



Energy storage: viable solution for neighbourhoods of Eindhoven?

May 17th 2018 - Energy Congress – Evoluon, Eindhoven



Agenda

Introduction

Trends

Storage & Residential business cases

Rules of the game!



Introduction



Davide Garufi
Energy efficiency in Buildings
Business models



Eryk Masiak
Distributed Energy Systems
Zero Energy Communities

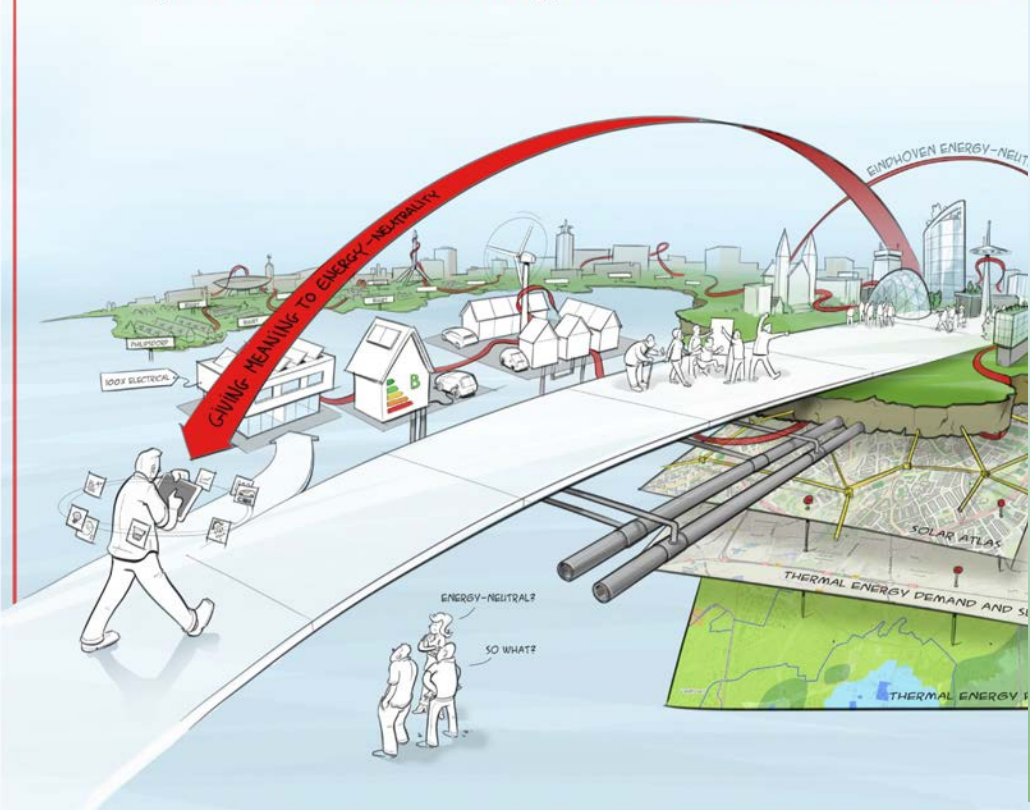


ThermoVault

Operating the largest decentralized storage system
in the world

Trends

Together towards Eindhoven energy-neutral in the built environment in 20



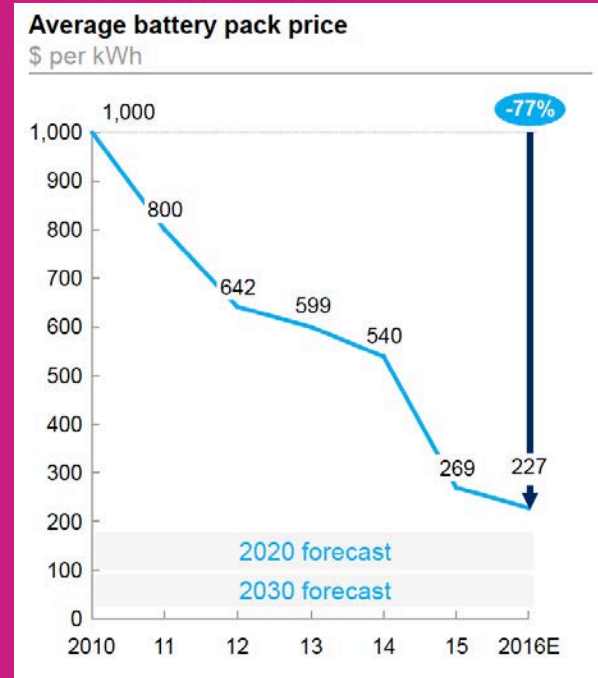
Ministerie van Economische Zaken

Energieagenda

Naar een CO₂-arme energievoorziening



Storage & Residential business cases



Source: McKinsey&Co, Electrifying insights: How automakers can drive electrified vehicle sales and profitability

