



# Do you want to know more?

# interconnect

Follow us at  
<https://interconnectproject.eu/pilots/portugal>

## Partners involved



**domotica sgta**  
gestão técnica de edifícios



@InterConnectPrj

## Portuguese Pilot

### FINANCING

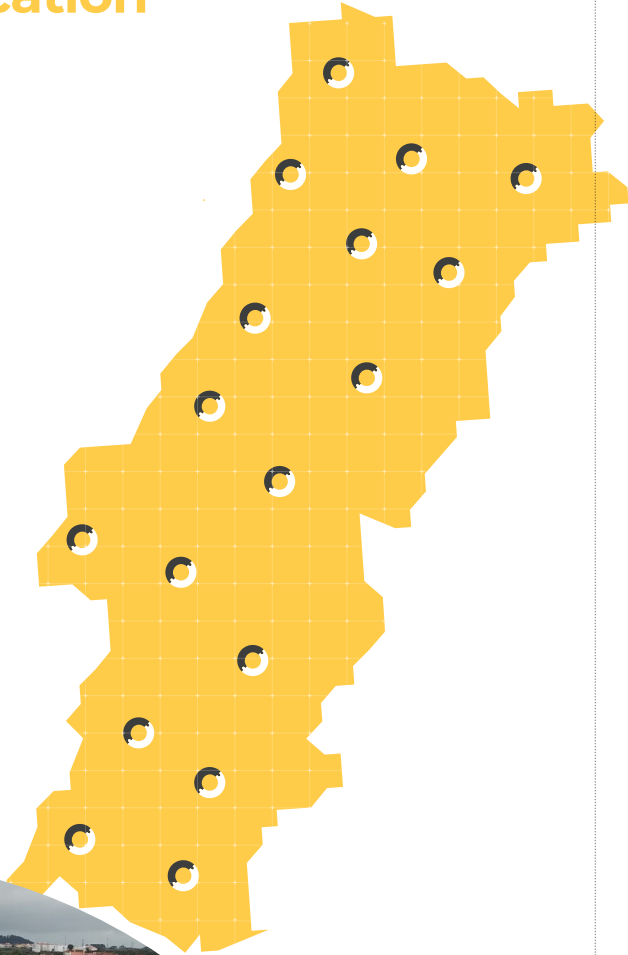


This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant agreement No 857237

### DISCLAIMER:

The sole responsibility for the content lies with the authors. It does not necessarily reflect the opinion of the CNECT or the European Commission (EC). CNECT or the EC are not responsible for any use that may be made of the information contained therein.

## Location



## Objectives

The Portuguese pilot will allow two types of consumers – residential and commercial – to access solutions that will connect them to the energy of the future.

The residential demo will accomplish the following goals:

- Exploit different energy services (P2P, flexibility management, etc.) for households, buildings, and energy communities.
- Exploit interoperable digital platforms for energy and non-energy services based on cloud and hybrid connectivity solutions.
- Validate and flexibility platforms and the data exchange interfaces within the DSO (Distribution System Operator) infrastructure and demonstrate the compliance with CIM standards and potential for wide adoption at the EU level.

The Commercial will take advantage of the interoperable framework developed within the project to:

- Develop an integrated Energy Management System (iEMS) for retail stores.
- Explore the provision of Energy Management services through the iEMS.
- Demonstrate flexibility aggregation for DSF (Demand Side Flexibility) to DSO.
- Demonstrate that convenient Electric Vehicles (EV) charging in private areas can impactfully promote e-mobility.

## Technologies & Infrastructures

The residential demo will be deployed in 250 households in 5 sites, across the country. The commercial demo will be developed and installed in 12 retail stores spread along the Portuguese territory, where: ~75% will have local RES, ~75% will have local e-mobility and ~50% will have both local RES and e-mobility.

The following technologies will be part of the Portuguese demo:

### BMS – Building management system

System that integrates subsystems / devices available within a store.



### iEMS

System that integrates the BMS systems of different stores.



### Interoperability layer

Set of semantic adapters that enables different systems to communicate with each other.



### EV chargers

Hardware necessary to charge EV's.



### Technical platforms

Set of technical platforms from various actors (e-mobility manager, retailer, flexibility aggregator, store manager, etc.) that will communicate through the interoperability layer enabling the deployment of new services and solutions.

