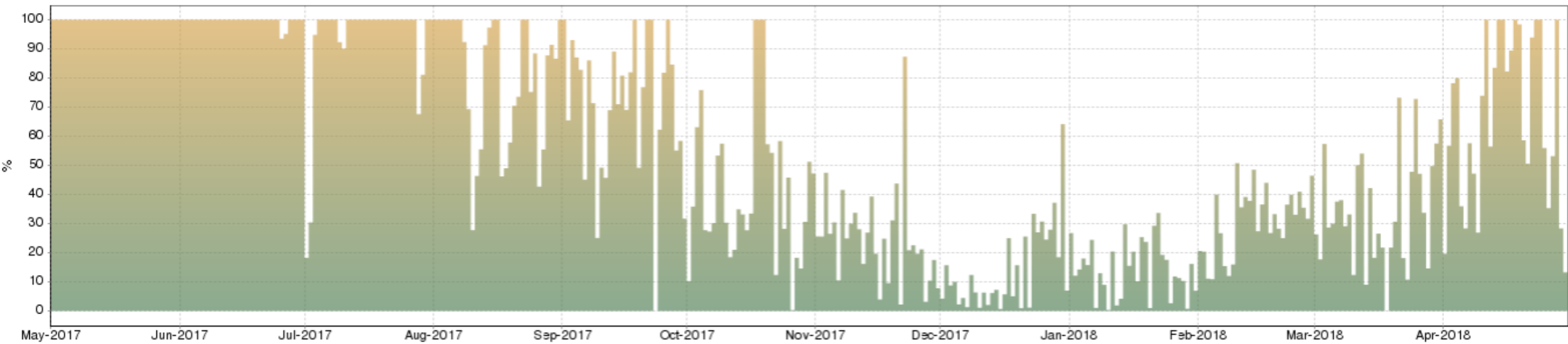
LIVING LAB: P R o D u C t i e & o p s l a g

