Telefónica Tech

global omnium

Global Omnium

Digital transformation in water management

450.000
domestic and industrial smart water meters

12 years
battery life

150.000
Narrowband IoT (NB-IoT) SIM cards

Challenge:

The main challenge of this project is the water telemetry use case as it takes NB-IoT technology to the extreme.

The deployment requires:

- A high concentration of devices;
- Complex locations;
- Batteries with a lifetime of at least 12 years;
- Deliveries with 100% reading qualities.

Solution:

End-to-end solution that allows water utilities to remotely collect consumption readings from their customers. The solution also enables remote monitoring and management of smart meters, making it possible to detect malfunctioning of deployed assets or configure readings according to customer needs.

Results:

For our customer

- Optimised management of water meters.
- Water balances.
- Detection of leaks and fraud.

For citizens

- Reduction of claims.
- Real invoicing.
- Warning of possible leaks.
- Reduction of environmental impact.