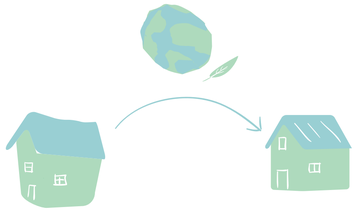
CONTEXT



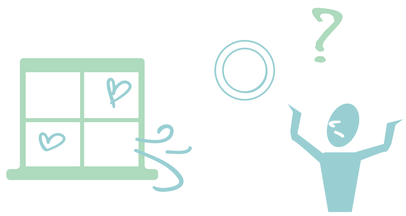
Housing has to be refurbished to become sustainable, yet the challenge is to integrate refurbishments that reduce energy with the way people live

Residents struggle to incorporate the new balanced ventilation system into practices. This impacts energy goals and the residents' comfort.

SUPPORT RESIDENTS TO TRANSITION PRACTICES IN ZERO ENERGY HOMES

with the aim to incorporate the new ventilation technologies into practices

PROJECT

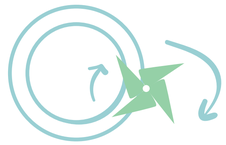


1. Interviews reveal that unfavourable associations and the poor feedback lead to poor integration of ventilation systems

Mismatching associations and the lack of feedback are identified as points that hinder a transition of practices. The lack of feedback makes it hard to learn the skills to use the system. At the same time, poor feedback makes residents insecure about functioning of the system. One of the unfavourable images is that ventilated air is less healthy.

2. "Design an interaction with the house that proves the systems' functioning and functionality"

The design goal is to provide feedback on functioning and functionality. Feedback on these elements could support residents to integrate balanced ventilation. Ian concept phases the direction to provide feedback at valves was most promising.



3. The final concept, the feedback fan, provides feedback at the ventilation valve

The feedback fan spins on the air that is supplied or extracted at the valve. Through the feedback, residents to understand and trust the system. Seeing the fan spin, creates trust and helps to learn settings. By seeing the fan residents know what the system does at that moment, this enables them to align their actions.

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Supporting residents to transition practices in zero energy homes
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Design for Interaction

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