



Project Brief

Smart, clean Energy and Electric Vehicles For the City (SEEV4-City) supports the transition to a low carbon economy in European Cities, combining electric transport, renewable energy and smart energy management. Funded by the Interreg North Sea Region, SEEV4-City enables EVs to provide clean travel, whilst also supporting the energy infrastructure by using their batteries for the short-term storage of renewable energy. Based on supply and demand, available energy is redirected from the vehicles into individual homes, neighbourhoods or cities. Smart ICT systems, using big data, manage and direct energy flows for maximum environmental and commercial benefits. The project includes 13 partners from four cities across Europe: Leicester, Kortrijk, Amsterdam, and Oslo.



Objectives

- Support energy infrastructure using electric vehicles (EVs), enabling bidirectional charging (V2G) and using EVs batteries as short term storage for renewable energy.
- Demonstrate smart electric mobility solutions, integrating renewable-energy sources and encouraging take-up in cities.



Deliverables

- Operational, long term pilots demonstrating the integration of local renewable generation and energy storage, by using ICT to manage energy supply and demand flows.
- Innovative city development plans integrating clean electric transport services and renewable energy generation.
- Business development for renewable energy and mobility services across the host cities, incl. reduced energy dependence in the city.
- Social acceptance study, lessons learned, management guidelines and policy frameworks.