

IOT CONNECTIVITY

IoT Devices

HOW CAN TELEFÓNICA TECH HELP?

It develops and deploys IoT solutions in collaboration with the best providers of IoT connectivity hardware and data integration services on cloud platforms.

In a world where almost everything can be digitalized, from cars and industrial processes to everyday objects, the data from your business assets or your service can offer you valuable information to transform and optimize your operations.

That's why, at Telefónica Tech, we offer you our **IoT Devices** solution, which gives you access to IoT hardware and platform capabilities to digitalize your business more easily and in less time.

WHO IS THIS SERVICE FOR?

The IoT Devices solution is designed for companies like yours that are looking to develop and deploy IoT solutions, regardless of the size of your business or the volume of deployment. It is ideal for sectors **such as logistics, industry and services, energy and utilities, transportation, retail, and banking.**

Our solution is specially designed to help you **monitor the behavior of your assets and services, with the aim of improving their efficiency and optimizing your operations.**

OUR VALUE PROPOSITION

Our service

IoT Device Capabilities

We have a broad ecosystem of industry-leading IoT device manufacturers and various device variants depending on the type and number of connections you have. This allows you to connect each asset via USB ports, serial ports, Ethernet, etc., as well as to operate under different types of connectivity, such as 2G/3G/4G/5G, NB-IoT, or LTE-M.

Thanks to our devices and IoT connectivity, you will be able to extract data from any of your assets, such as refrigerators, vending machines, containers or vehicles, and communicate them with the cloud through the mobile network.

We also guarantee the network operation of the devices and the integration of the data with the systems of your choice, avoiding technological complexities and allowing you to focus on your business.

IoT platform and integration capabilities

We provide you with services to integrate the data collected by the devices with your on-premises or cloud systems, enabling you to view all business information through dashboards and graphs, as well as configure business rules.

In this way, you will be able to monitor your connected assets and their operation in real-time, create alarms and manage the devices deployed in the field using the IoT Cloud platform capabilities offered by our solution.

In addition, you will be able to manage your devices from the IoT platform through basic control and monitoring operations of the IoT devices themselves (reboot, firmware update, APN configuration, signal level), as well as view the inventory of deployed devices and their main attributes (IMEI, serial number, software version).

What does it allow you to do?

Our IoT Devices service provides the following functionalities according to the use case:

- › **Provide connection and telemetry** to your fixed assets, such as vending machines, ATMs, coffee machines, printers, beverage taps, etc.
- › **Increase security and assist** in the recovery of lost or stolen assets by locating them.
- › **Monitor and manage asset behavior** to improve efficiency.
- › **Develop micromobility applications** (bike & scooter sharing).
- › **Manage the cold chain.**
- › **Provide telemetry** for insurance and rent-a-car applications.

BUSINESS MODEL

The solution includes an IoT **device**, **cellular IoT connectivity**, and an **IoT platform** that allows you to monitor your assets and manage them remotely by configuring business rules and alarms.

Benefits

Monitoring and localization of assets.

Automation of processes that enable **reduction of operating and maintenance costs**.

Remote control of assets, without the need for redesign or replacement.

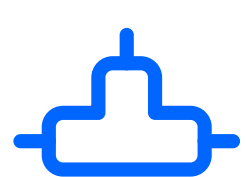
Creation of **new business models** and improvement of customer service.

Components of the solution

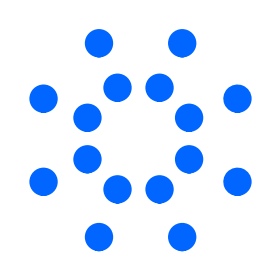
Telefónica Tech offers the best commercial and logistical conditions, facilitating the purchase, operation and support of all the components necessary for the deployment of an IoT solution:

- › **IoT devices** (routers, gateways, GPS trackers, etc.) from the world's most renowned manufacturers, certified and tested to connect to the Telefónica network without installation.
- › **Accessories** (power cable, antennas, supports, etc.).
- › **Customized firmware and agents** necessary to provide integration with the customer's assets and with the cloud platforms where the extracted data is stored.
- › **Global and centralized support** for components.
- › **Additional services related to IoT devices**, which give the offer a differential value: services for inserting and configuring SIMs in equipment, extended warranties or accessories.
- › **PaaS**: Platform as-a-service from the main cloud providers.

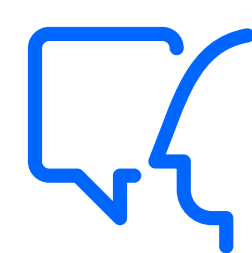
Telefónica Tech's differential value



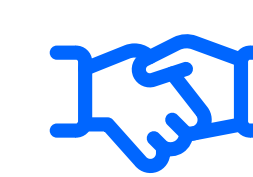
Possibility of **contracting the necessary components to connect any type of asset** in the most efficient and convenient way possible.



Extensive catalog of connected IoT devices from various industry-renowned manufacturers, software developers and integrators, and cloud IoT solution providers.



Consulting and support in the design and deployment of the solution, as well as a **24/7 support service with guarantee of Telefónica**.



We guarantee the **capacity to scale** the volume of IoT projects easily through **agreements and partnerships with strategic players in the industry**.

EQUIPMENT, TEAMS AND ACHIEVEMENTS

Our teams

- › We have a team specialized in IoT Device product and technology, ready to help you design your IoT solution, large or small, local or global, from any sector or industry, and help you reach its maximum potential.

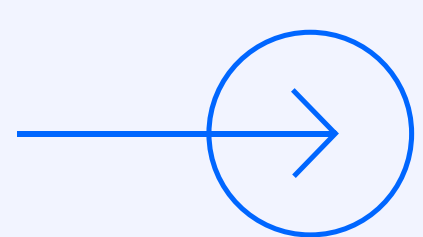
Achievements

- › Extensive catalog of IoT devices from the industry's leading manufacturers.
- › Hundreds of thousands of IoT devices already deployed and in service.
- › Leaders in the Gartner Magic Quadrant for managed IoT connectivity services.
- › Present in +190 countries.

RELATED SERVICES

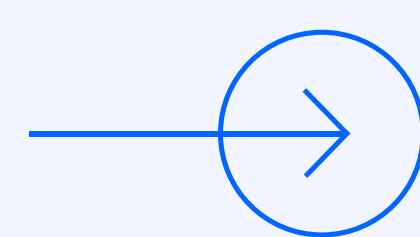
Private Mobile Networks

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.



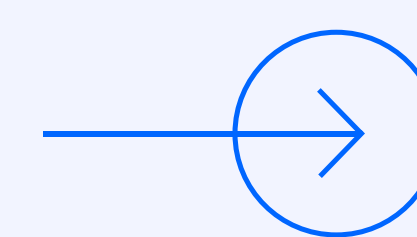
Hybrid Cloud

We drive your growth with multicloud solutions from our partners:

- › AWS by Telefónica Tech
- › Microsoft Azure by Telefónica Tech
- › Google Cloud Platform by Telefónica Tech
- › Oracle Cloud Platform by Telefónica Tech

Additionally, we offer Telefónica Tech Cloud Platform, an integrated Cloud solution covering everything from on-premise to our Data Centers and Edge, with multiple telco connectivity options and local nodes in seven countries.

- › Telefónica Tech Cloud Platform



Contact us to start the digital transformation of your organization.

