Telefónica Tech

DOSSIER OF IOT AND CONNECTIVITY SOLUTIONS AND SERVICES

Connect your business to a more efficient, secure, and sustainable future
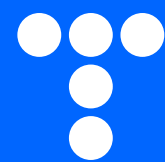
A place called Telefónica Tech

Telefónica Tech drives the potential of technology to transform businesses thanks to its highly diverse team of more than 7,000 exceptionally qualified professionals from over 60 countries. From maximizing the value of data for better decision-making to strengthening the resilience of organizations, contributing to a more sustainable future.

Telefónica Tech is a leading provider of NextGen Tech solutions that has built a differentiated customer journey based on the migration from traditional Communications and IT services to NextGen IT solutions.

Our robust sustainable portfolio, together with high-value professional and managed services, enables Telefónica Tech to support its customers in their digital transformation. From the evolution of their traditional communications and IT, to the implementation of Cyber Security and NaaS solutions, Hybrid Cloud, and optimizing their business processes with Business Applications, IoT and Connectivity, Artificial Intelligence, and Future Workplace services and solutions.

TELEFONICATECH.COM

WE TRANSFORM YOUR BUSINESS THROUGH OUR CYBER SECURITY, CLOUD, IOT, BIG DATA, ARTIFICIAL INTELLIGENCE, AND BLOCKCHAIN SERVICES.

+7,000

HIGHLY QUALIFIED PROFESSIONALS INVOLVED IN DIGITAL PROJECTS.

+50

NATIONALITIES MAKE UP THE MULTICULTURALISM OF OUR TEAM.

+6,500

CERTIFICATIONS CERTIFYING OUR EXPERTISE IN THE TECHNOLOGIES WE WORK WITH.

Telefónica Tech

Who is Telefónica Tech in IoT and Connectivity?

It is a provider of services and solutions that combine the power of managed IoT connectivity with the most advanced capabilities of the Internet of Things to offer intelligent, scalable, and secure solutions that connect the physical world with the digital world. It has an ecosystem of technologies, proprietary platforms such as Kite, and a global network of partners to support you in the deployment, control, and evolution of your IoT solution, adapting to the specific needs of each sector and business model.

+50M
IOT LINES

+10K
B2B CLIENTS

IN INDUSTRY, RETAIL, HEALTHCARE, AND MOBILITY SOLUTIONS

+100
COUNTRIES WHERE WE PROVIDE CONNECTIVITY

+11
YEARS AS LEADERS IN THE GARTNER MAGIC QUADRANT

We have been helping customers like you achieve their business goals through the use of the Internet of Things and IoT connectivity for over a decade. We are experts in digital transformation and in how to apply technology, both to automate and optimize processes and to improve decision-making.

We rely on a multidisciplinary team of the best international experts, whose excellence and leadership are recognized by leading industry analysts, our technology partners, and, most importantly, our customers.

We understand technology as a tool at your service, and this approach, combined with our agnostic vision and our alliances with the main players in the market, allows us to offer you the best IoT and Connectivity solutions according to your specific needs.

Telefónica Tech

IoT and Connectivity Services and Solutions

In a world where millions of pieces of data are generated every second, the ability to connect devices, manage information flows in real time, and convert that data into decisions is key for any organization.

Telefónica Tech designs solutions that integrate the best IoT connectivity to optimize processes, reduce costs, improve sustainability, and enable new business models.

Our technology adapts to your challenges to help you innovate, grow, and make smarter decisions, today and in the future.

Telefónica Tech

IoT & Connectivity | Services and Solutions

IOT CONNECTIVITY
- IoT Connectivity and Kite Platform
- Private Mobile Networks
- IoT Devices
- Asset Control

MOBILITY MANAGEMENT
- Fleet Management
- Asset Tracking
- Mobility Workforce Management

INDUSTRY 4.0
- Private Mobile Networks
- Mobil Robotics
- Computer Vision
- Industrial Management Software
- Remote Operation
- Predictive Maintenance
- Campus Tracking

SMART METERING
- Smart Water Management
- Smart Gas Management

SMART SPACES
- The Brain
- Smart Shelves
- RFID for Retail
- Smart Corporate Spaces
- Digital Signage
- Phygital Store
- Indoor Insights

SMART BUILDING
- Building Management (BMS)
- Electromobility

SMART CITIES
- Air and Noise Quality
- Waste Management
- Smart Parking
- Tourism Management
- Smart Moorings
- Smart Outdoor Lighting

SMART AGRICULTURE
- Smart Irrigation Management
- Precision Agriculture

HEALTH
- Advanced Social Telecare
- Digitization of the Care Process

CONSULTING & PROFESSIONAL SERVICES
- IoT Solution Design and Prototyping Consultancy
- IoT Industrialisation and Operational Consultancy

Navigation Menu (Portfolio Index).

Telefónica Tech

IoT & Connectivity

IoT Connectivity

We drive digital transformation by connecting devices, processes, data, and people in real time. We help you optimize processes, innovate, and scale your business securely and efficiently with leading technologies (5G, LTE-M, NB-IoT, Satellite, among others), the Kite platform, and our multi-sector experience.

Telefónica Tech

IoT Connectivity and Kite Platform   Private Mobile Networks   IoT Devices   Asset Control

IoT & Connectivity | Services and Solutions

IoT Connectivity and Kite Platform

FIND OUT MORE ON OUR WEBSITE

Connect your devices with the best IoT connectivity on the market, and manage them centrally through Kite to achieve complete visibility and total control over all your SIMs, in real time and remotely, from anywhere in the world.

ABOUT THE SERVICE

Telefónica Tech's Kite Platform is a proprietary platform for global IoT connectivity management. It allows real-time, remote control and monitoring of IoT lines, optimizing resources and ensuring the best performance. The platform is not only capable of managing any type of network technology, but its functionalities go beyond mere IoT connectivity management, providing capabilities across all dimensions of the IoT ecosystem to offer a scalable, secure, and global IoT solution.

How do we help you?

- Provision and remote management of IoT lines from a single platform.
- Real-time monitoring of spending, consumption, location, and SIM status.
- Alerts, usage rules, and security policies tailored to each business.
- Advanced analytics with visual dashboards and reports for better decision-making.
- Integration with your systems for unified and seamless management.
- Specialized support for local and international IoT project operations.

WHAT DOES IT ALLOW YOU TO DO?

- To manage the entire lifecycle of your SIMs' IoT connectivity from a single platform.
- To control and monitor data usage, consumption, and activity for each line in real time.
- To scale IoT projects internationally without the need for multiple providers.
- To detect behavior patterns, unwanted usage, fraud, or errors in devices using AI and ML capabilities.
- To ensure communication security and prevent unauthorized access.
- To optimize costs through usage rules and customized alerts.
- To facilitate interoperability in deployments that combine different networks and devices.

BENEFITS

Operational efficiency: Simplifies global management of IoT connectivity.

Cost reduction: Greater control and optimization of data consumption.

International scalability: Agile deployment in any country with a single partner.

Business knowledge and insights: Data-driven decision-making.

Advanced security: End-to-end communications protection.

Complete visibility: Real-time control of the status of each device and line.

Flexibility: Platform adaptable to multiple sectors and use cases.

Telefónica Tech

IOT CONNECTIVITY

• A comprehensive service to take your business a step further, through IoT connectivity, private networks, the Kite connectivity management platform, and devices.

IoT Connectivity and Kite Platform   **Private Mobile Networks**   IoT Devices   Asset Control

Private Mobile Networks

FIND OUT MORE ON OUR WEBSITE

It ensures critical, high-capacity communications in industrial and business environments with its own secure mobile network tailored to your needs.

ABOUT THE SERVICE

Private mobile networks (4G/5G) provide companies with exclusive, secure, and fully managed connectivity. Telefónica Tech designs, deploys, and operates PMN infrastructures adapted to industrial, logistical, and critical environments, guaranteeing low latency, stable coverage, and the highest security levels.

How do we help you?

- We provide consulting and requirements analysis to define the best private network architecture.

- We take care of the design, deployment, and comprehensive operation of the infrastructure.

