

Simply Positive



Supporting innovative and ambitious cities and municipalities on their pathway to Positive Energy Districts through easy, clear, and understandable guidelines, targets, and strategies



What we do

SIMPLY POSITIVE supports the emergence of Positive Energy Districts and the transition to Climate Neutral Cities:

- » Produce more energy locally than consume it
- » Implement sensible cost-cutting measures
- » Minimize CO₂ emissions and relieve the climate

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Goals

Development of a SIMPLY POSITIVE PED framework with innovative strategies, concepts, and guidelines to increase the participation level of municipalities and cities to foster the creation of Positive Energy Districts and Positive Energy Neighborhoods:

- » Focus on and expansion of **existing urban strategies** for climate & environmental strategies
- » Creation of a **standardized and practicable energy balance calculation process** based on available data
- » **Monitoring system** to see, qualify and verify actions
- » **Evaluation of participation strategies** based on impact and acceptance.

Urban PV Maximization



The joint research activities will carry out a very realistic **PV potential for the focus city of Amsterdam** while providing a blueprint for

extending this methodology to other focus districts.

Four different installation modes of PV modules will be defined to optimize energy usage and minimize esthetical interference. The aim is to **raise awareness** of the given PV potential and how to untap it with respect to economical, energetic, architectural, and governance requirements.

Local RES as support for e-mobility



Aim is the **improvement of EV charging infrastructure** using local RES for increasing energy autarky. A **feasibility study will be done** on the

example of Settimo Torinese to verify the degree which can be covered by local RES in dependence on PV installation potential, EV charging needs, and smart charging/bi-directional charging developments. This should lead to the anticipation of the expected total storage **capacity of EV batteries** of over 300 GWh by 2025 in city planning and Positive Energy District/Neighborhood implementation plans.

Embedding Climate Action Targets in City Policies



A **Sustainable Energy and Climate Action Plan (SECAP)** will be developed for Reșița, which will include strategic objectives & climate action

targets aligned with Sustainable Development Goals (SDGs), technical assessments, which can measure the status quo of the municipality's energy performance and stakeholder engagement. The development of a demonstrator tool will permit accurate tracking of the specific indicators defined according to SDGs.

Reducing Energy & Carbon Footprint through Behavioral Change



Next to energy production and energy flexibility, **energy efficiency** is one of the key topics to achieve energy autarky. Available **saving potentials** through adaptations of usage patterns related

to electricity, heat and mobility will be discussed with all four focus districts and collected in a set of **practicable demand side actions**.

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Key facts

- » Project submission to the Positive Energy Districts (PED) pilot call of the JPI Urban Europe framework program
- » **Project duration:** January 23 - December 24
- » **Project budget:** ~ 1,2 Mio. EUR
- » **Project type:** Applied research

Contact

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Project consortium



4 Focus Regions

different: nations - sizes - climatic conditions - existing sustainability strategies in place - data sets available for our work

Großschönau/Austria



a rather small, but very well-known rural municipality in Lower Austria that has been since decades pushing towards sustainable and environmentally friendly ways of living. Within the region, Großschönau aims to **be energy-neutral by 2030**. About **1,5 kWp of photovoltaic** is already installed per capita. There are **several public charging stations for electrical cars**, as well as **privately and commercially used battery storages**. An **energy data measuring network** is in place for all public buildings, and step-by-step also private houses are being connected.

Settimo Torinese/Italy



is a “comune” in the Metropolitan City of Turin, in Piedmont, Italy. Settimo has started the process to **become a smart city** a few years ago thanks to the digitalization of some procedures, the collection and open availability of data and the improvement of electric charging infrastructure. For this reason, it is involved in the definition of a **strategic plan to develop a recharging infrastructure scheme** through the positioning of fast re-charge points along the city as part of a broaden national plan.

Reșița/Romania



is the residence city of Caraș-Severin county and located in the Western Region of Romania. Reșița is recognized as one of the older industrial cities in Romania with a **history of more than 250 years**. One of the **key focuses of the municipality** is energy efficiency of its district considering environmental concerns, the EU strategies, but also the economic added value towards its citizens and community as a whole.

Amsterdam/Netherlands



is the capital and most populous city of the Netherlands. Amsterdam set its **solar panels ambition** to 1 million solar panels installed in 2022. The total calculated **potential of 3,25 million solar panels** could generate 1 TWh of electricity. Looking at **2030**, the city aims to have **550 MW installed**. **SIMPLY POSITIVE** will aid Amsterdam by **integrating knowledge domains** in order to support the city and its stakeholders with supporting information for **investment decisions and prioritization strategies**.