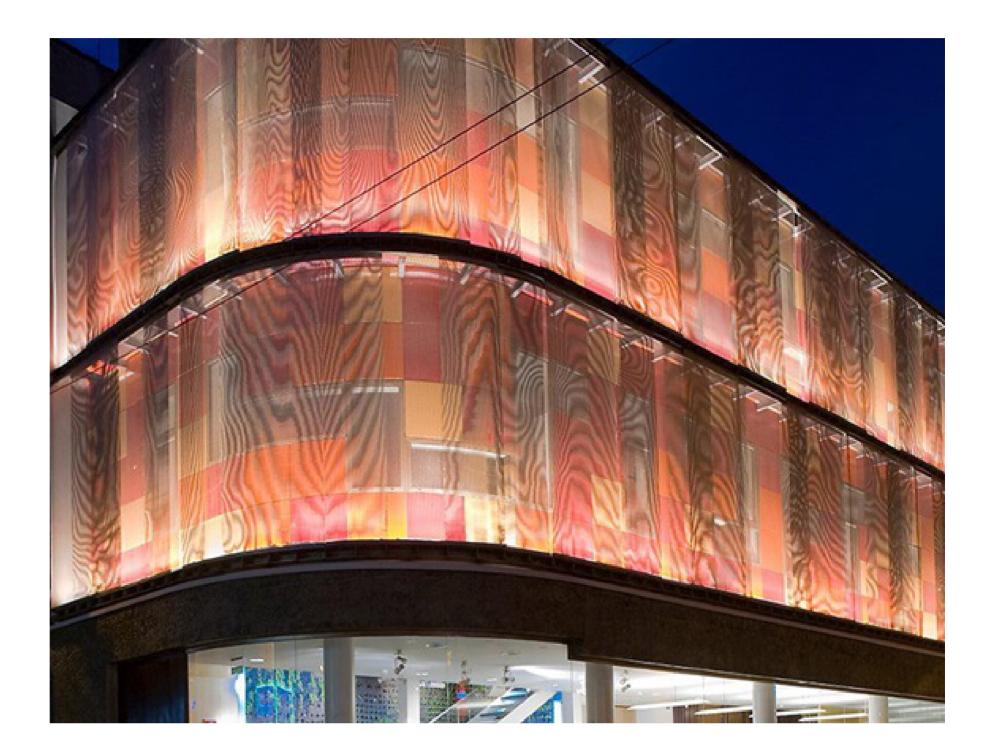


# Smart Urban Isle

Smart Urban Isle aims at moving forward with urban energy savings. Based on a three-cornerstone procedure, the project aims at a whole new urban planning that allows cities to grow in a more sustainable way.

Consequently, we are developing an innovative concept for city planning, where cities are arranged and grow encircling small integrated areas.

The project will probe Smart Urban Isle as an innovative basic energy unit in the Smart City. Municipalities such as Santa Cruz de Tenerife, Amsterdam, Winterthur, Zurich, Limassol, lasi, Granada, Güssing (through ecoEnergyLand) have shown their interest to work hand by hand implementing the outcomes.



#### **Approaches/methods**

Mini networks include decentralised

## **Expected results and impacts**

• Transition of energetic systems in Europe to robust systems based on efficient and sustainable use of natural resources

• Investigate, implement and validate energy neutral 'Smart Urban Isles' (SUI)

Locally balance the energy system

**Aim/objective** 

• Whole new urban planning that allows cities to grow in a sustainable way

Smart Urban Isle – Smart bioclimatic low-carbon urban areas

- renewable energy generation, energy storage and distribution
- Bioclimatic design of buildings and urban planning
- Energy Management Systems to control and optimize energy flows

# Comparison of cities in

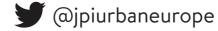
- Spain
- The Netherlands
- Switzerland
- Romania
- Cyprus
- Austria

### as innovative energy isles in the sustainable city **Duration:** 2016–2018 **Internet:** www.jpi-urbaneurope.eu/smart-urban-isle Contact: Ing. Antonio Collado, Consultoría de Automatización y Robótica S.A. (CARSA) **E-mail:** acollado@carsa.es Budget: 1.449.188 EUR Partners: Consultoría de Automatización y Robótica S.A. (CARSA), Technical University lasi, ZHAW Zurich University of Applied Sciences, Europäisches Zentrum für Erneuerbare Energie Güssing, Delft University of Technology, SC SQnP SRL, Cyprus University of Technology, Anerdgy AG, Middle East Technical University

# About JPI Urban Europe

JPI Urban Europe is a transnational research and innovation programme on urban transition. With the ambition to develop and validate new solutions for sustainable and liveable cities, a cooperation platform and programme is provided to connect urban stakeholders, researchers, cities, business and society

www.jpi-urbaneurope.eu





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 693443