- We offer managed services with 24/7 proactive monitoring.

- We integrate the PMN with your existing IoT or industrial systems and applications.

- We ensure technological evolution, keeping the network ready to scale in capacity or functionality.

WHAT DOES IT ALLOW YOU TO DO?

- To have a dedicated, secure mobile network that is fully controlled by the organization.

- To guarantee coverage and capacity even in complex environments (campuses, underground areas, industrial warehouses, large areas).

- To prioritize critical application traffic with guaranteed quality of service (QoS).

- To integrate IoT devices, sensors, and industrial equipment with low latency and high reliability.

- To support Industry 4.0 solutions such as robotics, augmented reality, artificial vision, or connected vehicles.

- To reduce dependence on public networks and guarantee the confidentiality of communications.

BENEFITS

Total reliability: Robust network designed for critical applications.

Enhanced security: Exclusive control over users, devices, and traffic.

Improved productivity: Support for new digital and industrial use cases.

Scalability: Possibility of expanding coverage, capacity, and services as the business evolves.

Operational autonomy: Independence from external networks, adapted to each company's strategy.

Cost optimization: Investment adapted to the size and needs of each project.

IoT & Connectivity | Services and Solutions

Telefónica Tech

IoT Connectivity and Kite Platform   Private Mobile Networks   **IoT Devices**   Asset Control

IoT Devices

FIND OUT MORE ON OUR WEBSITE

Boost your business efficiency by connecting your assets to the Internet using our wide range of IoT devices that enable you to capture, transmit, and manage data in real time, in any environment, in a secure and efficient way.

ABOUT THE SERVICE

We offer you a wide range of certified, multi-partner IoT devices (routers, gateways, GPS trackers, etc.). All of them have remote management capabilities and meet the highest standards of security and interoperability.

How do we help you?

- We advise you on choosing the most suitable device for each use case: industry, logistics, smart cities, energy, retail, agriculture, etc.
- We take care of the initial provisioning and configuration.
- We manage the IoT fleet with remote monitoring and updates.
- We offer comprehensive support from pilot to mass deployment.

WHAT DOES IT ALLOW YOU TO DO?

- To securely connect thousands of devices in different locations and monitor and manage their behavior.
- To have a heterogeneous device fleet under unified management for different applications such as mobility, Industry 4.0, smart cities, agriculture, etc.
- To automate processes that reduce operating and maintenance costs.
- To increase security and assist in the recovery of lost or stolen assets by locating them.
- To facilitate global scalability, moving from pilot projects to international deployments without complex reconfigurations.

BENEFITS

Operational agility: Faster deployment of IoT projects.

Cost reduction: Fewer incidents and less complexity in daily operations.

Advanced security: Certified devices with protection against cyber threats.

Flexibility: Interoperability with different manufacturers, networks, and platforms.

Guaranteed scalability: Solutions ready to grow nationally and internationally.

Technological confidence: Devices tested in multiple sectors and business scenarios.

IoT & Connectivity | Services and Solutions

Telefónica Tech

IoT Connectivity and Kite Platform   Private Mobile Networks   IoT Devices   Asset Control

Asset Control

FIND OUT MORE ON OUR WEBSITE

Remotely monitor and manage fixed assets deployed in the field and ensure their availability, security, and performance with a comprehensive IoT solution. The solution combines a ready-to-use device, IoT connectivity embedded in the solution, and an IoT platform in a single service.

ABOUT THE SERVICE

Asset Control is a comprehensive and versatile IoT solution from Telefónica Tech for remote monitoring and management of fixed assets in the field, such as ATMs, coffee machines, refrigerators, and gas installations. Its intuitive interface is designed to ensure optimal performance, allowing you to detect anomalies, schedule maintenance tasks, and generate alerts in the event of unauthorized tampering, ensuring service continuity and quality.

How do we help you?

- We deploy ready-to-use IoT devices that are easy to install and maintain.

- We provide the best IoT connectivity on the market with the latest technologies such as NB-IoT and LTE-M.

- We offer the Asset Control platform (powered by Kite) for remote and centralized asset management.

- We configure rules, alarms, and maintenance notifications.

- We provide real-time reports and interactive dashboards for operations.

WHAT DOES IT ALLOW YOU TO DO?

- To monitor key asset variables: location, movement, temperature, pressure, battery, signal, energy consumption, etc.

- To detect unauthorized movements or environmental conditions outside defined parameters.

- To configure proactive maintenance notifications based on device status.

- To generate historical and current reports on the status of the asset network.

- To visualize the status and location of assets on interactive maps and dashboards.

- To reduce risks of unavailability and improve operational planning.

- To facilitate integration with specific solutions through the API.

BENEFITS

Sign up for the complete IoT solution, without worrying about consumption or excesses.

Process automation: More agile reviews and maintenance.

Guaranteed availability: Less downtime for assets.

Better user experience: Continuity in end customer service.

Cost optimization: More efficient management and fewer incidents.

Greater visibility: Total control of operations in real time.

Sustainability: lower environmental impact thanks to more efficient operations.

IoT & Connectivity | Services and Solutions

Telefónica Tech

IoT & Connectivity

Mobility Management

Optimize your business operations by managing vehicles, assets, and employees on the move in real time. Telefónica Tech solutions allow you to plan, monitor, and control all mobile resources efficiently, securely, and in a scalable way.

Telefónica Tech

Fleet Management   Asset Tracking   Mobility Workforce Management

Fleet Management

FIND OUT MORE ON OUR WEBSITE

Monitor, optimize, and protect your vehicle fleet in real time with an IoT solution that improves operational efficiency and the security of drivers and assets.

ABOUT THE SERVICE

Telefónica Tech's Fleet Management solution integrates geolocation devices, sensors, and IoT connectivity to remotely control vehicle activity.

It allows you to know the location, status, and use of each unit, offering a complete overview that facilitates decision-making and the optimization of routes, consumption, and maintenance.

How do we help you?

- We install and configure location and telemetry devices in each vehicle.

- We offer a centralized platform for monitoring and data analysis.

- We configure alerts for incidents, maintenance, and unauthorized usage patterns.

- We provide specialized support to ensure you get the most out of the solution.

WHAT DOES IT ALLOW YOU TO DO?

- To locate the vehicle fleet in real time and track their routes.

- To analyze fuel consumption and detect potential inefficiencies.

- To optimize routes and delivery times based on operations.

- To schedule preventive maintenance based on usage and mileage.

- To increase security with alerts for improper driving or unauthorized access.

- To integrate the information with logistics and business management systems.

BENEFITS

Greater operational efficiency: Reduced time and costs in fleet management.

Fuel and maintenance savings thanks to detailed control of vehicle use.

Greater security for drivers and assets through constant monitoring.

Better service quality with faster and more reliable deliveries.

Scalability: Solution adaptable to any fleet size or sector.

IoT & Connectivity | Services and Solutions

Telefónica Tech

Fleet Management   Asset Tracking   Mobility Workforce Management

IoT & Connectivity | Services and Solutions

Asset Tracking

FIND OUT MORE ON OUR WEBSITE

Controla la ubicación y el estado de tus activos en movimiento o en reposo, garantizando trazabilidad, seguridad y eficiencia en toda tu cadena de valor.

SOBRE EL SERVICIO

The Asset Tracking solution combines IoT devices with advanced connectivity and a centralized management platform to monitor goods, containers, equipment, and any critical assets.

It allows you to know in real time where your resources are, in what condition they are traveling, and how they are being handled, helping to prevent losses, improve logistics, and optimize processes.

How do we help you?

- We deploy IoT devices adapted to each type of asset and environment.

- We provide NB-IoT, LTE-M, or 5G connectivity to ensure coverage in transit.

- We offer a single platform for real-time management and visualization.

- We configure automatic alerts for incidents such as impacts, unauthorized openings, or route diversions.

- We provide specialized support for integration with your logistics and business systems.

¿QUÉ PERMITE?

- To know the exact location of assets at any time.

- To monitor environmental conditions such as temperature, humidity, or vibrations.