Storage & Residential business cases



- Peak shaving



- Eneco
Crowdnett

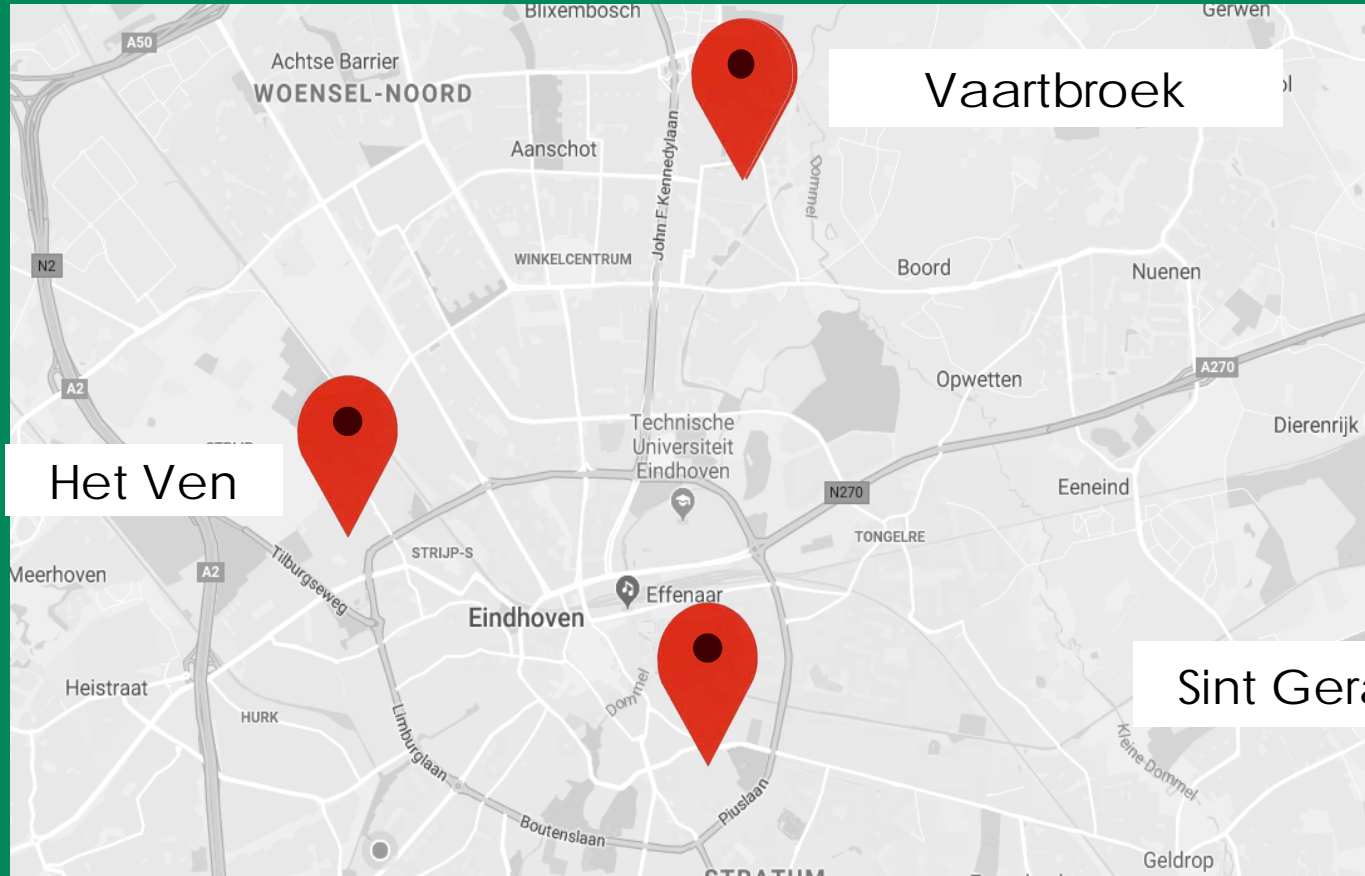


- Sonnen
Community

Younicos

- Rental

