

Optimising water consumption

Redeia improves water efficiency in Castellfort with the installation of smart meters

Under an agreement with the Town Council, more than 300 new individual smart water meters have been installed to detect potential leaks or faults in real time

Castellfort (Castellón), 20 October 2026

Redeia, through its subsidiary Red Eléctrica, the company responsible for electricity transmission and the operation of the Spanish electricity system, and Castellfort Town Council (Castellón) have completed a joint project aimed at improving water efficiency and optimising water consumption in the municipality. Under the agreement, 309 smart meters have been installed (284 in the town centre and a further 25 on agricultural and livestock farms), enabling them to be read remotely without the need for physical access.

Thanks to this collaboration, consumption can be monitored in real time and the data analysed to detect any faults or leaks in real time, while also allowing readings to be taken as often as needed. This action forms part of Red Eléctrica's commitment to creating shared value with local communities, in line with Redeia's Comprehensive Impact Strategy.

With a registered population of 189 inhabitants, Castellfort is a small municipality in the Els Ports region. The Town Council manages the drinking water supply network, as well as its maintenance and meter reading. The high number of second homes makes it difficult to read meters located inside properties.

The new system improves management by providing real-time indicators on the status of the supply network, thereby enabling the early detection of leaks. It also minimises the need for staff to take readings in person, increasing efficiency in managing the meter stock and ensuring greater reliability of billing data, alongside enhanced transparency and improved customer service.

The goal shared by Red Eléctrica and Castellfort Town Council in this project is to optimise the consumption of water, an essential yet ever-scarce resource. The collaboration agreement was signed by Redeia's Eastern Region Manager, Maite Vela, and the Mayor of Castellfort, Juan Manuel Segura, who saw some of the newly installed meters first-hand.