- To detect tampering or unauthorized access.

- To ensure end-to-end traceability in the logistics chain.

- To reduce incidents and improve operations and delivery planning.

- To generate historical reports and dashboards to optimize processes and audits.

BENEFICIOS

Total visibility of asset movement and status.

Greater security thanks to early incident detection.

Logistical efficiency with optimized routes and deliveries.

Reduced costs due to loss, shrinkage, or damage to goods.

Trust and transparency in relationships with customers and partners.

Scalability for all types of sectors: Logistics, retail, industry, or healthcare.

Telefónica Tech

Fleet Management   Asset Tracking   Mobility Workforce Management

IoT & Connectivity | Services and Solutions

Mobility Workforce Management

FIND OUT MORE ON OUR WEBSITE

Optimize the productivity and security of your mobile teams with IoT tools that enable you to plan, monitor, and coordinate their activity in real time.

ABOUT THE SERVICE

The Mobility Workforce Management solution is designed for companies with field workers such as technicians, delivery personnel, or maintenance personnel who need visibility and control over their daily operations.

It integrates mobile devices, IoT connectivity, and a centralized platform that allows you to monitor employee location, tasks, and security, improving planning and reducing downtime.

How do we help you?

- Geolocation and real-time activity tracking tools.

- Mobile applications to manage routes, work orders, and reports.

- Centralized portal to monitor and coordinate teams on the move.

- Alerts and notifications in case of incidents or activity deviations.

- Specialized support for integration with your management systems.

WHAT DOES IT ALLOW YOU TO DO?

- To know the location and availability of each employee in real time.

- To plan routes and assign tasks more efficiently.

- To digitalize reporting processes and work orders.

- To improve security with emergency alerts or incidents in the field.

- To reduce downtime and optimize staff performance.

- To integrate information into corporate personnel management or logistics systems.

BENEFITS

Increased productivity thanks to task optimization and reduced travel times.

Enhanced employee security through monitoring and alerts.

Improved customer experience through faster and more reliable services.

Process digitalization with fewer errors and less paper usage.

Reduced operating costs in transportation, downtime, and resources.

Scalability for all types of organizations with distributed teams.

Telefónica Tech

Industry 4.0

Transform your industrial plant with IoT solutions that connect machines, processes, and people to improve productivity, reduce costs, and ensure more secure and smarter operations.

Private Mobile Networks | Computer Vision | Remote Operation | Campus Tracking | Mobil Robotics | Industrial Management Software | Predictive Maintenance

IoT & Connectivity | Services and Solutions

Private Mobile Networks

FIND OUT MORE ON OUR WEBSITE

Ensure critical, high-capacity communications in industrial and business environments with your own secure mobile network adapted to your needs.

ABOUT THE SERVICE

Private mobile networks (4G/5G) provide companies with exclusive, secure, and fully managed connectivity. Telefónica Tech designs, deploys, and operates PMN infrastructures tailored to industrial, logistical, and critical environments, ensuring low latency, stable coverage, and the highest level of security.

How do we help you?

- We provide consulting and requirements analysis to define the best private network architecture.

- We take care of the design, deployment, and comprehensive operation of the infrastructure.

- We offer managed services with 24/7 proactive monitoring.

- We integrate the PMN with your existing IoT or industrial systems and applications.

- We ensure technological evolution, keeping the network ready to scale in capacity or functionality.

WHAT DOES IT ALLOW YOU TO DO?

- To have a dedicated, secure mobile network that is fully controlled by the organization.

- To guarantee coverage and capacity even in complex environments (campuses, underground areas, industrial warehouses, large areas).

- To prioritize critical application traffic with guaranteed quality of service (QoS).To integrate IoT devices, sensors, and industrial equipment with low latency and high reliability.

- To support Industry 4.0 solutions such as robotics, augmented reality, artificial vision, or connected vehicles.

- To reduce dependence on public networks and guarantee the confidentiality of communications.

BENEFITS

Total reliability: Robust network designed for critical applications.

Enhanced security: Exclusive control over users, devices, and traffic.

Improved productivity: Support for new digital and industrial use cases.

Scalability: Possibility of expanding coverage, capacity, and services as the business evolves.

Operational autonomy: Independence from external networks, adapted to each company's strategy.

Cost optimization: Investment tailored to the size and needs of each project.

Telefónica Tech

Private Mobile Networks   **Computer Vision**   Remote Operation   Campus Tracking   Mobil Robotics   Industrial Management Software   Predictive Maintenance

IoT & Connectivity | Services and Solutions

Computer Vision

FIND OUT MORE ON OUR WEBSITE

Apply artificial intelligence to images of your industrial environment to automate processes, improve quality, and enhance security in your operations.

ABOUT THE SERVICE

Telefónica Tech's Computer Vision solution integrates cameras, artificial intelligence algorithms, and edge or cloud processing to analyze images in real time.

It allows you to detect incidents, control access, guarantee production quality, and improve facility security, all with a flexible solution that can be scaled to different industrial scenarios.

How do we help you?

- Cameras and IoT devices adapted to each environment.

- Computer vision algorithms trained for specific use cases.

- Data processing at the edge or in the cloud, depending on requirements.

- Integration with industrial and security management systems.

- Consulting, deployment, and specialized support throughout the entire lifecycle.

WHAT DOES IT ALLOW YOU TO DO?

- To inspect products on production lines to detect defects in real time.

- To monitor plant security by detecting intruders, PPE, or unauthorized access.

- To control capacity and personnel movements in critical areas.

- To generate automatic alerts for visual anomalies.

- To obtain reports and visual metrics for audits and process improvement.

- To easily scale the solution to new use cases or installations.

BENEFITS

Higher production quality thanks to early fault detection.

Greater security for people and assets with smart real-time monitoring.

Reduced costs through less waste and greater process efficiency.

Automation of previously manual supervision and control tasks.

Scalability to adapt to different industries and industrial scenarios.

Competitive innovation by integrating AI into key business processes.

Telefónica Tech

IoT & Connectivity | Services and Solutions

Remote Operation

FIND OUT MORE ON OUR WEBSITE

Control and monitor industrial machines, processes, and systems in real time from any location, ensuring continuity, security, and efficiency in your operation.

ABOUT THE SERVICE

Telefónica Tech's Remote Operation solution combines IoT, advanced connectivity, and secure platforms to enable remote management of equipment and facilities.

It is designed for environments where on-site monitoring is complex or expensive, offering companies the ability to operate their assets centrally and without interruption.

How do we help you?

- We deploy devices and sensors for remote monitoring of industrial assets.

- We provide secure connectivity (5G, private networks, NB-IoT, LTE-M) tailored to each scenario.

- We offer remote control platforms with real-time access.

- We configure automatic alerts for incidents or critical failures.

- We provide specialized support and managed services to ensure operational continuity.

WHAT DOES IT ALLOW YOU TO DO?

- To operate machinery, systems, and processes remotely and securely.

- To reduce the need for technical personnel to travel.

- To access key data on the status and operation of equipment in real time.

- To immediately configure corrective actions in the event of incidents.

- To ensure production continuity in distributed or hard-to-reach environments.

- To optimize maintenance planning through continuous monitoring.

BENEFITS

Greater efficiency in managing operations without the need for constant physical presence.

Reduced costs associated with travel and downtime.

Increased security by minimizing worker exposure in hazardous environments.

Ensured continuity with constant monitoring and control of critical processes.

Flexibility to operate facilities in multiple locations.

Competitiveness by enabling more agile and innovative operating models..

Telefónica Tech

Private Mobile Networks   Computer Vision   Remote Operation   **Campus Tracking**   Mobil Robotics   Industrial Management Software   Predictive Maintenance

Campus Tracking

FIND OUT MORE ON OUR WEBSITE

Monitor the location of people, vehicles, and assets within your plant or industrial site in real time, improving security and operational efficiency.

ABOUT THE SERVICE

Telefónica Tech's Campus Tracking solution uses indoor and outdoor geolocation IoT technologies to provide total visibility of activity in industrial, logistics, and corporate environments.

