

READY - Resource Efficient cities implementing Advanced smart city solutions



OBJECTIVE & FOCUS

Innovative measures are implemented in the READY project to **reduce the needs of fossil fuels** and the **emission of CO₂ to nearly zero**.

The following principles have been selected as the most important focus:

- Resource and cost efficiency
- Green business model approach
- Integrated and sustainable planning of area transformation
- Innovative and integrated energy solutions
- Piloting whole city approach



Aarhus, DENMARK (300 000 inhab.): demonstration site

Växjö, SWEDEN (80 000 inhab.): demonstration site

Kaunas, LITHUANIA (300 000 inhab.): observer

APPROACH

Integrated technical solutions

Innovative Building solutions

- Heat driven appliances
- Water efficiency solutions
- Smart kitchens

Integrated heating/cooling solutions

- Low temperature district heating
- Waste heat recovery (industries, PV)
- District heating smart metering

Smart electric grid system & mobility solutions

- Combined solar solution technology
- Battery solution for electricity storage
- Virtual power plant

Demonstration

Aarhus, DENMARK

- A total of 43,424m² of social housing area (413 apartments)
- 2,068m² of administrative building
- 8,700m² private one-family houses (approximately 60)

→ Expected efficiency gain: between 50-60%

Växjö, SWEDEN

- A total of 31,061m² of multi-family houses (316 apartments)
- 11,162m² office building

→ Expected efficiency gain: between 38 and 53%

Monitoring

Data processing
and analyses

Monitoring

Evaluation of impacts

Market entry

Market study

Business model

Replication

MY SMART CITY DISTRICT



READY is part of the initiative My smart City District (www.mysmartcitydistrict.eu). This initiative gathers 7 projects and involves 21 cities from 12 different countries.

They all share the common objective of promoting energy efficient renovation for cities and communities leading to large-scale replicability of sound energy efficiency solutions.



PARTNERS

