

A green abstract graphic consisting of overlapping geometric shapes, including a rectangle and a triangle, in various shades of green.

## EV ENERGY

### Electric Vehicles for City Renewable Energy Supply

**Duration:** 2017 – 2021

**Programme:** The Interreg Europe

**Lead partner:** Green IT Amsterdam Region (NL)

**Project partners:** Green IT Amsterdam Region (NL), Province of Flevoland (NL), Barselona Official Chamber of Commerce, Industry, Services and Navigation (ES), Stockholm Country Council, Growth and regional planning administration (SE), Kaunas University of Technology (LT), Regional Association of Lazio Municipalities (IT), EUR S.p.A (IT)

**EV ENERGY** targets to create a framework for regions and cities to improve and develop policies for the integration of electric mobility, smart grids and renewable energy, which will lead to more effective sustainable energy systems in urban areas.

Europe faces the challenge of reducing CO<sub>2</sub> emissions. Cities are the main energy consumers, but also offer the greatest opportunities. Two of the most important technologies that are gaining momentum in European cities are Electric Vehicles (EVs) and Renewable Energies. Both technologies offer great potential for climate change mitigation but do come with limitations. Solar energy production peaks at noon, when demand is low. EVs are mainly charged after working hours, precisely at the period of maximum demand, when the solar generation is much lower.

EV Energy proposes a more innovative, rational and economic alternative, focused on integration of urban clean mobility and energy systems. It will also investigate policy instruments and the factors that give results to cities reducing greenhouse gas emissions and saving money through interconnecting mobility and energy systems.

The partners will assess their local practices and improve their regional instruments to maximize their impact based on these assessments. Their experiences will be documented and disseminated for the benefit of the widest possible audience. It will make positive impact on the region's potential on future energy and mobility systems in cities.

The main steps of the project are regional and inter-regional assessment and inter-regional exchanges. Regional assessment phase is for inventory and evaluation of the electric mobility, smart grids and renewable energy integration policies and best practices in different regions. The inter-regional exchange responsible for exchange of generated measures between cities, regions and countries.

KTU is an EV Energy project partner, transferring the Best Practices and experiences to authorities, other organizations and awareness raising in Lithuania. KTU coordinates the analysis, in which all partners are actively involved, and provides partners with the appropriate bespoke templates to ensure the harmonization of information and data collection. Also KTU is leading the Exchange part of the project, and continues to actively guide the partners during the exchange.

Links: <http://www.interregeurope.eu/evenergy/>