It allows you to know the position and status of critical resources in complex premises, facilitating access management, process coordination, and incident prevention.

How do we help you?

- We deploy IoT sensors and devices tailored to each asset or person.

- We integrate advanced location technologies (GPS, RFID, WiFi, BLE, UWB) according to the environment.

- We provide a centralized platform for viewing and analyzing information.

- We configure security alerts, unauthorized entries, and restricted areas.

- We offer specialized support and managed services to ensure system continuity.

WHAT DOES IT ALLOW YOU TO DO?

- To locate vehicles, machinery, equipment, and personnel on campus in real time.

- To improve security with access control and monitoring of critical areas.

- To detect incidents and respond quickly to emergencies.

- To optimize logistics and production processes by tracking resources.

- To generate historical reports on the movement and use of assets.

- To facilitate decision-making with accurate data on campus activity.

BENEFITS

Greater security for employees, visitors, and assets with in the facilities.

Operational efficiency thanks to better coordination of processes and resources.

Reduction of costs associated with losses, inefficiencies, or equipment downtime.

Total visibility of the campus with real-time information and historical data.

Flexibility to adapt to different sectors: Industry, logistics, education, energy.

Scalability to expand coverage or add new use cases.

IoT & Connectivity | Services and Solutions

Telefónica Tech

IoT & Connectivity | Services and Solutions

Mobil Robotics

FIND OUT MORE ON OUR WEBSITE

Automate internal transport and logistics in your plant with autonomous mobile robots to increase efficiency, reduce costs, and improve security.

ABOUT THE SERVICE

Telefónica Tech's Mobile Robotics allows autonomous robots (AMR/AGV) to be incorporated into industrial and logistics environments to carry out material and product transport tasks within facilities.

The robots adapt to their environment, avoid obstacles, and optimize routes, ensuring efficient and continuous operation thanks to IoT connectivity and artificial intelligence.

How do we help you?

- We analyze internal processes to identify opportunities for automation.

- We deploy mobile robots adapted to the needs of each environment.

- We integrate the robots with your plant and logistics management systems.

- We configure connectivity (5G, WiFi, RMP) to ensure performance and reliability.

- We provide specialized support and maintenance to ensure operational continuition.

WHAT DOES IT ALLOW YOU TO DO?

- To automate the transport of materials, parts, and products within the plant.

- To reduce travel times and increase productivity.

- To operate in changing environments with autonomous and safe navigation.

- To improve security by reducing manual handling and accident risks.

- To integrate robots with logistics and production processes.

- To easily scale the number of units based on demand.

BENEFITS

Operational efficiency: Reduction of time and optimization of internal resources.

Cost reduction by minimizing manual tasks and human error.

Workplace security by reducing risks associated with manual transport.

Flexibility to adapt to different sectors and plant sizes.

Scalability to expand the system with new robots or use cases.

Competitive innovation by incorporating advanced automation into internal logistics.

Telefónica Tech

IoT & Connectivity | Services and Solutions

Industrial Management Software

FIND OUT MORE ON OUR WEBSITE

Digitalize and optimize your plant's operations with software solutions that connect processes, equipment, and people, facilitating real-time decision-making.

ABOUT THE SERVICE

Telefónica Tech's Industrial Management Software integrates information from machinery, sensors, and production systems into a single digital platform.

It allows you to monitor processes, control equipment efficiency, and manage production centrally, facilitating continuous improvement and reducing operating costs.

How do we help you?

- We implement industrial software solutions tailored to your processes (MES, SCADA, industrial ERP).

- We integrate data from sensors and IoT devices into a unified environment.

- We offer real-time dashboards to monitor production and performance.

- We configure automatic alerts and advanced analytics to detect incidents or inefficiencies.

- We provide comprehensive support to ensure operational continuity and the evolution of the solution.

WHAT DOES IT ALLOW YOU TO DO?

- To centralize the management of industrial processes on a single platform.

- To monitor the status of machines, production lines, and resources in real time.

- To analyze key performance indicators (KPIs) to improve efficiency.

- To automate workflows and repetitive tasks.

- To integrate the software with other corporate systems (ERP, CRM, logistics).

- To facilitate continuous improvement with historical data and advanced analytics.

BENEFITS

Greater operational efficiency with digitalized and centralized processes.

Cost reduction thanks to early detection of inefficiencies.

Improved productivity by optimizing resources and production times.

Flexibility to adapt to different sectors and plant models.

Total visibility with real-time data for decision-making.

Scalability to evolve towards a digital and smart factory.

Telefónica Tech

IoT & Connectivity | Services and Solutions

Predictive Maintenance

FIND OUT MORE ON OUR WEBSITE

Anticipate failures and optimize the useful life of your machinery with IoT solutions and advanced analytics that allow you to predict incidents before they even occur.

ABOUT THE SERVICE

Telefónica Tech's Predictive Maintenance solution combines IoT sensors, data analysis platforms, and artificial intelligence algorithms to monitor the status of equipment and systems in real time.

This visibility makes it possible to detect patterns of wear or anomalies that anticipate breakdowns, reducing costs and avoiding unexpected production stoppages.

How do we help you?

- We install IoT sensors to capture key data (vibration, temperature, pressure, energy consumption).

- We deploy advanced analytics platforms that process information in real time.

- We configure AI-based predictive models tailored to your machinery and environment.

- We integrate the solution with your industrial systems (MES, SCADA, ERP).

- We provide consulting, support, and managed services throughout the entire lifecycle.

WHAT DOES IT ALLOW YOU TO DO?

- To monitor the status and performance of machinery in real time.

- To detect anomalies and anticipate failures before they impact production.

- To optimize maintenance plans based on actual data rather than estimates.

- To reduce unplanned downtime.

- To improve the availability and service life of equipment.

- To generate historical reports for the continuous improvement of industrial processes.

BENEFITS

Reduction in operating costs by avoiding unplanned downtime.

Increased productivity thanks to operational continuity.

Extended service life of machinery and industrial assets.

Improved security by anticipating failures that can lead to risks.

Optimization of resources by scheduling maintenance only when necessary.

Innovation by integrating artificial intelligence and advanced analytics into industrial processes.

Telefónica Tech

IoT & Connectivity

Smart Metering

Digitalize the management of water, gas, and other utilities with IoT solutions that enable real-time consumption monitoring, improved efficiency, and reduced operating costs.

Telefónica Tech

Smart Water Management   Smart Gas Management

Smart Water Management

FIND OUT MORE ON OUR WEBSITE

Monitor and optimize water consumption and distribution in real time with an IoT solution that improves efficiency, reduces costs, and promotes sustainability.

ABOUT THE SERVICE

Telefónica Tech's Smart Water Management solution integrates IoT devices, advanced connectivity, and analytics platforms to monitor consumption and detect incidents in the network.

It provides operators and companies with accurate information to manage distribution, detect leaks, and optimize the use of water resources.

How do we help you?

- We install smart sensors and meters adapted to each water network.

- We provide wide-range IoT connectivity (NB-IoT, LTE-M, 5G) to ensure data transmission.

- We offer centralized platforms for real-time consumption visualization and analysis.

- We configure automatic alarms for leaks, abnormal consumption, or incidents.

- We provide specialized support and managed services throughout the entire life cycle.

WHAT DOES IT ALLOW YOU TO DO?

- To accurately measure water consumption in real time.

- To detect leaks or fraud in the distribution network.

- To optimize infrastructure planning and maintenance.

- To generate historical reports and dashboards for audits and regulatory control.

- To promote more sustainable use of water resources.

- To integrate information with corporate management systems.

BENEFITS

Operational efficiency thanks to reduced leaks and uncontrolled consumption.

Reduced costs in maintenance and distribution.

Sustainability by promoting more rational water use.

Greater reliability with accurate real-time data.

Transparency and trust towards customers and regulatory bodies.

Scalability to extend the solution to different areas or cities.

IoT & Connectivity | Services and Solutions

Telefónica Tech

Smart Water Management

Smart Gas Management

Smart Gas Management

Digitalize gas consumption measurement and control with an IoT solution that improves operational efficiency, increases security, and ensures a more sustainable supply.

