

Consortium Inside Out



















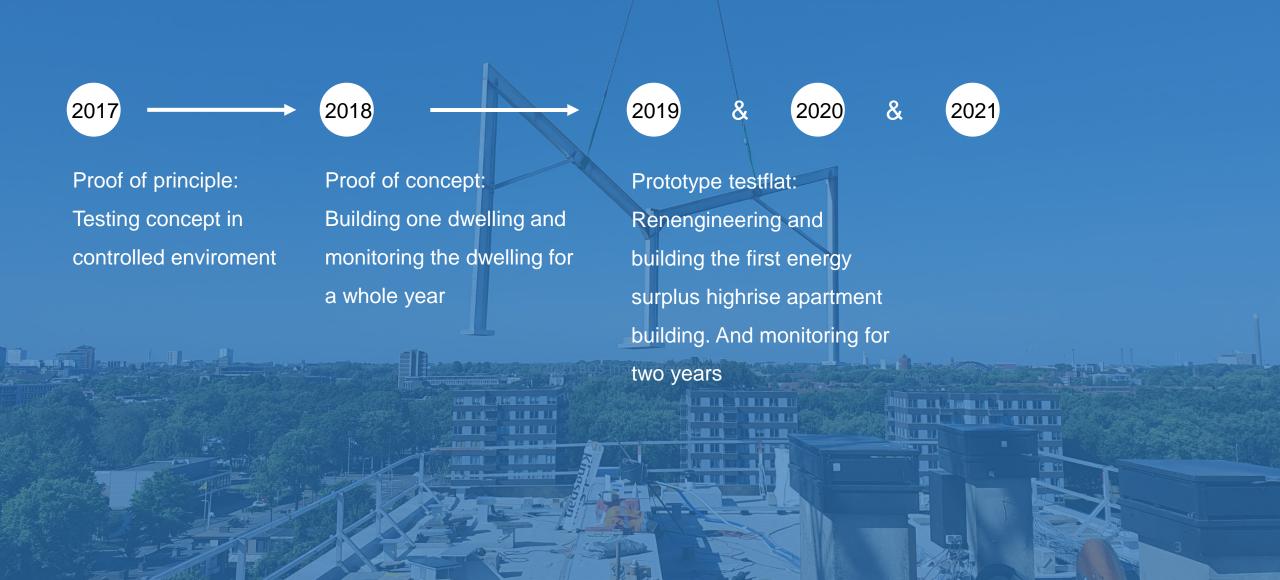






The Journey of Inside Out





Proof of principle – Proof of concept

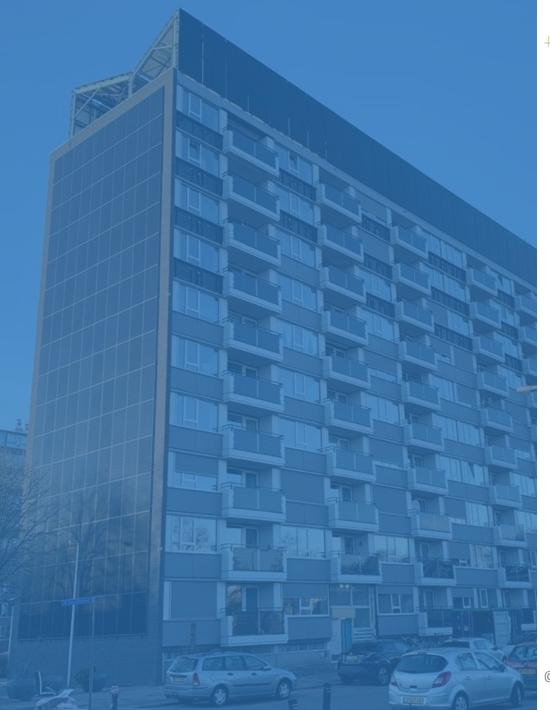






<u>https://www.youtube.com/watch?v=YvYphMAYkMg</u> – TKI Inside Out Utrecht on youtube <u>https://www.youtube.com/watch?v=i5SjVJ-Tz9E</u>





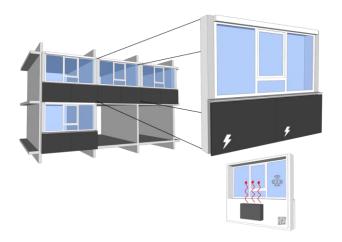




Project Henriettedreef, Utrecht

- Renovated high-rise apartment building
- After renovation an energy surplus of roughly 20.000kWh
- From district heating → collective LT-heating
- Renovation with inhabited dwellings
- Prefab facade modules with integraded ventilation, LT-heating, solar panels.
- Prefab LT-heating climate container for heat and warm water production





Adaptiveness to LT-heating of end-users

- Differences in experiences with LT heating between dwellings with same external factors.
- The level op adaptiveness of the end-users is crucial for the happiness of the new LT-heating system.
- Differences between new residents and the residents that already lived in a dwelling.
- Big differences between age groups and their experiences of the LT-heating system.
- How can we enhance the willingness to adapt to a LT-heating system?
- Be honest with residents and coach them in the first periods after the renovation





