

## SMART CITIES

# Smart Moorings

### HOW CAN TELEFÓNICA TECH HELP?

We help ports optimize the use of resources and improve service to their customers.

The digitalization of nautical moorings allows a more efficient management of water and electricity supply, giving ports **full control over resources and associated costs**. It also provides users with the ability to monitor their consumption and make advance bookings, significantly improving their experience.

Digitalization in Spain, with more than 250 ports and 125,000 berths, is a key solution to respond to the growing boom in nautical activities and move towards a sustainable and efficient management of port resources.

### WHO IS THIS SERVICE FOR?



**Regional entities and port authorities:** Bodies responsible for ports that seek to implement solutions to manage available resources more efficiently.



**Private companies managing marinas:** Companies interested in improving the competitiveness of the port through innovative digital services that offer greater added value to their customers.

## OUR VALUE PROPOSITION

### Our service

Telefónica Tech's Smart Moorings solution is **designed to automate the supply of water and electricity at port moorings**, providing managers with valuable, real-time information that was previously unavailable.

Users can now easily rent moorings and **remotely track** their water and electricity consumption while their vessel remains in port thanks to this digitalization. This optimizes resource management and significantly improves customer experience.

### What does it allow you to do?

The Smart Moorings solution offers functionalities for both port managers and port users.

For managers:

- › **Centralized control:** Know the global status of each port and manage several ports in a differentiated way.
- › **Personalized management:** Create different user levels in the platform, adapting permissions according to needs.

- › **Advanced visualization:** Manage and visualize detailed information on moorings, such as characteristics, status, consumption, reservations, and alerts.
- › **Statistics:** Obtain consumption statistics by groups, moorings or users for a more efficient analysis.
- › **Direct communication:** Send personalized messages to users or specific groups.

The Digital Moorings solution offers functionalities for both port managers and users.

For users:

- › **Advance bookings:** Consult mooring availability and make reservations prior to the start of supply.
- › **Real-time tracking:** Monitor your mooring's water and electricity consumption remotely.
- › **Security:** Ensure a secure link between the user and the supply point.

## Benefits

### Resource optimization

Obtain detailed and automated information on water and electricity consumption at moorings, eliminating the need to travel between poles to take measurements. Facilitates efficient resource management and enables proactive action to reduce waste.

### Improved customer service

It enables users to better plan their stay by pre-booking moorings. Users can monitor in real time the water and electricity consumption of their boats, improving the user experience. It provides a secure connection between the user and the supply point, increasing confidence in the service.

## BUSINESS MODEL

We offer a **complete turnkey service** that includes the **devices, their installation and the configuration of the project** adapted to the specific needs of the customer.

It covers **access and use of the management platform, secure communications, and technical support**, ensuring the correct operation and evolution of the solution over time.

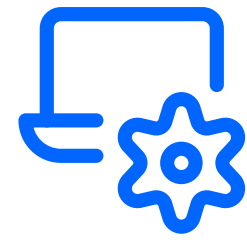


## Telefónica Tech's differential value



### Solution developed by Telefónica Tech

Telefónica has developed this solution hand in hand with real users, which not only provides technological support but also usability.



### Comprehensive delivery and deployment

Telefónica Tech manages the entire process, from the delivery and installation of the devices to the complete configuration and deployment of the platform, ensuring a fast and efficient implementation so that the customer can start taking advantage of all the functionalities from the very first moment.



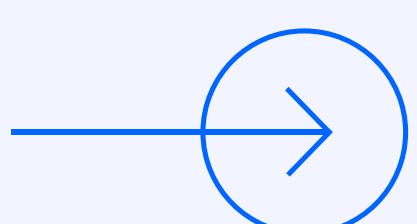
### Advanced security

Secure communications with end-to-end encryption, including temporary identification of the user with the service, ensuring data protection and trust in every interaction.

## RELATED SERVICES

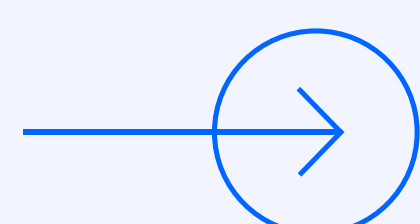
### IoT Connectivity & Kite Platform

We provide a comprehensive connectivity service supported by the best IoT connectivity on the market. This includes traditional cellular technologies such as 2G, 3G, and 4G, as well as new technologies specifically designed for IoT communications, like NB-IoT and LTE-M. The entire service is centrally managed through our Kite platform, enabling real-time control and monitoring of your line inventory.



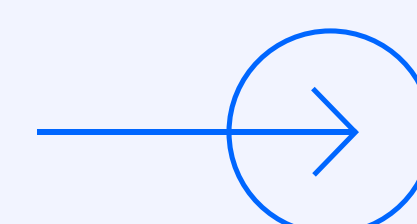
### Private Mobile Networks

An industrial network enables critical business operations by ensuring continuity, flexibility, and mobility in processes, supporting the rapid adaptation of production chains. It provides real-time responsiveness with low latency, depending on business criticality.



### 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.

