



European Energy Network

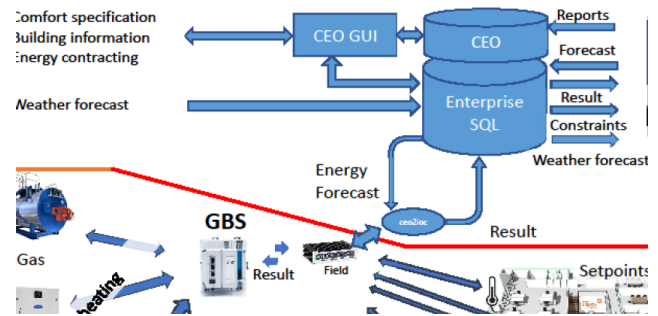
The voluntary network of European Energy Agencies - at the heart of the clean energy transition

Name and Country of EⁿR Member

RVO – The Netherlands



Netherlands Enterprise Agency



Name of Project/Programme & Link to website

Cloud Energy Optimizer

<https://projecten.topsectorenergie.nl/projecten/marktin-troductie-cloud-energy-optimizer-00029124>

Description of Project

The non-residential construction sector uses a lot of energy for heating and cooling. Saving energy in existing buildings with existing installations is complex, leads to inconvenience to the user and often has a (too) long payback period. Research projects within the framework of the TKI Urban Energy have initiated a Cloud based product, with which optimal control of installations and comfort in an existing building can be realised while at the same time reducing the use of primary energy (and less CO₂ emissions).

Aim/Expected Impact of Project

The Cloud Energy Optimizer (CEO) is an add-on for a Private building management system. Based on the weather forecast, building and installation data and an energy model, the energy demand is predicted 24 hours in advance. The calculated set points are passed on to the existing BMS. In this way, optimal use of energy for the building is achieved using the existing installation and the existing Building Management System within specified comfort limits. This leads to a saving of 10-40% on energy consumption.

Involvement of the Agency and Link to the EU Green Deal

Smart Integration

Subsidy provided by the Dutch government via RVO. Smart Integration.