



COMMUNITY ENERGY IN MECHELEN

MECHELEN



INTRODUCING... MECHELEN

- Population of 87.000 citizens (5th city in Flanders)
- High climate ambitions: SECAP 'Klimaatactieplan Mechelen'
 - 87 ktCO₂ reduction by 2025
 - -40% CO₂ reduction by 2030
- Covenant of Mayors signatory since 2012
- Green Leaf Award winner 2020
- Member of the Board of Covenant of Mayors in 2021
- Selected for Intelligent Cities Challenge and EU City Facility
- Partner in multiple EU projects on climate mitigation and climate adaptation
- Submitted application for Net Zero Cities call for pilot cities



INTRODUCING... KLIMAAN





INTRODUCING... KLIMAAN

- Klimaan = **one family**, two organisations
 - 230 volunteers of citizen community Klimaan vzw
 - 1000+ shareholders of energy cooperative Klimaan cvso (member of RESCOOP.EU)
- Klimaan mobilises citizens for a sustainable society. They operate on four themes: **water, air, soil and energy**
- Activities range from raising awareness and positive actions to sustainable investments in renewable energy.
- Location: Mechelen and surrounding region (Bonheiden, Sint-Katelijne waver, Zemst,... in Flanders (Belgium)
 - <https://klimaan.be/>
 - <https://coop.klimaan.be/>



COOPERATIVE SOLAR

- Zonnewijzer and Zonnewijzer.biz
 - Technical assistance and installation of rooftop PV for households and businesses
 - Eg. More than 750 advices and 250 installations in Mechelen since 2020
- (Solar) Energy Service Company (ESCO)
 - Installation of rooftop PV via third party investments and direct citizen participation
 - Eg. School Colomaplus in Mechelen (650#) and social housing Otterbeek (729#)



E-MOBILITY AND CAR SHARING

- Car sharing of electric vehicles
- Car fleet in Mechelen: 3#
- Available for shareholders of Klimaan or Ecopower (min. 3 shares)
- Partnership with Coopstroom
- Klimaan is member of CEDAN (network of cooperative car sharing providers)
- More information:
www.delenisvooriedereen.be





**OUR
COOPERATION
ILLUSTRATED**

- Energy community
Otterbeek
- Mobility community
Nekkerspoel
- LIFE TANDEMS

ENERGY COMMUNITY OTTERBEEK

BEFORE



- Pilot project on energy sharing
- Energy community in social housing: 70 homes and 15 appartements
- Objectives:
 - PV on all roofs (maximise rooftop potential)
 - Affordable and clean energy for social housing tenants
 - Energy sharing in community (benefit even without PV on your rooftop)
 - Living lab

ENERGY COMMUNITY OTTERBEEK

AFTER



Type project	Zonnepanelen, merk: Jinko Solar
Aantal zonnepanelen	730 panelen
Vermogen omvormer	3 – 5 kVA (70 stuks)
Geïnstalleerd vermogen	288 kWp
Verwachte jaarlijkse productie	262 000 kWh/jaar
CO ₂ -besparing	55 ton/jaar
Totale investering	250 000 EUR
Bouwjaar/ingebruikname	2022

DELENDE BUURTEN NEKKERSPOEL





DELENDE BUURTEN NEKKERSPOEL

- Neighbourhood 'Nekkerspoel'
- Challenge: *'Can you leave your car for 60 days?'*
- Guidance by autodelen.net and Klimaan to use alternatives
 - Sharing mobility: bikes, vehicles, electric vehicles (Klimaan car-fleet)
 - Public transport
- Role Klimaan
 - Mobilisation of households in the neighbourhood (Klimaan vzw)
 - 2 electric sharing vehicles
- 21 households participated (80% satisfied with the experiment)



TANDEMS project

Cooperation between local governments and energy cooperatives as vehicles ('TANDEM') for a just and accelerated transition, including citizens in every step

- Energy communities can help citizens to invest in renewables and energy efficiency
- Local governments are uniquely well-placed to support community energy projects

Quick facts:

- 23 citizen-led initiatives on **energy and mobility sharing, collective renovations and collective heating facilities**
- Estimated impact: **10,15 GWh/year RES**
- Investments in RE: **7,9 million euro by 2025**
- Budget: **1,8 million EUR (subsidy 95%)**
- Duration: 2022 – 2025; partnership: 11 partners from 4 countries (BE, NL, BG, A)



FUTURE COLLABORATIONS?

Joint submission Mechelen and Klimaan with local partners

NET ZERO CITIES

EU MISSION PLATFORM | CLIMATE NEUTRAL AND SMART CITIES



EU CITIES MISSION Call for Pilot Cities

Extended Deadline: **17 November, 12:00 CET**

THANK YOU

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