



Renaissance



Renewable integration and sustainability in energy communities

Renaissance project is an Innovation Action supporting clean production and shared distribution of energy in local communities. It aims to deliver a community-driven, scalable and replicable approach to implement new business models and technologies in the energy market.

CONCEPT

Renaissance project will develop a comprehensive benchmarking model, to significantly improve the uptake of local integrated energy grids, likely reducing consumer prices at least by 10%-15%.

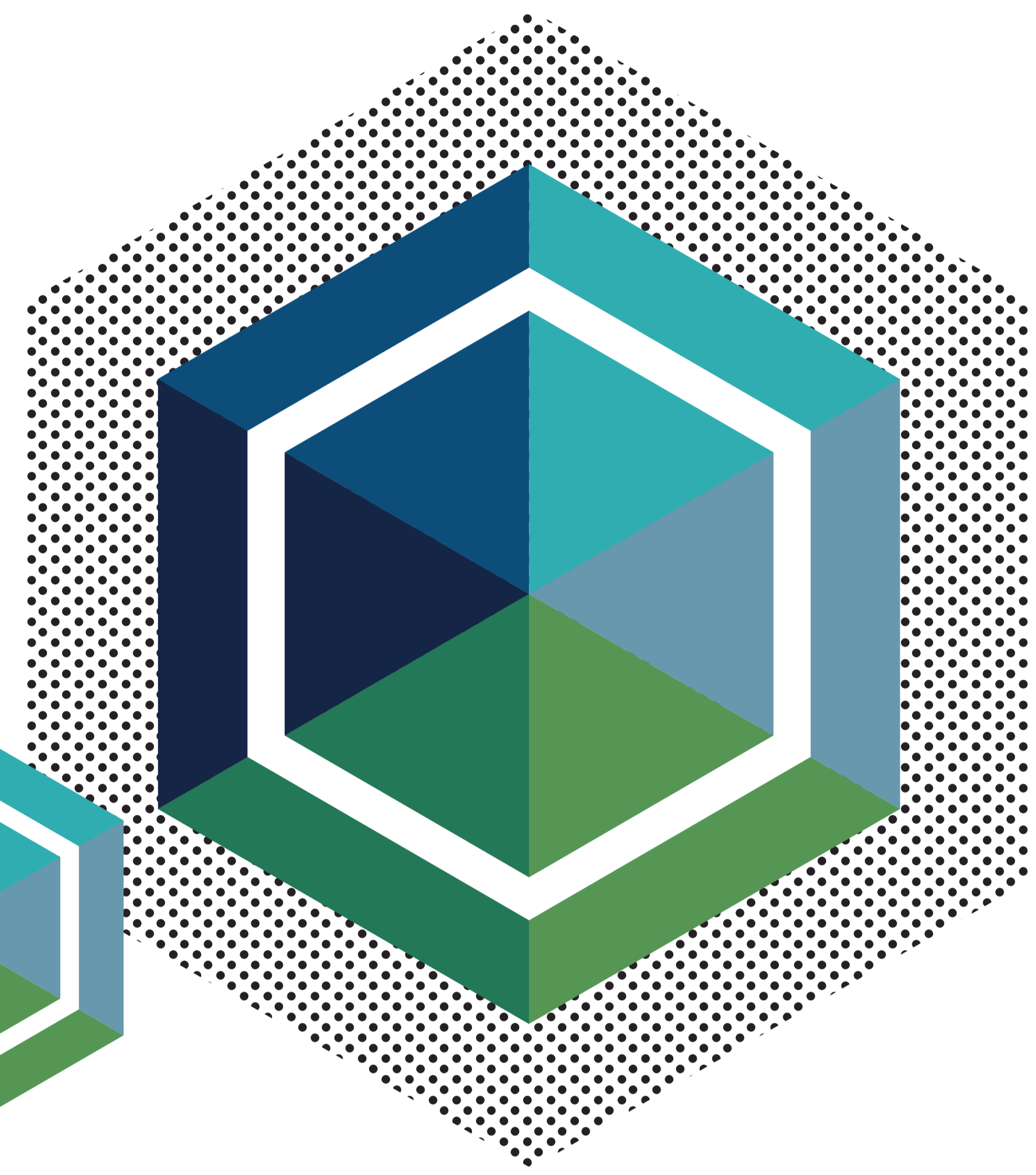
OBJECTIVES

To deliver a proven community-driven approach which is scalable and replicable globally, RENAISSANCE will:

Bring to the market a set of tools for clean integrated energy systems in any local environment.

PILOT SITES

In order to validate a suite of tools, their application will be demonstrated in real-life pilots in Belgium, Greece, Spain and the Netherlands.



Allow dynamic mapping of energy vectors and associated financial values.

Identify new business models to activate a critical mass of local energy stakeholders.

