

Carbon Neutral Districts

- Energy Supply Cooperative -

Lucienne Krosse, 8th October 2019, Santiago de Compostella

Who we are www.innoenergy.com



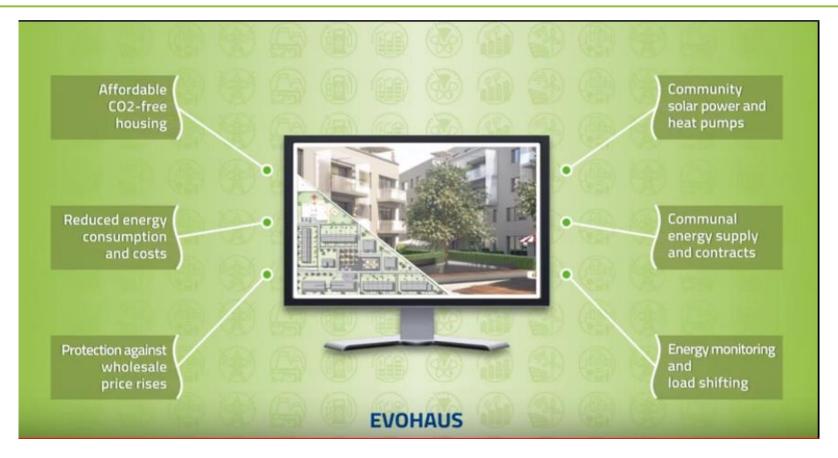


The specialist in CO2 neutral districts: from planning up to realisation

Affordable housing is the next big challenge. More than ever, we need state-of-the-art residential areas with new building materials, intelligent, self-learning energy management systems (EMS), integrated mobility concepts, CO2-free and affordable - even for middle and lower incomes.



5



CO2 neutral district

- ✓ Detailed monitoring
- ✓ Optimisation and load shifting
- ✓ Control
- ✓ User feedback and interaction
- ✓ Predictive maintenance
- ✓ Billing

- ✓ Off-the-shelf hardware
- ✓ Engaged prosumers!







Hilden

- Turn key development
- 72 apartments
- Downtown development
- Geothermie, PV, HP
- Operational since 2017



Cologne Widdersdorf

- Turn key development
- 90 apartments
- 11.500 m2
- Nearly passiv haus
- PV, HP, Q-stor, EMS
- District acts as active consumer
- Operational since 2016



Mannheim - Hochwald

- Software license
- 350 apartments (1st phase)
- 500 apartments (2nd phase)
- Nearly zero energy buildings
- Operational since 2018

Install base in Germany: ca. 1000 dwellings/apartments

New district

- ✓ Focus lower and middle incomes
- ✓ Guaranteed 100% CO2 reduction
- ✓ Yearly energy bill reduced from ca. €1700,- to €400,-

Renovation existing districts

✓ Due to 20 years experience, guarantees possible up to 80% CO2 reduction.





Lucienne Krosse

Lucienne.Krosse@InnoEnergy.com

+31 6 11 47 91 27

Rob Frusch

r.frusch@co2neutralesoftware.ch

+31 6 23 96 57 80

Heinz Hanen

info@evohaus-irq.com

+49 72 11 83 89 110



www.innoenergy.com