FIND OUT MORE ON OUR WEBSITE

ABOUT THE SERVICE

Telefónica Tech's Smart Gas Management solution combines smart meters, IoT connectivity, and management platforms to monitor consumption and detect anomalies in real time.

It optimizes distribution, prevents leaks, and provides customers and operators with accurate information for more efficient and secure management.

How do we help you?

- We install smart meters and sensors adapted to different environments.

- We guarantee connectivity through NB-IoT, LTE-M, or 5G, depending on the scenario.

- We offer a centralized platform to view and analyze consumption data.

- We configure automatic alarms for early detection of leaks or incidents.

- We support you with managed services and support to ensure operational continuity.

WHAT DOES IT ALLOW YOU TO DO?

- To accurately measure gas consumption in real time.

- To detect leaks, fraud, or abnormal usage in the network.

- To improve the security of facilities and customers.

- To optimize preventive maintenance of infrastructure.

- To generate reports and dashboards for regulatory audits and business analysis.

- To integrate information into corporate energy management systems.

BENEFITS

Greater security thanks to early detection of leaks and incidents.

Cost optimization by reducing losses and improving distribution efficiency.

Sustainability through more responsible and controlled consumption.

Reliability with real-time data and accurate measurements.

Transparency towards users and regulatory bodies.

Scalability adaptable to companies, municipalities, or large infrastructures.

Telefónica Tech

IoT & Connectivity

Smart Spaces

Turn your physical environments into connected, dynamic spaces with IoT solutions that enhance the customer experience, optimize management, and unlock new business opportunities.

Telefónica Tech

IoT & Connectivity | Services and Solutions

The Brain

FIND OUT MORE ON OUR WEBSITE

Centralize the management of your connected spaces on a single smart platform that integrates data, systems, and devices to optimize decision-making.

ABOUT THE SERVICE

Telefónica Tech's The Brain is a platform that brings together info from all the IoT solutions in one place: sensors, cameras, screens, background music, and proximity marketing.

It gives you a real-time overview and lets you manage all services from one spot, giving you control, efficiency, and the ability to plan ahead.

How do we help you?

- We integrate information from various Telefónica products into a single platform and can also integrate third-party information.

- We configure customizable dashboards for centralized monitoring.

- We provide advanced analytics to detect patterns and trends.

- We enable process automation based on real-time data.

- We provide support, continuous development, and managed services.

WHAT DOES IT ALLOW YOU TO DO?

- To have a unified view of all connected devices and systems.

- To monitor and manage the operation of smart spaces in real time.

- To generate advanced analytics and predictions from data.

- To coordinate different solutions from a single point.

- To facilitate strategic decision-making based on integrated information.

- To scale management to multiple locations or smart cities.

BENEFITS

Centralized control of all IoT systems on a single platform.

Greater efficiency by coordinating and automating processes.

Cost reduction through resource and maintenance optimization.

Global visibility for faster and more accurate decisions.

Flexibility by integrating diverse solutions into a single environment.

Scalability to grow with new solutions or locations.

Telefónica Tech

RFID for Retail

FIND OUT MORE ON OUR WEBSITE

Optimize inventory management and enhance the shopping experience with an IoT solution based on RFID technology that provides traceability, control, and efficiency in stores.

ABOUT THE SERVICE

Telefónica Tech's RFID solution for retail allows you to automatically identify and track products using smart tags and RFID readers.

It facilitates real-time stock control, loss reduction, and optimization of replenishment processes, while promoting a more agile and personalized customer experience.

How do we help you?

- We implement RFID tags and antennas tailored to your product catalog.

- We provide integrated management platforms to control inventory and stock.

- We configure alert systems to detect losses or discrepancies.

- We integrate the solution with your management systems (ERP, CRM, e-commerce).

- We provide consulting, support, and managed services to ensure successful deployment.

WHAT DOES IT ALLOW YOU TO DO?

- To monitor the inventory of each store or warehouse in real time.

- To reduce losses due to errors, theft, or stock discrepancies.

- To optimize replenishment and internal logistics processes.

- To improve the customer experience with greater product availability.

- To generate reports and dashboards for audits and sales analysis.

- To integrate physical inventory with digital sales channels.

BENEFITS

Greater operational efficiency in stock and inventory management.

Reduced losses thanks to real-time traceability.

More sales due to improved product availability in stores.

Improved customer experience with faster, more personalized processes.

Transparency and control throughout the supply chain.

Scalability to extend the solution to multiple stores and channels.

IoT & Connectivity | Services and Solutions

Telefónica Tech

IoT & Connectivity | Services and Solutions

Digital Signage

FIND OUT MORE ON OUR WEBSITE

Connect with your customers more effectively through personalized digital content in real time, improving their experience and boosting your sales.

ABOUT THE SERVICE

Telefónica Tech's Dynamic Marketing solution integrates digital screens, sensors, and data analytics to display content that is tailored to each customer's profile, behavior, or context.

It allows you to create more impressive campaigns and measure their effectiveness in real time, transforming in-store communication into an active tool for customer loyalty and sales.

How do we help you?

- We install digital devices and screens in your commercial spaces.

- We configure dynamic and customizable content management systems.

- We integrate sensors and artificial intelligence to segment and tailor messages.

- We offer analytics tools to measure the interaction and impact of each campaign.

- We provide consulting and support to design and execute effective strategies.

WHAT DOES IT ALLOW YOU TO DO?

- To personalize messages and content based on the customer and their context.

- To increase visual impact and appeal at the point of sale.

- To measure the effectiveness of digital campaigns in real time.

- To adapt promotions quickly based on demand.

- To generate interactive experiences that increase loyalty.

- To scale the solution to different stores or communication channels.

BENEFITS

Greater connection with customers through more relevant and personalized messages.

Increased sales by promoting real-time promotions and offers.

Campaign optimization thanks to instant results measurement.

Flexibility to adapt messages and content as needed.

Marketing innovation with dynamic and digital in-store experiences.

Scalability to replicate campaigns across multiple locations.

Telefónica Tech

The Brain   RFID for Retail   Digital Signage   **Indoor Insights**   Smart Shelves   Smart Corporate Spaces   Phygital Store

Indoor Insights

FIND OUT MORE ON OUR WEBSITE

Get real-time information on the behavior and profiling of indoor visitors to optimize space management and improve the user experience.

ABOUT THE SERVICE

Telefónica Tech's Indoor Insights solution combines IoT sensors, advanced analytics, and data visualization to analyze people's behavior in enclosed spaces and obtain business analytics.

It provides insight into traffic patterns, movement flows, and dwell times, providing key information to optimize space layout and design personalized customer experiences.

How do we help you?

- We deploy sensors and indoor data analytics technologies.

- We offer analytics platforms that convert data into useful and visual information.

- We configure customized dashboards for each space (retail, offices, events, airports).

- We integrate the solution with business and operations management systems.

- We provide consulting and support to ensure that the data is put to good use.

WHAT DOES IT ALLOW YOU TO DO?

- To know the levels of footfall in real time.

- To analyze movement flows and dwell times in specific areas.

- To optimize the layout of products, furniture, and signage.

- To measure the impact of campaigns, promotions, or events.

- To identify areas of greatest interest or least use.

- To scale the solution to different spaces and locations.

BENEFITS

Total visibility of customer behavior in enclosed spaces.

Better decision-making based on real data on footfall and movements.

Optimization of space to improve efficiency and profitability.

Greater customer satisfaction thanks to smoother, more personalized experiences.

Cost reduction through better use of resources and infrastructure.

Scalability to apply the solution in different sectors and locations.

IoT & Connectivity | Services and Solutions

Telefónica Tech

IoT & Connectivity | Services and Solutions

Smart Shelves

FIND OUT MORE ON OUR WEBSITE

Manage your inventory in real time with connected shelves that automatically detect available stock and enhance the in-store shopping experience.

ABOUT THE SERVICE

Telefónica Tech's Smart Shelves integrate IoT sensors, electronic tags, and advanced connectivity to always monitor product levels on shelves.

