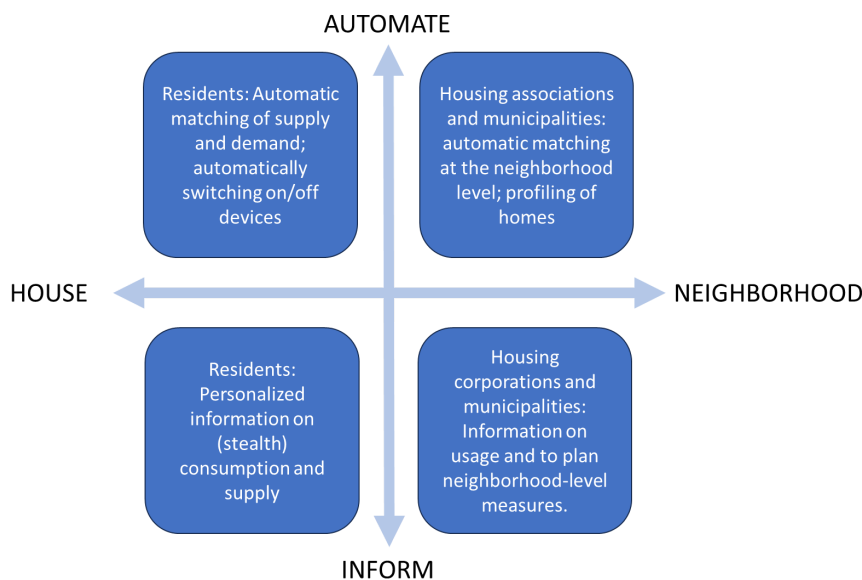


Beschrijving projecten op website Saxion-AMI/ Project descriptions for the AMI website

NOWATT

The energy transition is much more than a technical issue. NOWATT focuses on an approach in which everyone participates: Residents (behavior), SMEs (technology) and Government (housing cooperatives). NOWATT uses artificial intelligence (AI) to accelerate the energy transition and combat grid congestion by making neighborhoods more energy neutral. Based on this practical question, we have established research questions that contribute to this, based on the Trias Energetica 2.0, with a broad group of SME partners. AI can be used to inform people (influencing behavior) or to take (automatic) action (smart balancing, controlling devices), both at the level of an individual home and at the level of a neighborhood.



Topic

Artificial Intelligence, Sustainability, Energy transition, Preventing grid congestion, Influencing energy consumption behavior, Insight energy consumption.

Program objectives

In this project we investigate whether AI can be used to categorize (profile) homes (and residents); Such a profile provides a basis for personalized advice and helps to plan measures at district level.

This way we can carry out analyzes at the level of a house and at the level of a neighborhood, calculate scenarios and take concrete measures. The solutions that NOWATT (further) develops focus on providing people with understandable information (residents, coaches, housing associations, municipalities) and on automatically controlling the neighborhood to be more energy neutral, for example by making choices about the time when a car is

being charged, when the washing machine is turned on or an optimal strategy for using a neighborhood battery.

Partners

Livup/Datacadabra, Nijver/Nijhuis bouw, Voorstroom, Mindhash, Woningstichting Tubbergen/WoonTwente, Woninstichting Mijande, Woninstichting St Joseph Almelo, OpenRemote, Amperapark, Hanzenet, Mindig, OostNL, AI hub Oost.

Duration

April 2023-April 2025

Meer informatie/Contact/More information

Voor meer informatie: Info Hans Schokker website

Financiering/Financing

This project is financed by SIA: <http://www.regieorgaan-sia.nl/>