Why FLOW?

While the EU Parliament voted to ban new sales of fossil fuelled cars by 2035, **FLOW** gives a solid basis to **enhance** the upcoming mass **penetration of EV transportation**.

FLOW enables and valorises **EV flexibility through V2X solutions**. Grid congestions are alleviated leading to **decarbonization** and **Renewable Energy System** enhancement!

FLOW in numbers

4 years

10M€ budget

600ktCO2/year in reduced emissions

1.3B€ in saved costs

Local RES increased by **14%**

RES curtailment avoided by **4TWh**

Contact us

FLOW Project

@ FLOW_V2X

theflowproject.eu

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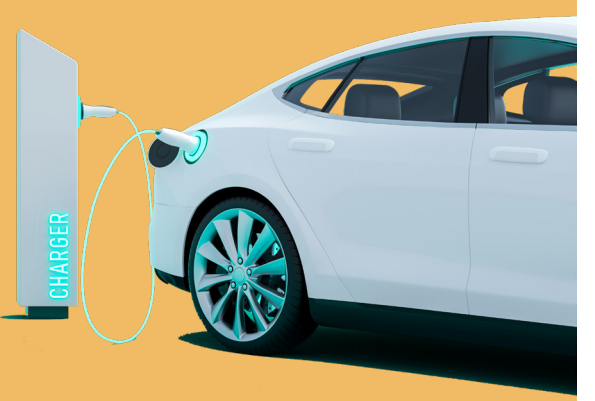
Flexible energy systems Leveraging the Optimal integration of EVs deployment Wave



About us

3 universities and research centres

A TSO, several DSOs, CPOs and aggregators

SMEs specialized in ICT, EV charging infrastructure and innovation management

We deliver:

Smart charging and V2X integration

Interoperable solutions through a wide range of applications and Business Models

User-centric approach to foster EV uptake through active participation strategies

Pilot sites

Menorca

- High Energy Demand seasonality due to tourism
- More than 65 cars involved (incl. car rental)
- V2G to provide flexibility and increase RES
- penetration by 25%

Rome

- The city foresees an upcoming 1.8GW of EV charging installations
- Almost 500M€ in grid updates savings thanks to FLOW solution

Denmark

- Heterogenous charging: private, public and semipublic
- Rural and urban transport areas covered
- 1.7 B€ savings forecasted in avoided charging stations

Dublin

- 2 shared parkings
- EV users are interviewed, power quality data is collected
- Cooperation with local energy community

Prague

- Local benefits and Optimization through V2X
- Comprehensive solution involving PV, storage and LV DV microgrid.

FLOW tests, validates and enhances **energy exchange** among **Vehicles, Buildings and the Grid.**