1 DEMONSTRATOR SITE

Ski village resort
MANZANEDA, ES

2 DEMONSTRATOR SITE

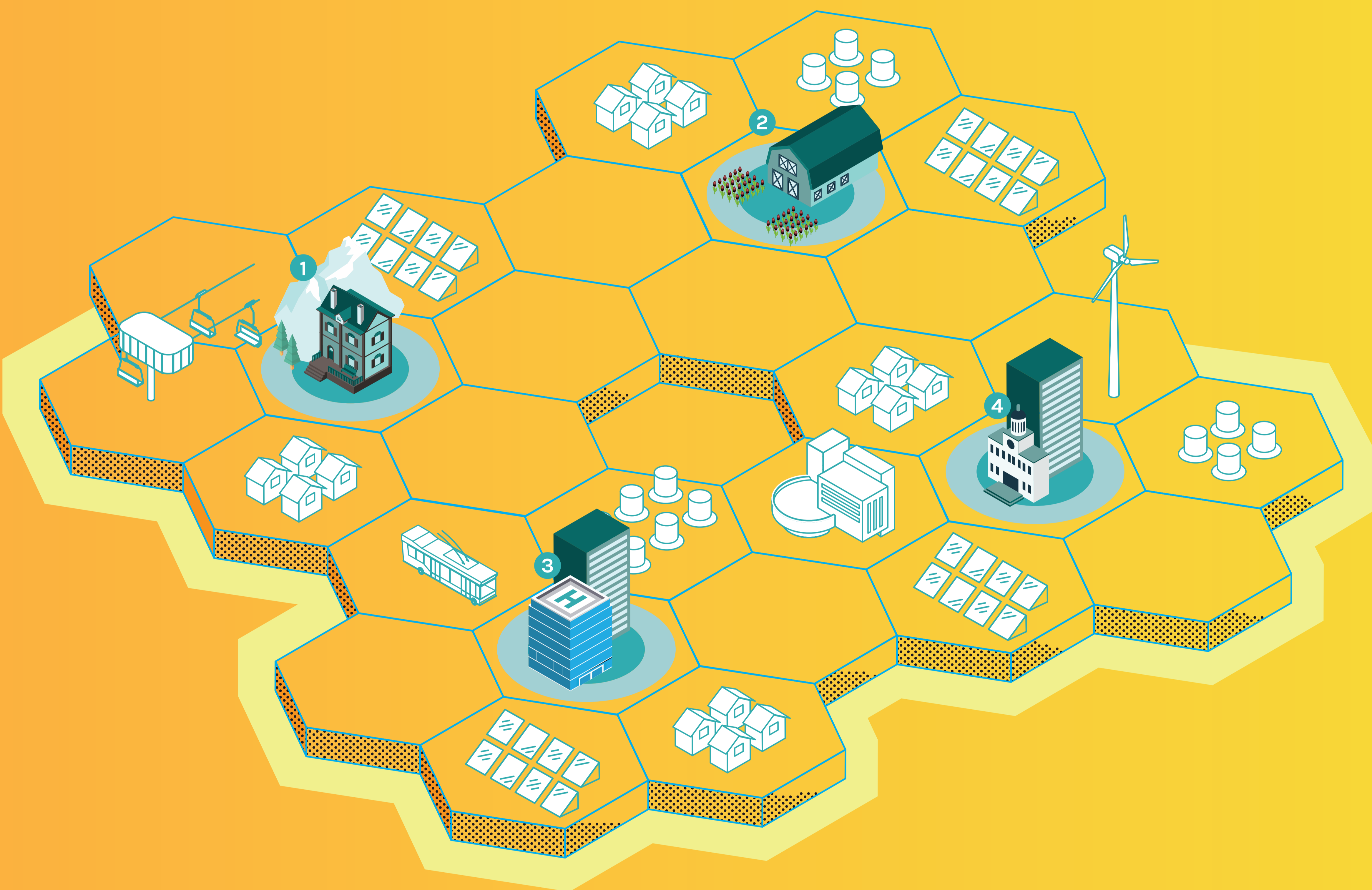
Suburban municipality
EEMNES, NL

3 DEMONSTRATOR SITE

Health university campus
BRUSSELS, BE

4 DEMONSTRATOR SITE

Student community campus
KIMMERIA, EL



Contacts

Coordination
Prof. Thierry Coosemans
Vrije Universiteit Brussel
thierry.coosemans@renaissance-h2020.eu

Dissemination team
Alessandra Tedeschi
Deep Blue
alessandra.tedeschi@dblue.it

Project website
www.renaissance-h2020.eu
info@renaissance-h2020.eu

Renaissance features

Interoperability

A platform based on a secure, interoperable and scalable blockchain architecture will be developed to interconnect demonstrators.

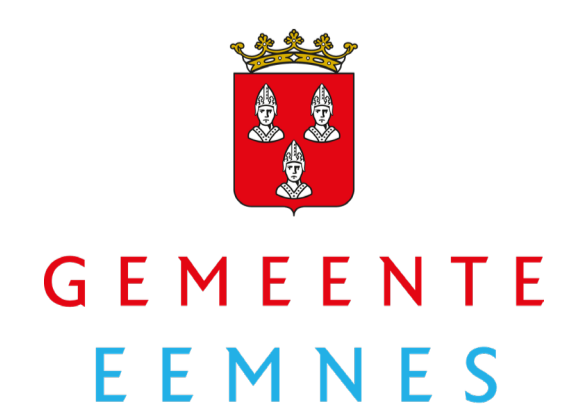
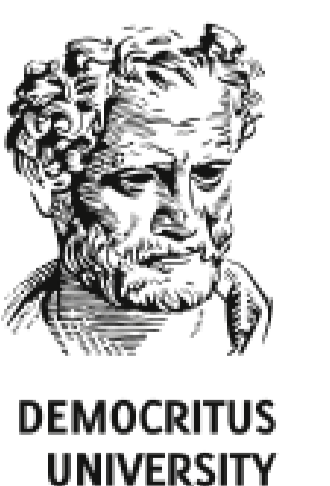
Scalability

New business models will be identified to support the design of customised smart contracts, then validated for scalability in the four different European pilot sites.

Replicability

Virtual demonstrators in Eastern Europe, India, China, United Kingdom, USA will demonstrate the replicability of solutions in any type of local energy system.

Consortium



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