

CASE STUDY

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.

Why Telefónica Tech?

Telefónica Tech is a leader in the integration of next generation systems and technologies for digital transformation. We put the most advanced technologies in Cyber Security, Cloud, IoT, Big Data, Artificial Intelligence and Blockchain at the service of companies, organisations and public administrations to make their processes and businesses more efficient, sustainable and resilient.

We are the digital business unit of Telefónica, a global company that has been contributing to the development of industry, the economy and society for 100 years.

Let's continue working together to transform the world.