



European Energy Network

The voluntary network of European Energy Agencies - at the heart of the clean energy transition

Name and Country of EⁿR Member

RVO – The Netherlands



Netherlands Enterprise Agency



Name of Project/Programme & Link to website

Sustainable renovation in stacked residential buildings

https://www.youtube.com/watch?v=_bUzsXpKyaU

Description of Project

The project aims to develop an intelligent and sustainable BIPV façade system suitable for sustainable renovation of stacked residential construction, including a financially attractive business case for the residents. The goal is to achieve more renewable energy.

The project will yield a first pilot, but the system is now scalable, both industrially / technically and financially, so that a roll-out to other locations in the Netherlands will be feasible and a new market segment can be supplied with PV.

Aim/Expected Impact of Project

This project results in an industrially applicable BIPV facade system (ZigZagSolar), linked by an intelligent system that enables monitoring, netting and supply and demand balancing (Herman de Zonnestroomverdeler) and an attractive financial model that relieves housing corporations (Tautus financial model). The combination of these innovations is applied in a first pilot at housing corporation ZOWonen, the Eisenhower flat II, located on the Eisenhowerstraat in Sittard. The generated electricity provides for about a third of the total apartments.

Involvement of the Agency and Link to the EU Green Deal

Smart Integration/Renovation Wave

Subsidy provided by the Dutch government via RVO.