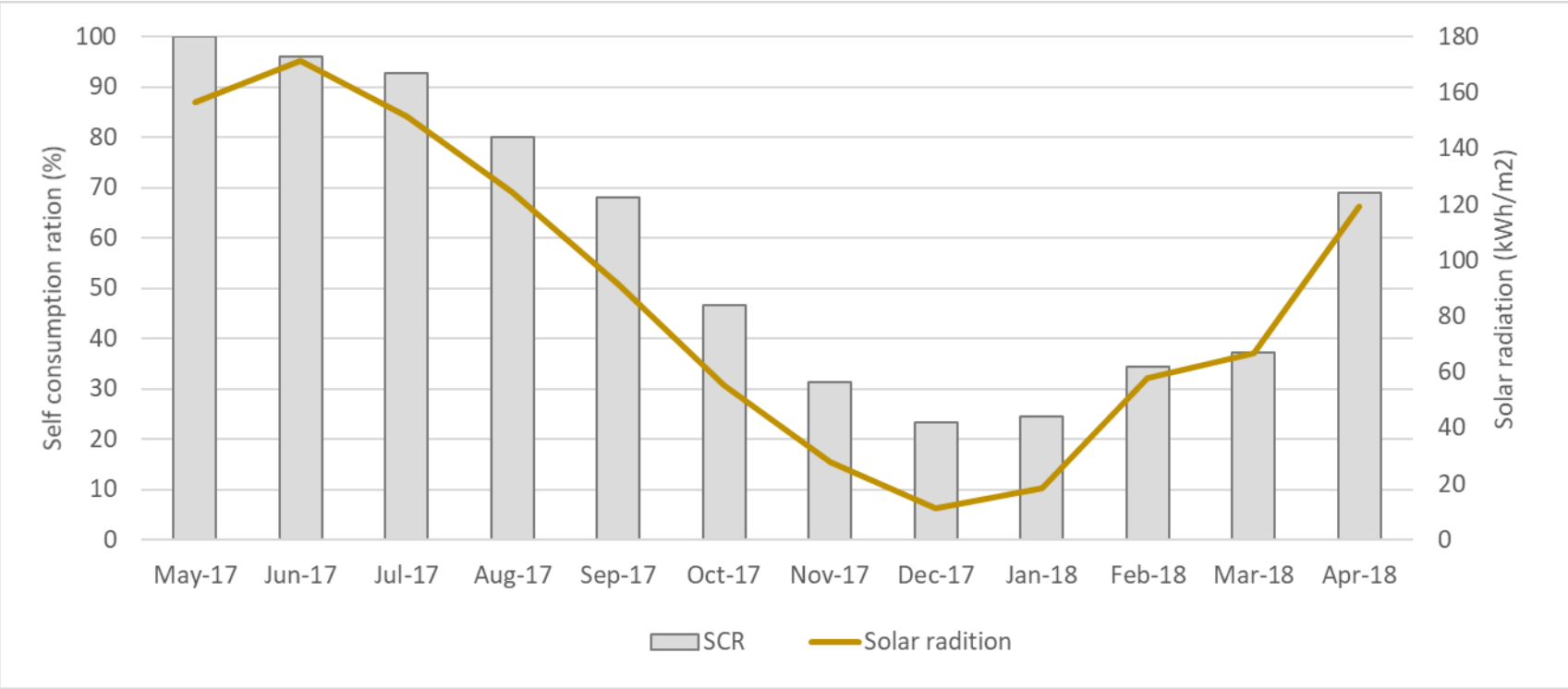


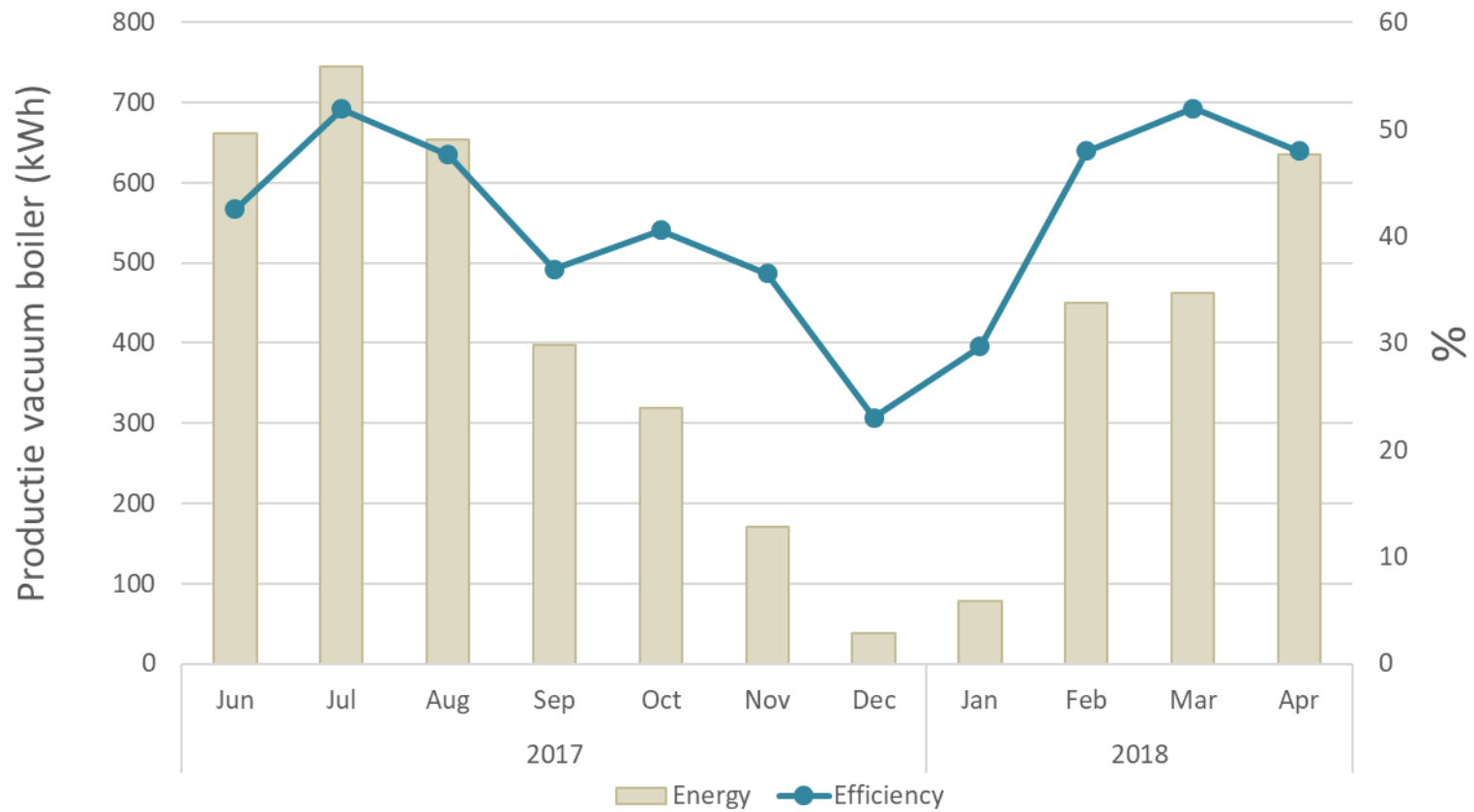


LIVING LAB









	Zonne-instraling			
ΔT_{25} (K)	>1000W/m ²	≈1000W/m ²	>800W/m ²	>600W/m ²
5	203	102	86	20
10	455	254	223	91
15	708	406	359	161
20	961	558	495	232
25	1213	710	632	302

Extra opbrengst PVT set-up (W_{ei})

