

SMART METERING

Smart Water Management

HOW CAN TELEFÓNICA TECH HELP?

Comprehensive digital management of the water cycle to optimize operations, maintenance, and user experience.

Technology plays a fundamental role in safeguarding a resource as scarce as water and promoting more efficient and sustainable management.

Telefónica Tech's Smart Water Management solution offers a comprehensive technological **platform to optimize the water cycle**, from collection to wastewater treatment.

Narrowband-IoT water meters **enable network monitoring, remote and automatic consumption readings**, as well as a 40% reduction in leaks, saving between 15% and 20% of total consumption.

This approach **facilitates the digital transformation of water management companies**, improving operations, maintenance, and user experience, promoting **efficient and sustainable management** in a context of increasing global water stress.

WHO IS THIS SERVICE FOR?

This solution is designed for **water management companies**, whether they **are public, private or mixed**.

OUR VALUE PROPOSITION

Our service

Our solution is based on the implementation of smart **meters and IoT sensors**, facilitating the centralized and efficient **management of the three fundamental pillars of the integral water cycle**:

- › **Infrastructure**
 - Collection
 - Treatment and purification plants
 - Drinking water distribution and sanitation networks
 - Metering equipment
- › **Commercial**
 - Accounting
 - Billing
 - Customer management
- › **Field work**
 - Operation and maintenance
 - Water Services

Our solution, which combines connectivity, smart devices, and advanced analytics, reduces water loss in public networks and homes through predictive **maintenance, early leak detection, control of unauthorized consumption, and analysis of low consumption** indicators in risk groups.

What does it allow you to do?

Our solution processes diverse sources of information to generate a single data model, establishing a centralized system of smart decision-making that facilitates:

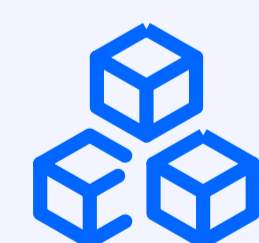
- › **Defining investment plans:** Based on network performance and financial capacity.
- › **Optimizing efficiency:** Maximizing the return on investments made by management companies in the modernization of infrastructures and processes.
- › **Increase the security and expertise of the team:** Offering tools that improve operational control and management.
- › **Improve interaction with end users:** Through value-added services that increase customer satisfaction.

It is also an **agnostic and modular solution** that allows for the independent installation of different applications aimed at optimizing management, operation, and maintenance in all areas of the integral water cycle. It **provides a single management point** that interconnects all solutions through an advanced data model and a smart algorithmic engine.

Telefónica Tech's differential value



The Smart Water Management solution stands out for offering advanced tools for smart decision-making, providing each customer with a comprehensive **and centralized view of the complete water cycle**.



Its **modular and scalable design** allows it to be adapted to the specific needs of each customer, integrating advanced technological capabilities with a deep knowledge of the water sector, optimizing the operation, maintenance, and sustainability of water-related processes.

Benefits

The Smart Water Management solution offers multiple **advantages for both management companies and end users:**

- › **Centralized integration:** Manage all applications related to the integral water cycle from a single system.
- › **Global vision:** Navigation panel that allows the managed operations to be visualized and analyzed together.
- › **Information synthesis:** Consolidates key data from all operations in a single system to facilitate decision making.
- › **Scalability and modularity:** Allows new modules or applications to be integrated in a flexible way and the project to be scaled according to needs.
- › **Advanced alarm management:** real-time reception and display of alarms generated in each module.
- › **Operational efficiency:** reduction of non-revenue water, optimization of asset life, early detection of imperceptible leaks, improvement in the planning and prioritization of capital investments.
- › **Detailed reports:** generation of reports that analyze parameters and trends and offer strategic insights.

For the end user:

- › **Accurate billing:** Based on real and up-to-date data.
- › **Problem prevention:** Early warning of leaks or unusual consumption.
- › **Improved customer service:** More agile and accurate services in the resolution of complaints.
- › **Better overall experience:** A more reliable service tailored to the user's needs.

BUSINESS MODEL

We offer a comprehensive **end-to-end service** that covers everything from the provision of smart meters and IoT sensors, through connectivity and management platforms, to advanced data analysis.

This approach enables water utilities to optimize service quality, increase security, achieve significant savings and promote more sustainable water resource management, contributing to the care of the environment.

RELATED SERVICES

Industrial Cyber Security Assessment

Our experts will support you in the development of industrial cybersecurity master plans, regulatory compliance analyses, technical consulting, and penetration testing, including security evaluations for robots.



Smart Irrigation Management

We help you deploy smart irrigation telecontrol systems to ensure more efficient water consumption, contributing to sustainability, optimizing management time, and reducing costs.



AI & Data Consulting

We design a master transformation plan centered around data, guided by your business priorities. Based on these priorities, we build a technological ecosystem of IoT and Artificial Intelligence, enabling your company to leverage the potential of these new technologies to generate new revenue streams, optimize costs, or reduce risks.



Contact us to start the digital transformation of your organization.