They enable automated restocking, reduce losses due to stock shortages, and provide dynamic information to customers, connecting internal management with the in-store experience.

How do we help you?

- We install IoT sensors and devices that detect the weight or presence of products on shelves.

- We integrate the information with your inventory and logistics systems.

- We set up automatic alerts for immediate replenishment of items.

- We incorporate electronic tags and dynamic displays to improve customer information.

- We provide support and managed services to ensure system continuity.

WHAT DOES IT ALLOW YOU TO DO?

- We install IoT sensors and devices that detect the weight or presence of products on shelves.

- We integrate the information with your inventory and logistics systems.

- We set up automatic alerts for immediate replenishment of items.

- We incorporate electronic tags and dynamic displays to improve customer information.

- We provide support and managed services to ensure system continuity.

BENEFITS

Greater operational efficiency by automating stock management.

Reduction in losses due to breakages or inventory errors.

Better shopping experience with real-time updated information.

Increased sales thanks to greater product availability.

Logistics optimization with accurate consumption and replenishment data.

Scalability to extend the solution to multiple stores and formats.

Telefónica Tech

The Brain   RFID for Retail   Digital Signage   Indoor Insights   Smart Shelves   Smart Corporate Spaces   Phygital Store

Smart Corporate Spaces

FIND OUT MORE ON OUR WEBSITE

Transform your offices and general spaces into connected, efficient environments that enhance the employee experience and optimize resource management.

ABOUT THE SERVICE

Telefónica Tech's Smart Corporate Spaces solution combines IoT, data analytics, and management platforms to monitor and optimize the use of workspaces and high-traffic areas.

It provides real-time information on the occupancy of rooms, desks, and resources, facilitating a flexible, sustainable environment focused on the well-being of employees and users.

How do we help you?

- We deploy sensors to monitor the occupancy and use of office spaces.

- We provide centralized platforms for resource booking and management.

- We integrate climate control, lighting, and energy solutions into a smart environment.

- We configure dashboards and advanced analytics to improve facility efficiency.

- We offer support and managed services to ensure the solution's performance.

WHAT DOES IT ALLOW YOU TO DO?

- To monitor room and workstation occupancy in real time.

- To optimize resource and infrastructure management in offices and high-traffic spaces.

- To facilitate digital booking of spaces and equipment.

- To improve sustainability through more efficient energy use.

- To design more flexible and collaborative workspaces.

- To generate reports and usage indicators for strategic decision-making.

BENEFITS

Efficiency in management by optimizing resources and operating costs.

Better employee experience with more comfortable, flexible, and collaborative spaces.

Sustainability by reducing energy consumption.

Real-time visibility on the use of facilities and resources.

Flexibility to adapt spaces to new ways of working.

Scalability to extend the solution to multiple locations or buildings.

IoT & Connectivity | Services and Solutions

Telefónica Tech

IoT & Connectivity | Services and Solutions

Phygital Store

FIND OUT MORE ON OUR WEBSITE

Integrate both physical and digital worlds at your points of sale to deliver innovative experiences that increase customer satisfaction and business opportunities.

ABOUT THE SERVICE

Telefónica Tech's Phygital Store combines IoT technologies, data analytics, and digital tools to transform the in-store experience.

It allows you to personalize customer relationships, connect physical inventory with online channels, and create dynamic spaces where data drives business decisions.

How do we help you?

- We design and implement solutions that integrate IoT devices, sensors, and interactive displays.

- We connect physical inventory systems with e-commerce and CRM.

- We offer analytics tools to better understand customers and their behavior.

- We configure immersive and personalized experiences at the point of sale.

- We provide support and managed services to ensure the continuity of the solution.

WHAT DOES IT ALLOW YOU TO DO?

- To connect physical and digital inventory for an omnichannel experience.

- To personalize offers and promotions based on customer behavior.

- To create interactive and immersive spaces in-store.

- To generate key information about purchasing habits and consumption patterns.

- To facilitate new payment methods and streamlined purchasing processes.

- To scale the experience to different points of sale.

BENEFITS

A unique experience that combines the best of the physical and digital environments.

Greater customer loyalty by offering personalized and engaging experiences.

Increased sales through targeted promotions and omnichannel marketing.

Optimized management by connecting inventory and customer data.

Innovation in retail to stand out from the competition.

Scalability to extend the phygital experience to multiple stores.

Telefónica Tech

Smart Buildings

Integrate IoT solutions that connect and automate energy, mobility, and maintenance management in your buildings, improving operational efficiency, sustainability, and user experience.

Building Management (BMS)   Electromobility

Building Management (BMS)

FIND OUT MORE ON OUR WEBSITE

Optimize the performance of your facilities with a smart building management system (BMS) that integrates climate control, lighting, energy, and security into a single platform.

ABOUT THE SERVICE

Telefónica Tech's Building Management Service (BMS) connects sensors, IoT devices, and critical systems in facilities to centralize their control in real time.

It allows for the automation of air conditioning, lighting, and energy consumption, improving operational efficiency, sustainability, and occupant comfort.

How do we help you?

- We install sensors and IoT devices to monitor the status of buildings.

- We offer centralized management platforms with real-time dashboards.

- We configure process automation (air conditioning, lighting, energy).

- We integrate the solution with security and energy efficiency systems.

- We provide support, maintenance, and managed services.

WHAT DOES IT ALLOW YOU TO DO?

- To monitor and control building systems in real time.

- To reduce energy consumption through intelligent automation.

- To improve sustainability with optimized resource management.

- To increase facility security with centralized control.

- To facilitate the well-being and comfort of occupants.

- To generate reports for audits and continuous improvement.

BENEFITS

Operational efficiency by centralizing the management of all systems.

Energy savings with reduced costs and environmental footprint.

Better user experience in more comfortable and secure buildings.

Real-time visibility for agile and accurate decisions.

Flexibility to adapt the solution to different types of buildings.

Scalability to extend the BMS to multiple locations or campuses.

IoT & Connectivity | Services and Solutions

Telefónica Tech

Building Management (BMS) **Electromobility**

Electromobility

Drive the transition to sustainable mobility with IoT solutions that facilitate the management of electric vehicle charging points in buildings and corporate spaces.

FIND OUT MORE ON OUR WEBSITE

ABOUT THE SERVICE

Telefónica Tech's Electromobility solution integrates smart charging points, IoT connectivity, and centralized management platforms to monitor and optimize infrastructure use.

It allows you to control consumption, plan charger availability, and offer safe, efficient, and sustainable charging services for employees, customers, or visitors.

How do we help you?

- We install and manage connected charging points tailored to each building.

- We provide centralized platforms for remote monitoring and control.

- We configure reservation and charging shift management systems.

- We integrate the solution with energy efficiency and smart building systems.

- We provide support, maintenance, and managed services.

WHAT DOES IT ALLOW YOU TO DO?

- To monitor the status and availability of each charging point in real time.

- To control energy consumption and optimize load distribution.

- To facilitate user management through digital reservations and payments.

- To offer secure and reliable charging services in corporate buildings.

- To integrate charging into sustainability and energy efficiency strategies.

- To scale the solution to new locations or charger networks.

BENEFITS

Sustainability by promoting electric mobility and reducing the carbon footprint.

Energy efficiency thanks to intelligent consumption management.

User comfort with digital reservation and control systems.

Total visibility of the charging infrastructure in real time.

Security and reliability in the management of critical points.

Scalability to extend the infrastructure to different buildings or locations.

IoT & Connectivity | Services and Solutions

Telefónica Tech

Smart Cities

Transform urban management with IoT solutions that improve mobility, sustainability, and public services, creating more efficient, secure, and livable environments for citizens.

IoT & Connectivity | Services and Solutions

Air and Noise Quality

FIND OUT MORE ON OUR WEBSITE

Monitor the city's environmental quality in real time to improve citizen health and support decision-making in urban sustainability.

ABOUT THE SERVICE

Telefónica Tech's Air and Noise Quality solution deploys IoT sensors and analysis platforms that measure atmospheric pollutants and noise levels in different urban areas.