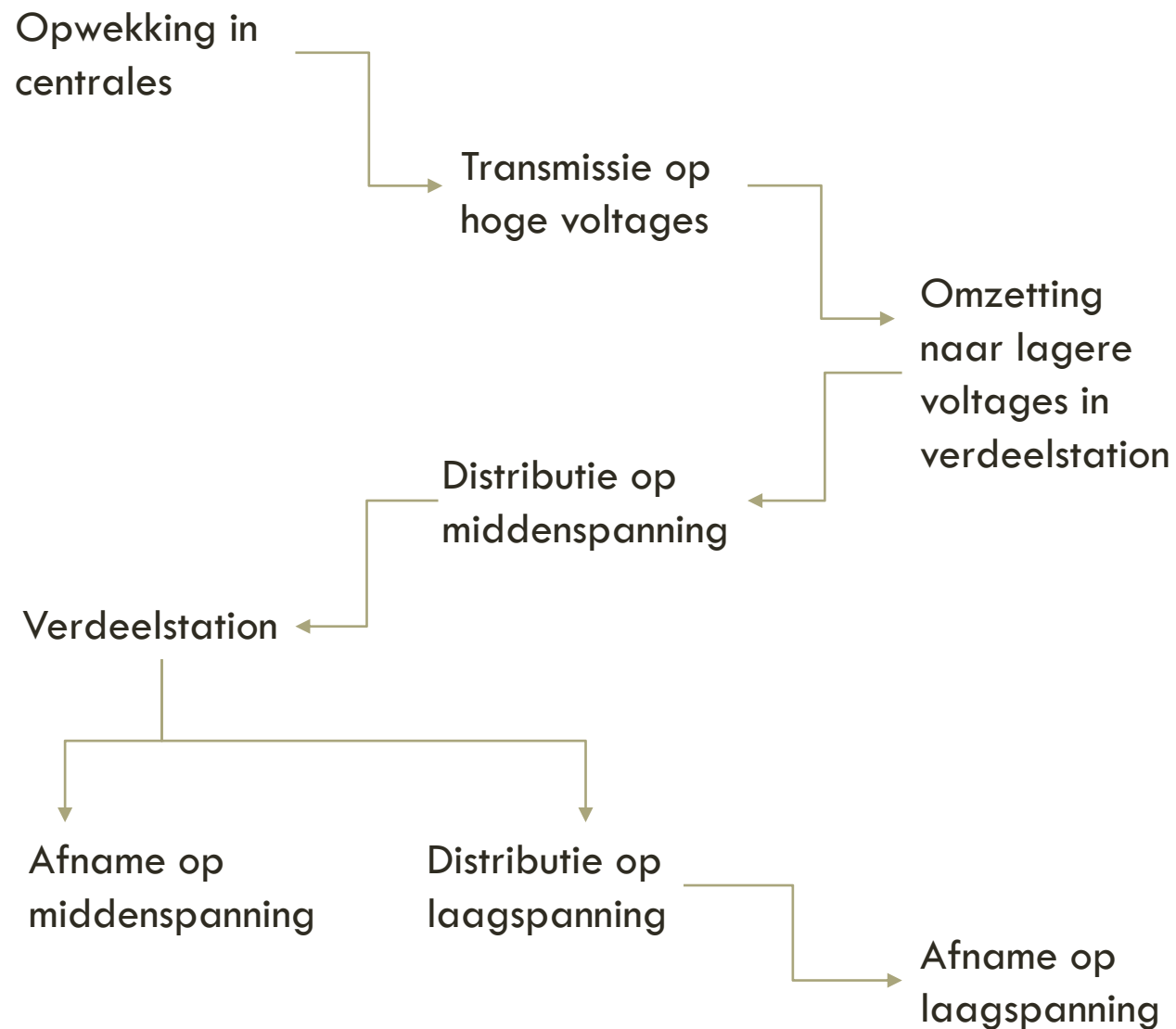
LIVInG LAB

Kan je off-grid gaan?

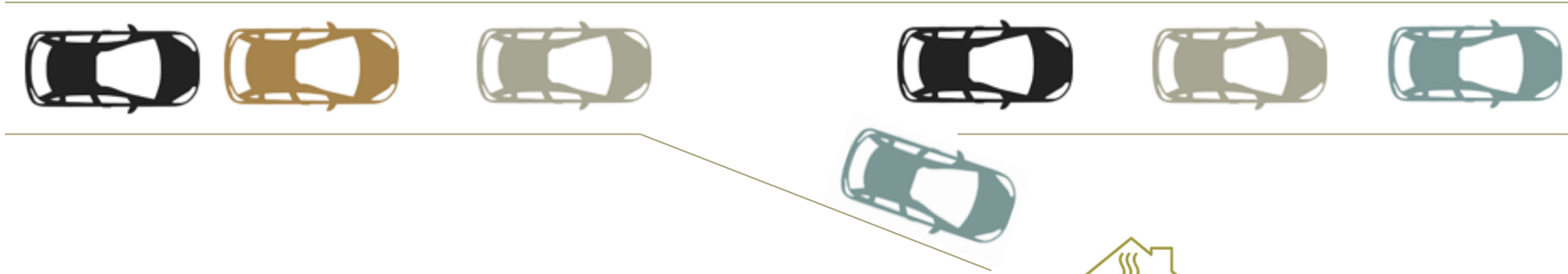
→ Mobiliteit is de dooddoener

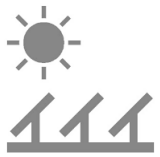
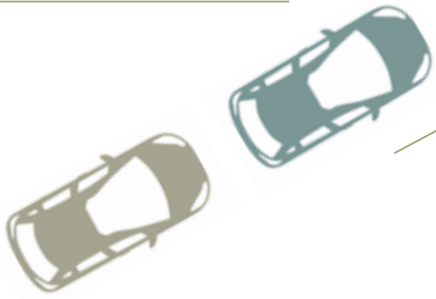
Is dat de meest duurzame aanpak?

