

Experts from the Public Utility Company, telecommunication companies and meter manufacturers will analyze the present and future of this technology

---

## Canal de Isabel II presents achievements in remote meter reading with NB-IoT technology at a technical workshop

- The company is organizing this forum in collaboration with the Spanish Association of Water Supply and Sanitation
- The forum will focus on e-SIM cards, implementation of remote meter reading for water utility operators and their future plans

**16JAN2020** - Canal de Isabel II is organizing the 2nd Conference on NB-IoT and Remote Reading of Water Meters, which takes place today Thursday to a full house at the Canal Foundation in collaboration with the Spanish Association of Water and Sanitation Supplies (AEAS).

The forum, which will have the participation of technicians from the public utility, other water suppliers, telecoms and meter manufacturers, will analyze the state of this technology and its applications with the aim of improving their sales service and the information given to customers about their consumptive use. The ultimate goal is share experiences in the field of intelligent water meter reading, through Narrow Band - Internet of Things (NB-IoT) communication technology.

Aimed at water utility operators, telecoms, meter, telecommunications equipment and component manufacturers, the conference takes over from the one held just over a year ago to present the future of remote reading technology. This second edition will mainly focus on e-sims and their role in this technology, as well as on models and strategies for water and telecommunication operators to implement remote reading.

Canal de Isabel II will conclude by explaining its experience and future plans for this technology, which provides better service to users and optimizes the reading and billing processes. Technicians from Emacsa, the municipal utility responsible for the water supply in Cordoba, and Global Omnium, which operates the complete water cycle in different locations in Andalusia, Cantabria, La Rioja, the Basque Country, Navarra, Castilla-La Mancha and Castilla y León, will also present their experience and challenges in this task.

Representatives from Vodafone, Telefónica, Orange, and the manufacturer of measuring instruments Contazara will take part in the different round tables that make up the event, together with Canal de Isabel II and its subsidiary Canal de Comunicaciones.

### REMOTE READING: MORE AND BETTER INFORMATION FOR THE CUSTOMER

The public utility company has been studying the use of advanced remote reading technologies to improve its commercial activity and the service provided to its customers in the Comunidad de Madrid for more than a decade: in 2018, Canal de Isabel II launched a pilot project to standardize a remote water meter reading system using the (NB-IoT) communications system. This is the first experience of this magnitude to be carried out in Spain with the participation of the main communications operators as well as meter manufacturers.

After completing the installation of the equipment in the pilot projects carried out with the three large communications operators (Vodafone, Movistar and Orange), as well as with the meter manufacturer Contazara, more than 4000 meters were connected for remote reading with NB-IoT. Canal defined the parameters and technical specifications needed to acquire communication equipment to achieve 100% use of smart meters in the Comunidad de Madrid, the goal set by the company for the year 2030.

This initiative is part of the Canal de Isabel II 2018-2030 Strategic Plan and will allow the public utility to offer its customers complete and detailed information on their consumption, detect incidents or water losses in indoor facilities and increase efficiency in the management and operation of its distribution network, thus reinforcing the commitment to and relationship with its users.

Canal de Isabel II was created almost 170 years ago to supply water to the city of Madrid and today its more than 2,800 employees work daily to serve more than 6 million people throughout the region. It is an innovative public utility company, leader in its sector and internationally recognized for its management of the complete water cycle.

It operates 13 reservoirs; 78 groundwater catchments; 17,601 kilometers of adduction and distribution network; 131 pumping stations for drinking water and 133 for wastewater; 15,083 kilometers of sewer systems; 65 storm tanks; 157 wastewater treatment plants; and 615 kilometers of reclaimed water network.