The information collected facilitates the design of more effective environmental policies, helps comply with regulations, and provides transparent data to citizens.

How do we help you?

- We install IoT sensors to continuously measure air quality and noise parameters.

- We offer centralized platforms with real-time maps and reports.

- We configure alert systems for when critical thresholds are exceeded.

- We integrate the data with municipal systems and citizen applications.

- We provide you with support, maintenance, and managed services.

WHAT DOES IT ALLOW YOU TO DO?

- To measure pollutants such as CO_2, NO_2, and particulate matter in real time.

- To monitor noise levels in sensitive areas (school zones, residential areas, leisure areas).

- To facilitate the creation of dynamic environmental maps.

- To anticipate mitigation measures in the event of pollution episodes.

- To provide transparent information to citizens and regulatory bodies.

- To scale the system to different areas and cities.

BENEFITS

Greater sustainability thanks to policies based on real data.

Protection of citizens' health against pollutants and noise.

Regulatory compliance with reliable and certified measurements.

Public trust through transparent and accessible information.

Agile decision-making with real-time data for local authorities.

Scalability to extend the service to the entire city or regional network.

Telefónica Tech

Air and Noise Quality   Smart Parking   Smart Mooring   Smart Outdoor Lighting   Waste Management   Tourism Management

IoT & Connectivity | Services and Solutions

Smart Parking

FIND OUT MORE ON OUR WEBSITE

Optimize urban mobility and enhance the driver experience with an IoT solution that allows for the efficient location and management of parking spaces.

ABOUT THE SERVICE

Telefónica Tech's Smart Parking solution uses IoT sensors, advanced connectivity, and digital platforms to monitor parking space occupancy in real time.

It allows drivers to easily locate available parking and enables local governments to better manage urban resources, reducing traffic and pollutant emissions.

How do we help you?

- We install sensors that detect parking space occupancy.

- We offer digital platforms with real-time maps and applications.

- We configure dynamic guidance systems to free spaces.

- We integrate the solution with municipal systems and citizen apps.

- We provide support, maintenance, and managed services.

WHAT DOES IT ALLOW YOU TO DO?

- To know the occupancy of parking spaces in real time.

- To guide drivers to available spaces using apps or dynamic signage.-To reduce the time spent searching for parking.

- To decrease urban traffic and pollutant emissions.

- To facilitate planning and control by local authorities.

- To scale the solution to public and private parking lots or regulated areas.

BENEFITS

Better citizen experience by reducing the time and stress involved in finding parking.

Reduction in traffic and emissions thanks to more efficient mobility.

Optimization of municipal resources in the management of parking spaces and areas.

Greater sustainability with less pollution in urban areas.

Reliability with real-time, accurate information.

Scalability to extend the system to the entire city or metropolitan areas.

Telefónica Tech

Air and Noise Quality   Smart Parking   **Smart Moorings**   Smart Outdoor Lighting   Waste Management   Tourism Management

IoT & Connectivity | Services and Solutions

Smart Moorings

FIND OUT MORE ON OUR WEBSITE

Digitally and efficiently manage marinas and fishing ports with an IoT solution that monitors mooring occupancy and improves the experience for users and managers.

ABOUT THE SERVICE

Telefónica Tech's Smart Moorings solution integrates IoT sensors, advanced connectivity, and digital platforms to monitor the availability of moorings in ports in real time.

It facilitates operational management, occupancy planning, and the provision of additional services, bringing efficiency and sustainability to port facilities.

How do we help you?

- We install sensors to detect the occupancy of each mooring.

- We provide digital platforms for centralized monitoring.

- We configure online reservation and availability management systems.

- We integrate the solution with mobile applications and port management systems.

WHAT DOES IT ALLOW YOU TO DO?

- To monitor the availability of moorings in real time.

- To facilitate digital booking and management for users and managers.

- To reduce waiting times and optimize port occupancy.

- To generate reports and usage statistics for decision-making.

- To improve security through traceability and access control.

- To scale the solution to different ports and types of moorings.

BENEFITS

Greater operational efficiency in port facility management.

Better user experience with digital reservations and real-time availability.

Resource optimization by maximizing berth occupancy.

Greater security thanks to monitoring and access control.

Sustainability with more rational management of port resources.

Scalability to replicate the solution in different ports and locations.

Telefónica Tech

Air and Noise Quality   Smart Parking   Smart Moorings   **Smart Outdoor Lighting**   Waste Management   Tourism Management

Smart Outdoor Lighting

FIND OUT MORE ON OUR WEBSITE

Modernize urban lighting with an IoT solution that allows you to control, automate, and optimize the energy consumption of public lighting in real time.

ABOUT THE SERVICE

Telefónica Tech's Smart Outdoor Lighting solution integrates LED lighting, presence sensors, and management platforms that allow remote control of lighting intensity and operation.

It contributes to energy efficiency, reduces maintenance costs, and improves street security by adapting lighting to the real needs of each environment.

How do we help you?

- We install smart lighting with IoT connectivity.

- We configure centralized platforms for remote monitoring and control.

- We incorporate motion and ambient light sensors to optimize consumption.

- We automate lighting schedules and scenarios according to each area.

- We offer support, maintenance, and end-to-end managed services.

WHAT DOES IT ALLOW YOU TO DO?

- To regulate light intensity based on traffic and occupancy.

- To reduce energy consumption through programming and sensors.

- To detect incidents and manage maintenance remotely.

- To improve public security with better-lit streets.

- To generate data and reports for audits and energy efficiency plans.

- To scale the solution to neighborhoods, entire cities, or metropolitan areas.

BENEFITS

Energy savings through optimized lighting management.

Reduced operating and maintenance costs.

Greater security for pedestrians and vehicles in urban environments.

Sustainability by reducing the carbon footprint.

Flexibility with programming and automation adapted to each environment.

Scalability for deployment in cities of any size.

Telefónica Tech

Services and Solutions | IoT & Connectivity

Waste Management

FIND OUT MORE ON OUR WEBSITE

Optimize urban waste collection and treatment with an IoT solution that monitors containers in real time and improves the efficiency of municipal services.

ABOUT THE SERVICE

Telefónica Tech's Waste Management solution uses IoT sensors installed in containers and digital platforms to monitor the fill level and status of each collection point.

It enables more efficient route planning, reduces operating costs, and contributes to urban sustainability through more rational use of resources.

How do we help you?

- We install sensors in containers to measure fill levels, temperature, and incidents.

- We provide centralized platforms for real-time monitoring.

- We configure algorithms to optimize collection routes.

- We integrate the solution with municipal systems and citizen applications.

- We offer support, maintenance, and end-to-end managed services.

WHAT DOES IT ALLOW YOU TO DO?

- To know the status of containers in real time.

- To optimize collection routes to reduce time and costs.

- To detect incidents such as fires or vandalism.

- To improve the planning and management of urban cleaning services.

- To generate reports for audits and sustainability plans.

- To scale the solution to different districts or entire cities.

BENEFITS

Operational efficiency with more streamlined routes and fewer unnecessary trips.

Reduced costs for fuel, maintenance, and personnel.

Sustainability thanks to a smaller carbon footprint in waste collection.

Greater urban cleanliness by preventing overflow and improving planning.

Transparency in municipal management with verifiable data.

Scalability for implementation in cities of any size.

Telefónica Tech

IoT & Connectivity | Services and Solutions

Tourism Management

FIND OUT MORE ON OUR WEBSITE

It offers visitors and citizens interactive and personalized information in real time with IoT solutions that transform the tourist experience in the city.

ABOUT THE SERVICE

Telefónica Tech's Tourist Information Point solution integrates digital kiosks, interactive screens, and data platforms to provide up-to-date information on routes, transportation, events, and local services.

As well as improving the visitor experience, it helps boost the local economy by raising the profile of businesses, activities, and tourist attractions.

How do we help you?

- We install kiosks and interactive screens connected at strategic locations.

- We integrate dynamic content with municipal data and tourism platforms.

- We configure real-time update systems with relevant information.

- We incorporate usage analytics to understand visitor preferences.

- We provide support, maintenance, and managed services.

