

WiseGRID demonstration site Smarter systems. Empowered citizens



Crevillent, a pilot site for WiseGRID!

The European project WiseGRID wants to contribute to Europe's transition to a low-carbon economy by increasing the use of renewables through the promotion and demonstration of innovative and smart technologies. This will be demonstrated and evaluated under real life conditions in Belgium, Italy, Spain and Greece.

One of the demonstration sites is in Crevillent, a city on the Mediterranean coast of Spain. The grid is managed by Cooperative Crevillent, a part of Enercoop which manages 14.315 consumers (13047 households and 1268 companies) in low voltage network; and 30 consumers in medium voltage network (mainly industrial and service sector companies).

Infrastructure in Crevillent

In Crevillent, Enercoop is working hard to get all the generated and distributed energy 100% clean.

- 14.315 consumers
- 75.000 PV panels in solar plants
- 2,000 modules of PV panels in solar roofs



- ↑ Renewable Energy share
- ↓ Electricity consumption
- ↑ Efficiency of the grid
- ↓ The electricity bill

What exactly will be tested?



Wisecoop: Tool for energy retailers, aggregators & local communities and to consumers and prosumers achieve better energy deals.



Wisecorp: Corporate tool for businesses, industries, ESCO's and public facilities consumers and prosumers to become active, smarter energy players.



Wisehome: Tool for individual domestic consumers and prosumers to become active energy players.



InterOperable Platform: Secure and open ICT platform for real time monitoring and decentralized control to support effective operation of the energy network



Electric Vehicle Platform: This tool will be used by vehicle-sharing companies in order to optimize charging and discharging of the Electrical vehicles and reduce energy billing.



Cockpit: This tool will be used by DSO's or microgrids Operators in order to control, manage and monitor their own grid, improving flexibility, stability and security of their network



Renewable Energy Service: This tool will enable the provision of energy to the consumers from renewable energy sources.



Charging station for electric vehicles: This tool will make possible to use Electric vehicles as dynamic storage devices, feeding electricity stored in their batteries back into the system when needed.

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Which **cooperative** is involved?



Enercoop – Cooperative Crevillent

The Electric Cooperative of Crevillent is a **DSO and retailer** that provides electricity to:

- 14,315 consumers (13047 households and 1268 companies) in low voltage network; and
- 30 consumers in medium voltage network (mainly industrial and service sector companies).

The entire energy production of the entity has **zero emissions** and is working hard to get all the generated and distributed **energy 100% clean**.

The experience and background has led the company to be one of the most important cooperatives in Spain having a **great international prestige**.

Enercoop have installed and integrated into their grid more than 75,000 PV panels in solar plants, 2,000 modules of PV panels in solar roofs.