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The Netherlands Smart home Smart grid

FINANCING

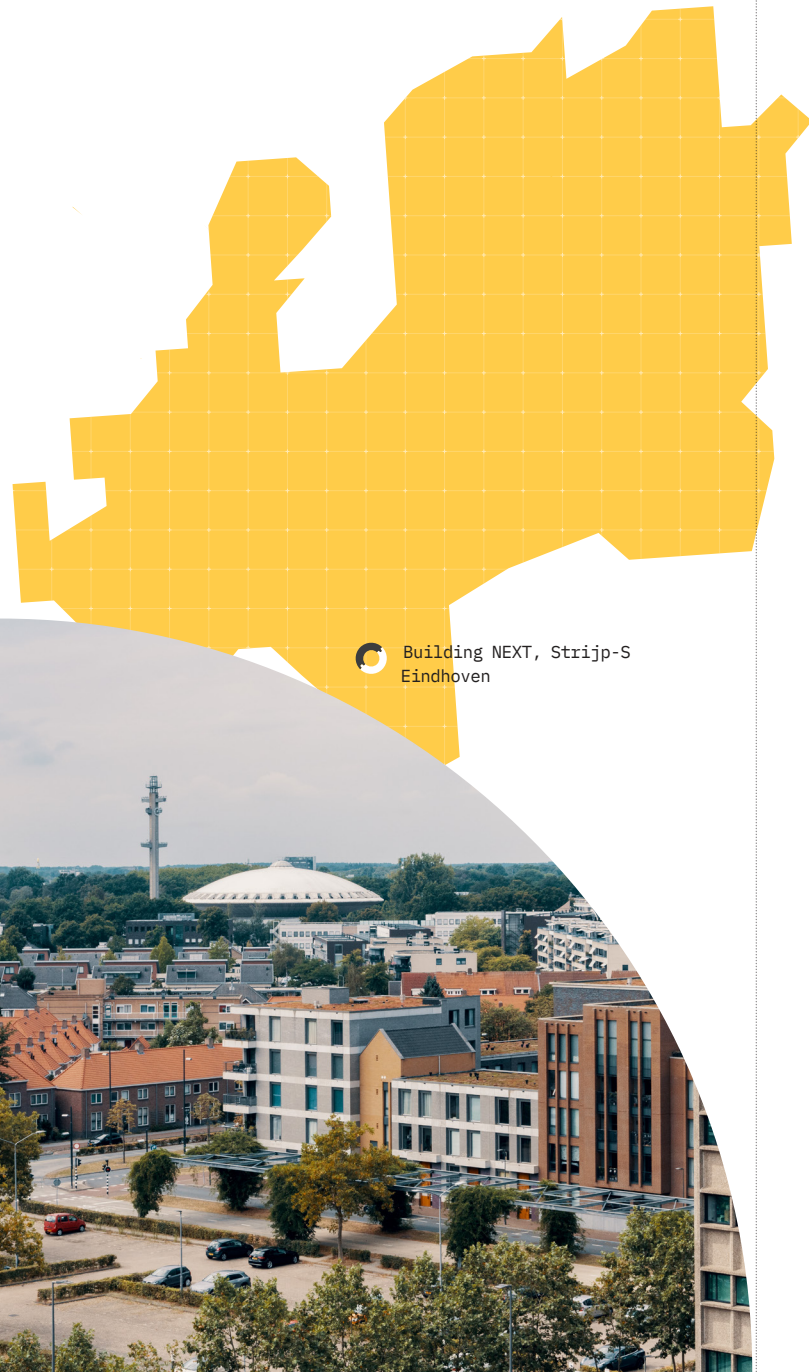



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant agreement No 857237

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Location



 Building NEXT, Strijp-S Eindhoven

Objectives

The pilot will take place in Building NEXT, Strijp-S Eindhoven, with the following objectives:

- Increase the level of comfort, convenience, safety and sustainability;
- Enable the opportunity to participate on the energy market; Use household appliances as a source of flexibility in the demand for energy;
- Lower the peak load of energy consumption;
- Reduce the energy bill;
- Provide a state-of-the-art smart home and an ecosystem to add individual sensors, devices and appliances;
- Give access to the 'app store' for smart home services;
- Create awareness for the energy transition that is taking place;
- Give an opportunity to be actively involved in the energy transition;
- Creating and validating new business opportunities (services) for different stakeholders.



Technologies & Infrastructures

Households will be able to live and test the smartest home of the Netherlands, equipped with a central gateway, sensors and devices, smart appliances (dishwasher, washing machine and tumble dryer), a smart lock, a smart City Optical Fiber connection and the following new technologies:

User friendly interface

This Graphical User Interface (GUI) is used to manage and control all sensors, devices and appliances in the home.



Hyrde's Ekco platform

This multi purpose platform provides additional services to the interface and is the central communication point of the home. It runs all the necessary software for operating the system.



TNO's ReFlex platform

This platform organizes demand and supply of energy, as tool for aggregation and scheduling of energy flexibility.

