

# OSLO demonstrator: Charging in an Energy Smart Neighbourhood



- What:** Cost efficient home charging for residents in a housing cooperative through the establishment of an Energy Smart Neighbourhood.
- Why?** All new cars shall have zero emissions by 2025. However, the charging capacity is limited for drivers living in apartment blocks or flats.
- Our aim:** To guarantee enough energy for residents in flats using existing grid capacities and to maximize the use of renewable energy.

## Target groups:

- Residents in flats using electric vehicles
- Operators of charging points
- Enterprises, communities, housing cooperatives, other companies (B2B)

## Innovative features:

- Booking of charging
- Flexible charging
- Optimal and coordinated use of energy
- Business models for
  - rewarding flexibility
  - penalizing priority
  - rewarding energy prosumers
  - rewarding low peaks

## Enabling features (state of the art):

- Private charging points
- Priority charging
- Local renewable energy from 70kWp solar panels
- Stationary energy storage of 50kWh

## Contributors:

- FORTUM (charge point operator)
- ZET (eMobility Provider)
- ESMART (Energy Management System)
- OSLO (facilitator)
- SINTEF (project leader)