interconnect

Do you want to know more?

@InterConnectPrj

The Netherlands
Smart home
Smart office
Smart grid

Partners involved

iCity
SMART CONNECTIONS, QUALITY LIVING

Hyrde

recognize

VolkerWessels Telecom

TNO

VU — VRIJE UNIVERSITEIT AMSTERDAM

Associated Partners

Bouwinvest

OFFICE-S
LIKE THE WAY YOU WORK.

NEXT APARTMENTS

STRIJP-S

Yask

Location

Eindhoven
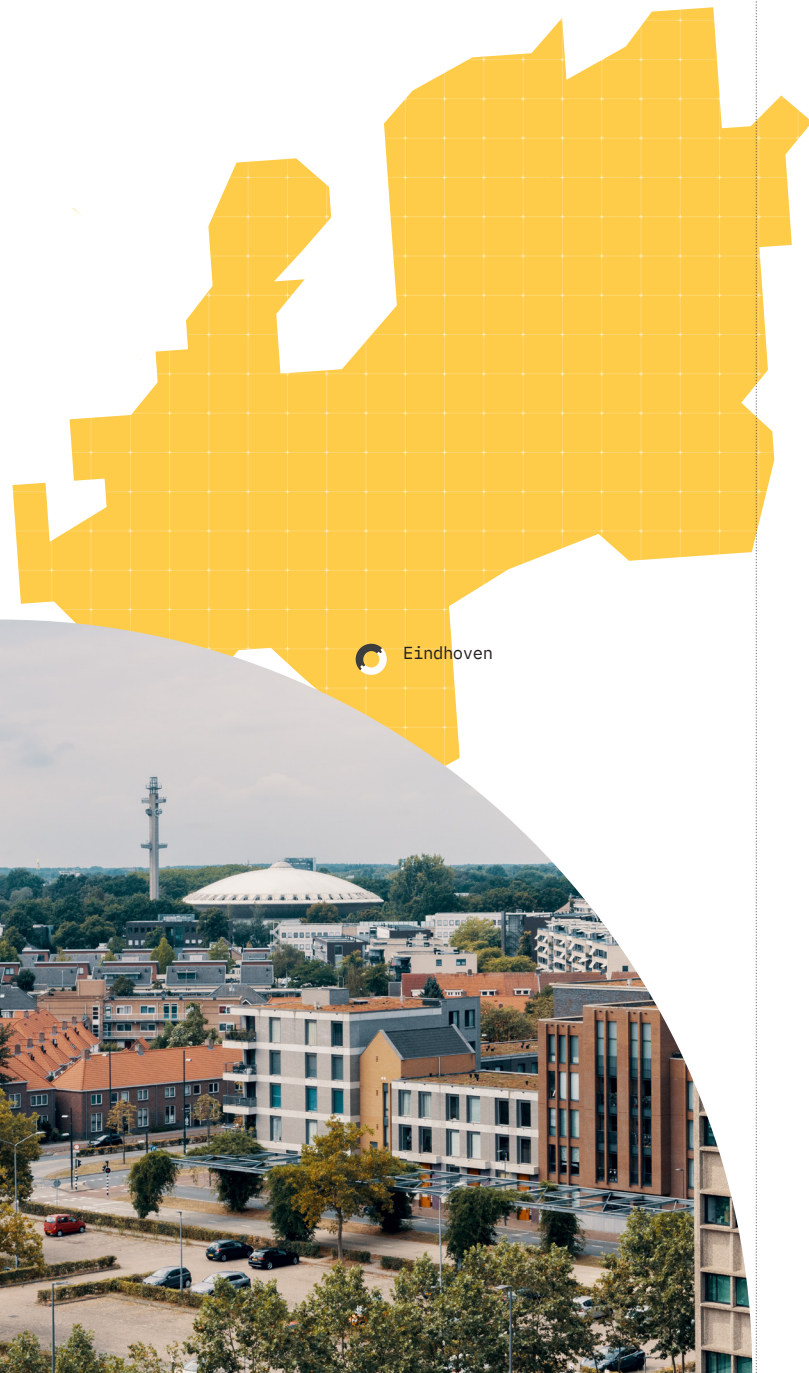
Objectives

The Netherlands' demos will be installed in two different buildings, aiming at distinct target groups (building owners and households), following different objectives.

Commercial

→ Optimize the energy consumption based on real time data and external data sources;

→ Enable the opportunity to participate on the energy market;

→ Use thermal storage (heating & cooling) as flexibility source;

→ Reduce the energy bill;

→ Lower the peak load of energy consumption;

→ Increase the level of comfort, convenience, safety and sustainability for tenants of the building;

→ Implement a state-of-the-art building management system;

→ 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.

Residential

→ 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

Building owners will be able to test the next level of facility management and explore new services; while households will experience new technologies and a whole new way of living. The new technologies that will be provided are:

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

iOffice app
This interface enables office users to use different services and is a platform for communication between user's and the community manager.

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

Hyrde's Ekco Building Management platform
This multi-purpose platform enables its user to manage and control the complete (IoT) ecosystem of a building on an intelligent way. 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.