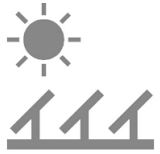
HET ELEKTRICITEITS- SYSTEEM

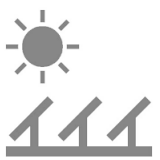
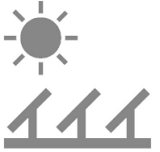
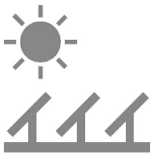
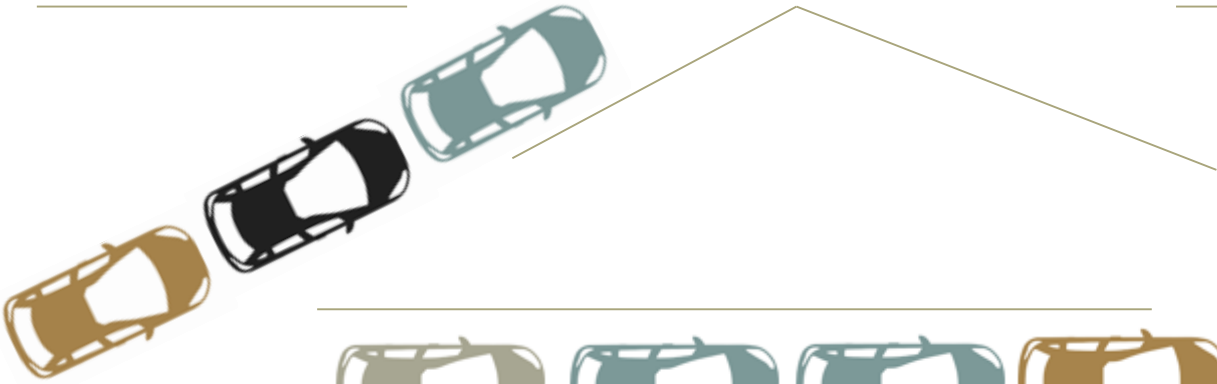












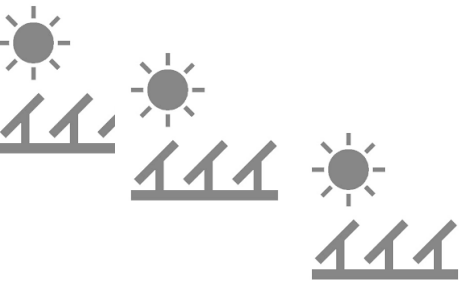
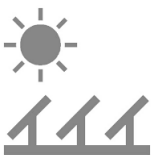
THINK-E

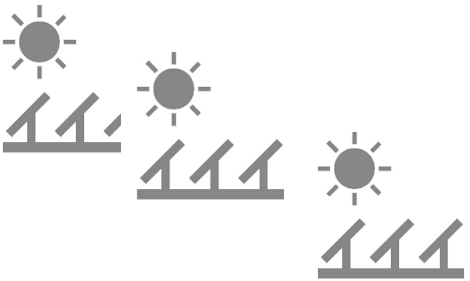
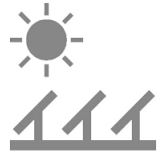
STORY

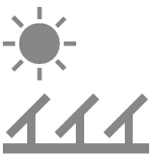
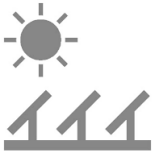
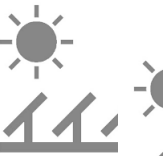
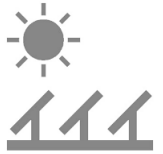
CEnTrAaL Of DECeNtRaAI?



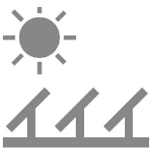
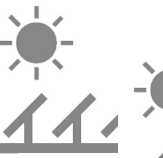
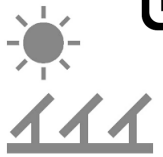