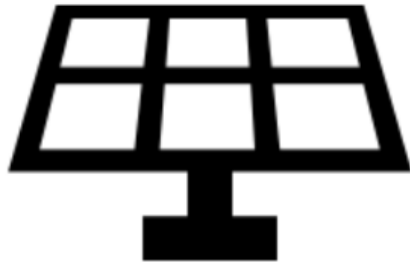
Tender Challenge



T- CARDS

PV SYSTEM

10 PANELS, 2.5 KW



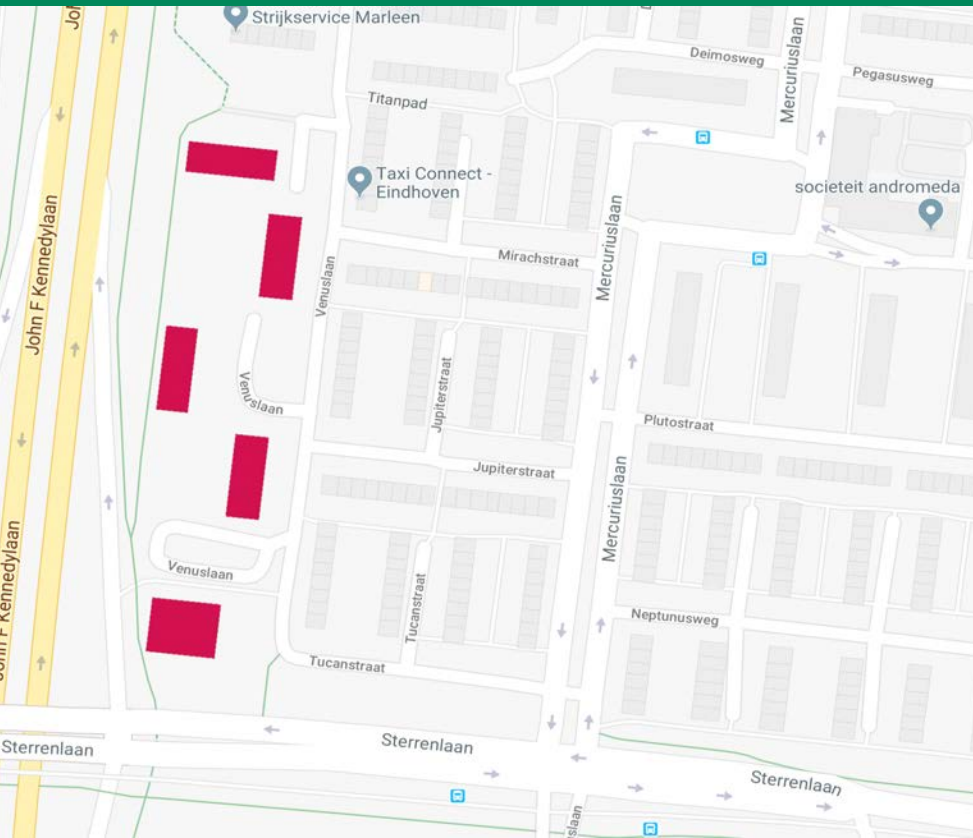
FEATURES:

- POWER	5 KW
- CAPACITY	10 KWH
- SELF-CONSUMED ELECTRICITY	+30% , ONLY WHEN USED WITH PV SYSTEM
COST:	€5,000/UNIT

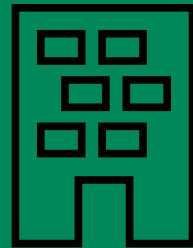
Tender Challenge



Tender 1: Association of owners (VvE) in Vaartbroek



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Goal: CO2 & Energy Neutral

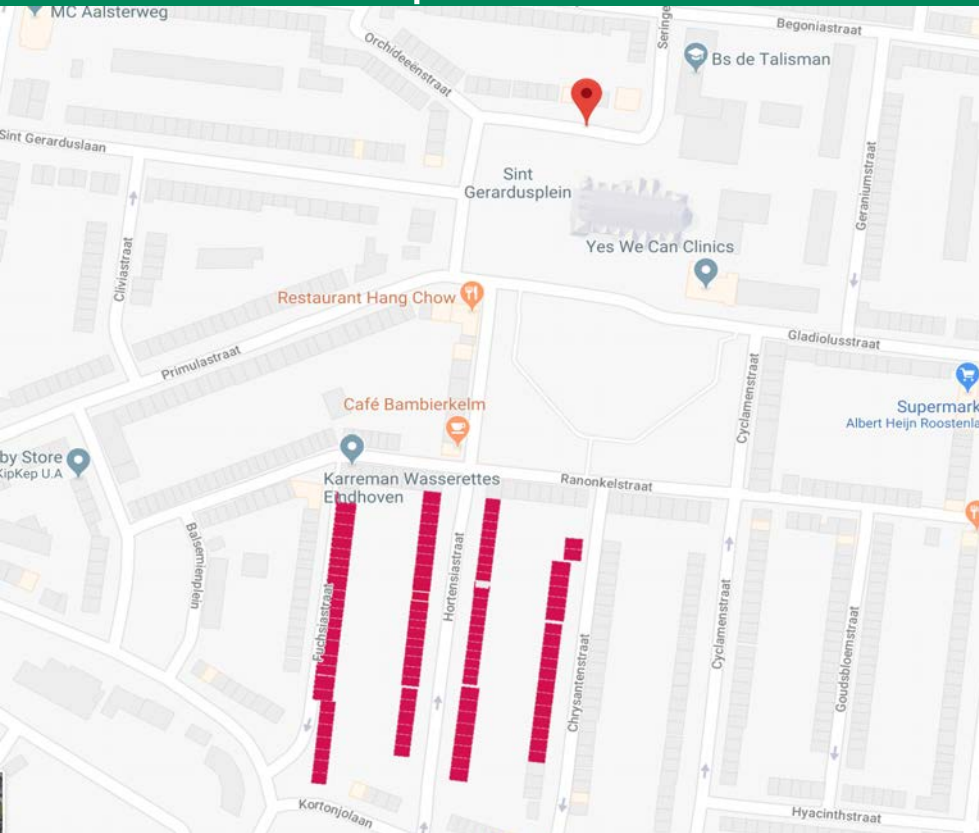
Focus areas

Gas neutral

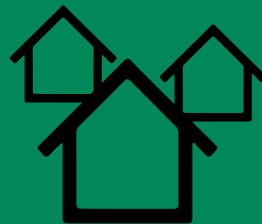
Communication with residents

Low energy costs common areas

Tender Case 2: Social housing company in St Gerardusplein



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Goal: CO2 & Energy Neutral

Focus areas

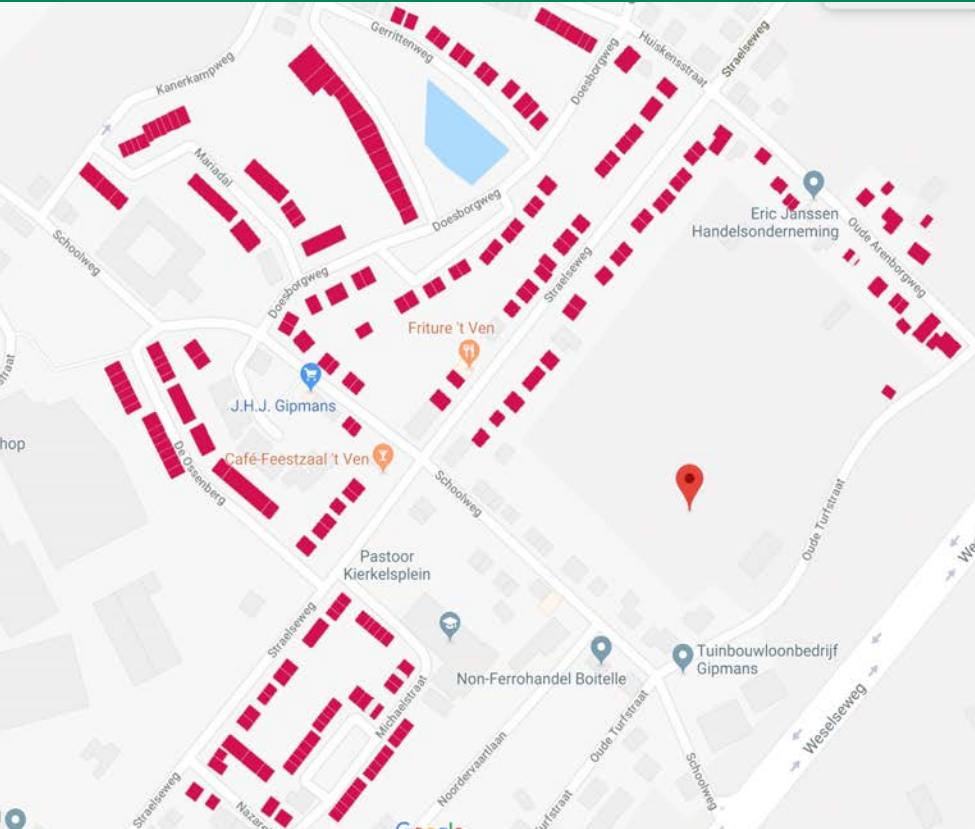
Energy lable

Gas neutrality

Communication with tenants

Total energy costs at community level

Tender Case 3: Local Energy cooperative in Het Ven



Goal: Independent energy system

Focus areas
100% energy independence
Gas neutrality



Form groups of 4 – 6 members



Choose one of the 3 tenders



45 minutes Offers by combining the T - Cards



Draw your Pitch

Pitch : 3 minutes per Group

Evaluation Committee will be formed

WIN!



Thank you!

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