



Vehicle to Home

Vehicle to Street / Neighbourhood



Vehicle to Business

Vehicle to City

F Facts and Figures on SEEV4-City:

- Supported by Interreg VB North Sea Region Programme, under Priority Axis 4: Green Transport and Mobility
- Total budget: € 5.013.573
- ERDF grant: € 2.156.787
- Norwegian funding: € 350.000
- Duration: 01/09/2016 - 25/10/2019



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 @SEEV4City

P Partners



Interreg

North Sea Region

SEEV4-City



European Regional Development Fund



Smart, clean Energy and Electric Vehicles for the City

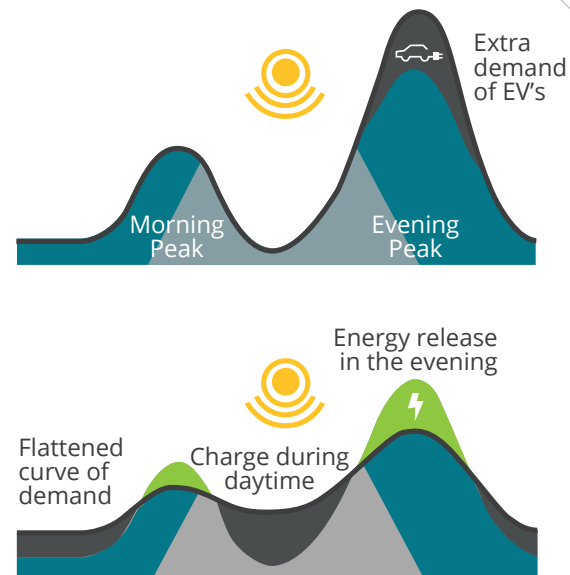
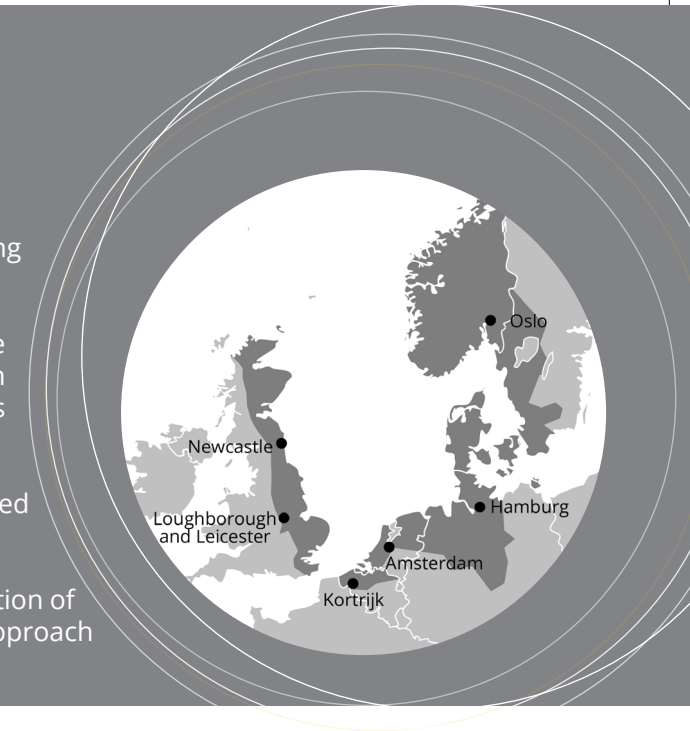
S Smart, clean Energy and Electric Vehicles for the City

The whole North Sea Region area is facing issues related to reducing the carbon footprint of transportation. Stimulating transport solutions powered by clean renewable energy is a top priority of public authorities at all levels.

However, the deployment of an increasing amount of electric vehicles in cities and a rising production of renewable energy creates a challenge. Most of the time, renewable energy supply does not match the electricity demand from the electric vehicles. Due to this difference in demand and supply of renewable energy, electric vehicles are not always charged with energy from renewable sources and grid instability is a concern.

The SEEV4-City project aims to structure the system in such a way that electric vehicles will be charged by locally produced renewable energy.

The core of the SEEV4-City project is about achieving a huge step forward in green city development by a smart combination of electric vehicles, renewable energy sources and ICT solutions. This results in the development of an integrated policy approach on stimulating both e-mobility as well as sustainable energy (SUMP to SUMEP).



W What makes it so unique?

SEEV4-City demonstrates the opportunities in the combination of renewable energy and electric vehicles with smart ICT systems.

It contains **7 operational, long term pilots in 6 European cities** aiming for:

- An increase in energy autonomy
- An increase of ultra-low emission kilometres
- Avoiding extra investments to make electrical grids compatible with an increase in electro mobility and local energy production

These objectives will be realized by:

- Bidirectional chargers (vehicle-to-grid)
- Use of batteries as a short term storage of renewable energy
- Using big data from more than one million charge sessions
- Introduction of new businesses for electric mobility and local renewables
- Implementation of vehicle-to-grid systems on 4 different levels:
 - Vehicle to Home
 - Vehicle to Business
 - Vehicle to Street
 - Vehicle to City