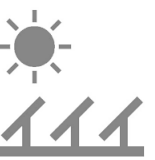
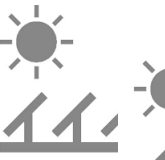
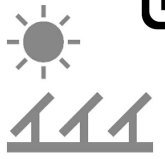
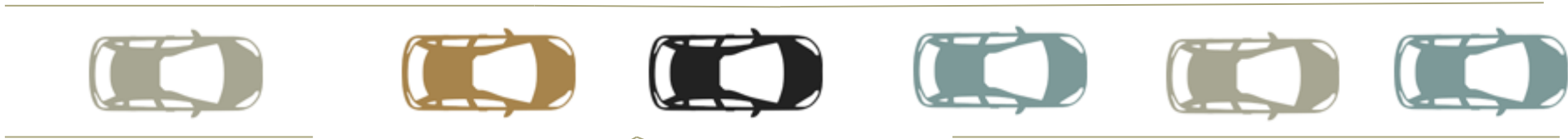






THINK-E

STORY



THINK-E

STORY



DIGITALE METER

“In een advies van oktober 2018 en ook hieronder in de Veelgestelde vragen lichten we toe waarom we niet achter het compensatiemechanisme staan, het ‘terugdraaien van de teller’ (het huidige systeem met het prosumementarief). Met het systeem van de terugdraaiende teller worden eigenaars van zonnepanelen onvoldoende aangemoedigd om efficiënt met het net en hun energieverbruik om te gaan.”, VREG

DATA EN connectiviteit



SENsOrEn En GeCoNnEcTeErDe ToEstellen

10 pumps

9 flow meters

24 valves

55 temperature sensors

Current and power of 8 circuits

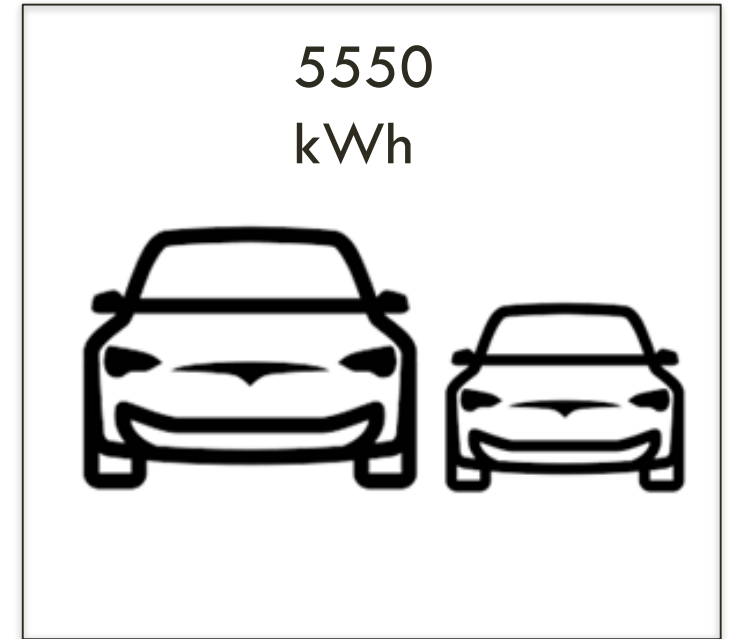
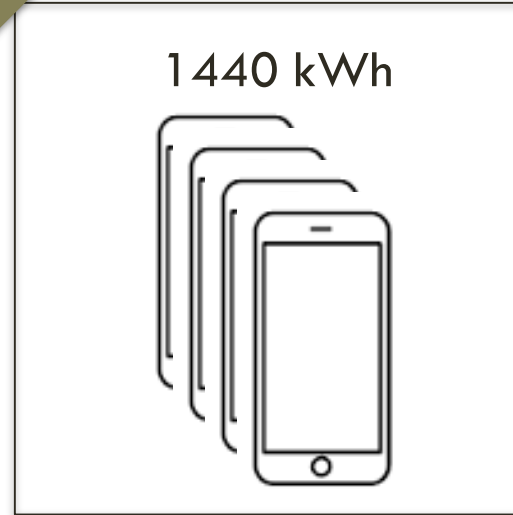
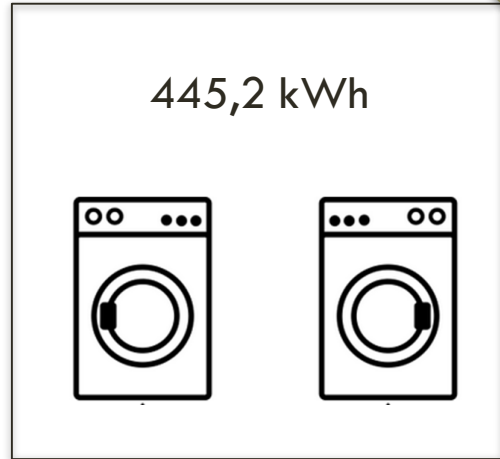
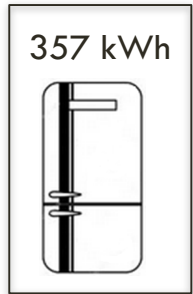
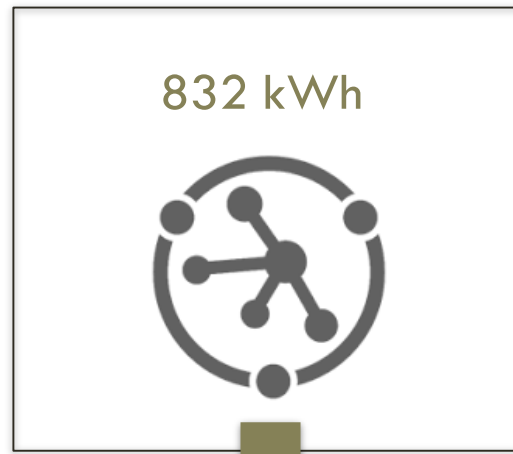
Voltage and power quality on 2 points

