European Institute for Energy Research by EDF and KIT

RESPONSE

IntegRatEd Solutions for POsitive eNergy and reSilient CitiEs

RESPONSE
Integrated Solutions for Positive Energy and Resilient Cities

Key Facts

Funding Agency
EU HORIZON 2020

Project Call
H2020-LC-SC3-2018-2019-2020

Duration
10/2020 – 09/2025

Coordinator
EIFER

Partners

Website
https://h2020response.eu/

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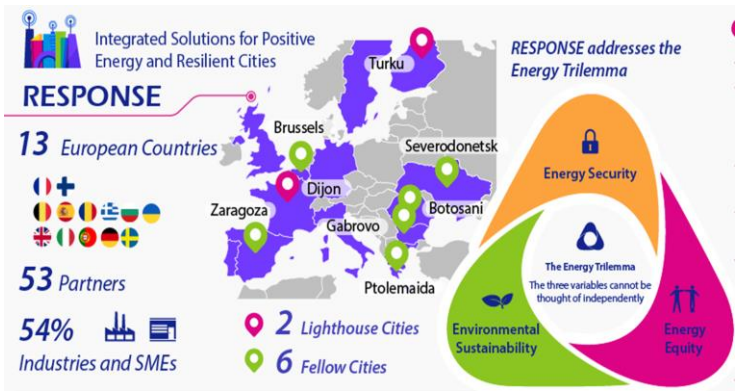
Project Objectives

One of the largest energy consumers responsible for 40% of the energy consumed and 36% of CO_2 emissions in the EU8 is the building stock. Up to 75-85% of EU buildings are considered as energy inefficient (≈30 billion m^2), however they will continue to be utilized till at least 2050 rendering renovation crucial. RESPONSE aims to turn energy sustainability into a double vision by solving the energy trilemma (security, equity/affordability, environmental sustainability) at building, block and district levels in smart cities. To this aim, RESPONSE builds upon intelligent integrated and interconnected energy systems coupled with demand-oriented city infrastructures, governance models and services that foster energy sustainability.

The deployment of citizen-centric Positive Energy Districts enabling active citizen participation and empowerment will be an important step to generate a global positive impact on energy sustainability and climate change.



EIFER's Contribution

- EIFER is responsible for the project management and coordination of a consortium of 53 partners and 13 work packages.
- EIFER leads the development of Integrated and Interconnected City Ecosystem Operational Framework (work package 3).

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