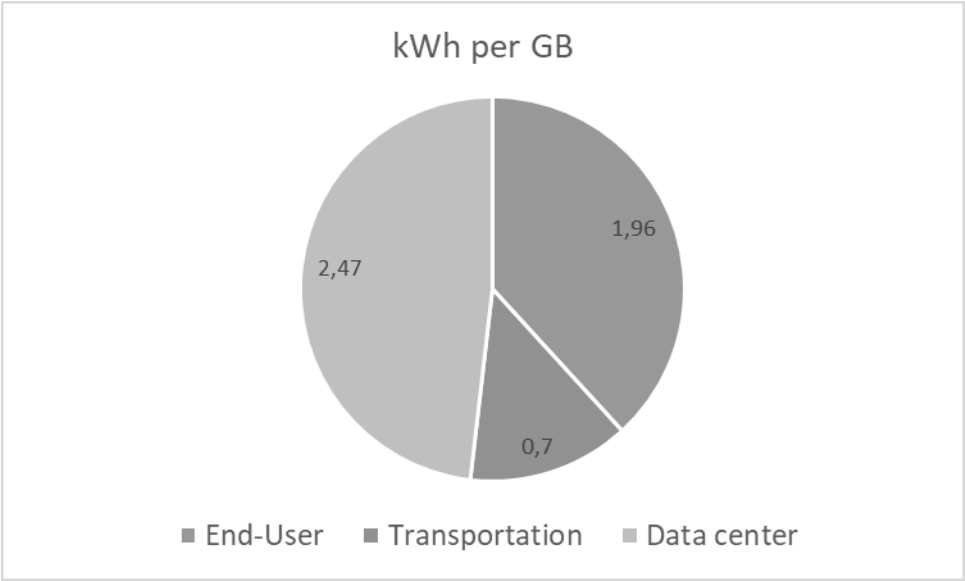
Indoor air quality in 14 zones

Outdoor conditions

Operational data of ventilation system, heat pump, batteries, ...

365





Effectief momentaan nulbalans halen vereist veel technologie, materialen en middelen.

Kritischer en meer vanuit een systeem-niveau denken.

Je moet ook lokaal slim zijn en niet alle intelligentie (en data) centraliseren

Innoveren is koppig zijn.

Impact hebben vereist communicatie en netwerken.

CONcLuSiEs