WHAT DOES IT ALLOW YOU TO DO?

- To access tourist information updated in real time.

- To promote local events, businesses, and services.

- To improve visitor orientation and mobility.

- To collect usage and preference data for tourism entities.

- To generate interactive and digital experiences in the city.

- To scale the solution to different neighborhoods or cities.

BENEFITS

Better visitor experience with easy, digital access to useful information.

Economic revitalization by giving visibility to local businesses and events.

Innovative tourism promotion with interactive digital tools.

Greater citizen satisfaction by providing an accessible, modern service.

Transparency and trust in the information provided.

Scalability to expand the service regionally or nationally.

Telefónica Tech

Smart Agriculture

Smart Automation solutions enable companies to automate repetitive processes, optimize business tasks, and modernize their infrastructure with low-code and machine learning tools.

IoT & Connectivity | Services and Solutions

Smart Irrigation Management   Precision Agriculture

Smart Irrigation Management

Optimize water use in your crops with an IoT solution that monitors field conditions in real time and automates irrigation to improve efficiency and sustainability.

FIND OUT MORE ON OUR WEBSITE

ABOUT THE SERVICE

Telefónica Tech's Smart Irrigation Control solution uses IoT sensors, advanced connectivity, and management platforms to measure key variables such as soil moisture, temperature, and weather forecasts.

It allows irrigation schedules to be automated based on real data, preventing water waste and ensuring more efficient use of water resources.

How do we help you?

- We deploy sensors for humidity, temperature, and other agronomic parameters.

- We integrate the information into platforms that automate irrigation management.

- We configure real-time alerts and recommendations to optimize operations.

- We offer IoT connectivity (NB-IoT, LTE-M, 5G) to ensure coverage in rural areas.

- We provide support, maintenance, and managed services throughout the entire life cycle.

WHAT DOES IT ALLOW YOU TO DO?

- To monitor soil and crop conditions in real time.

- To automate irrigation based on accurate data and weather forecasts.

- To reduce water and energy consumption on the farm.

- To detect anomalies or incidents in the irrigation system.

- To generate historical reports for audits and continuous improvement.

- To scale the solution to different crops and agricultural areas..

BENEFITS

Water and energy savings thanks to more efficient management.

Higher agricultural productivity with better hydrated and cared for crops.

Sustainability by reducing the environmental impact of traditional irrigation.

Real-time visibility for data-driven decision making.

Reduction in operating and maintenance costs.

Scalability for application in different types of crops or regions.

Telefónica Tech

Smart Irrigation Management

Precision Agriculture

IoT & Connectivity | Services and Solutions

Precision Agriculture

Improve crop yields by applying IoT data and advanced analytics that enable accurate decisions about planting, fertilization, and harvesting.

FIND OUT MORE ON OUR WEBSITE

ABOUT THE SERVICE

Telefónica Tech's Precision Agriculture solution combines sensors, satellite imagery, and analytics platforms to monitor crop conditions in detail.

Farmers can use this information to optimize their use of water, fertilizers, and pesticides, reducing costs and increasing production sustainability.

How do we help you?

- We install IoT sensors and data capture systems in the field.

- We integrate satellite imagery and meteorological data into the management platform.

- We offer advanced analytics to detect anomalies in crop development.

- We configure alerts and recommendations based on the actual needs of the land.

- We provide support, maintenance, and managed services throughout the agricultural season.

WHAT DOES IT ALLOW YOU TO DO?

- To monitor crop and soil conditions in real time.

- To precisely adjust the use of water, fertilizers, and treatments.

- To detect pests or nutritional deficiencies early on.

- To plan planting and harvesting based on accurate data.

- To reduce the waste of agricultural resources.

- To scale the solution to different crops and areas..

BENEFITS

Greater productivity with more carefully tended and efficient crops.

Reduced costs by optimizing the use of resources.

Sustainability thanks to a lower environmental impact.

Better decision-making based on objective, real-time data.

Risk prevention with early detection of incidents.

Scalability for application in different agricultural operations.

Telefónica Tech

Health

We are driving the transformation of the social and healthcare sector with technologies that improve care, optimize resources, and reinforce personalized care. They connect every point in the care process to build a more sustainable, proactive, and people-centered system.

Advanced Social Telecare   Digitization of the Care Process

Advanced Social Telecare

Improving care and quality of life for the elderly and dependent people.

ABOUT THE SERVICE

We facilitate remote care for the elderly through our Advanced Social Care solution based on sensors, IoT connectivity, and smart alert systems.

We enable proactive, personalized care at home, which improves quality of life, reinforces independence, and reduces pressure on health and social service.

How do we help you?

- We drive the digitization of home care through smart technology.

- We enhance care for elderly and dependent people in a proactive and safe way.

- We facilitate coordination between professionals, caregivers, and family members.

- We promote more human, connected, and sustainable care models.

WHAT DOES IT ALLOW YOU TO DO?

- To monitor activity and detect risky situations in real time.

- To generate automatic alerts in the event of falls, inactivity, or altered routines.

- To facilitate continuous care without the need for travel.

- To promote independence and security at home.

BENEFITS

Autonomy to live at home: Allows older people to stay securely in their own homes.

Proactive and continuous care: Detects incidents and activates responses without manual intervention.

Reduction of unwanted loneliness: Promotes companionship and daily social connection.

Less pressure on the healthcare system: Reduces visits to emergency rooms and avoidable hospital admissions.

IoT & Connectivity | Services and Solutions

Telefónica Tech

Advanced Social Telecare   Digitization of the Care Process

Digitization of the Care Process

Automatic patient and asset flow management platform based on a real-time location system, enabling traceability within the hospital.

ABOUT THE SERVICE

We digitalize the care process in hospitals and healthcare centers using IoT technology, advanced analytics, and interoperable platforms.

This improves clinical coordination, reduces waiting times, and optimizes the use of key resources such as operating rooms, beds, and personnel.

We automate tasks, monitor flows, and make data-driven decisions thanks to our solution.

How do we help you?

- We drive the modernisation of hospitals through interoperable and connected technology.

- We optimise the management of operating rooms, emergency services, and hospital resources in real time.

- We improve operational efficiency and patient safety throughout the entire care process.

- We support the digital transformation of the healthcare environment with modular and scalable solutions.

WHAT DOES IT ALLOW YOU TO DO?

- To automate surgical and emergency management.

- To monitor the location of patients and equipment in real time.

- To reduce waiting times and optimize care pathways.

- To coordinate processes between clinical areas quickly and securely.

BENEFITS

Automatic clinical coordination: Optimizes surgical and emergency workflows, reducing waiting times and errors.

Greater operational efficiency: Reduces time and costs through real-time analytics and location tracking.

Improved patient security: Minimizes risks with digital monitoring and integrated alerts.

Adaptation to healthcare pressure: Responds to hospital saturation with smart technology.

IoT & Connectivity | Services and Solutions

Telefónica Tech

IoT & Connectivity

Consulting &
Professional Services

Accelerate the adoption of IoT solutions in your business with our consulting, design, and operation services, which guarantee successful projects from start to finish.

Telefónica Tech

IoT Solution Design and Prototyping Consultancy   IoT Industrialisation and Operational Consultancy

IoT Solution Design and Prototyping Consultancy

FIND OUT MORE ON OUR WEBSITE

Turn your ideas into tangible IoT projects with a consulting service that supports you from conception to functional prototype.

ABOUT THE SERVICE

Telefónica Tech's IoT Design and Prototyping Consulting service helps companies identify opportunities, define use cases, and develop prototypes that validate the viability of their projects.

It integrates expertise in hardware, software, and connectivity to transform innovation into scalable solutions aligned with business purposes.

How do we help you?

- We analyze your needs and define the most relevant IoT use cases.
- We design the solution architecture (devices, platforms, connectivity).
- We develop functional prototypes that validate the business model.
- We conduct pilot tests in real environments to ensure technical viability.
- We support you in planning the evolution towards mass deployments.

WHAT DOES IT ALLOW YOU TO DO?

- To identify opportunities for digitization through IoT.
- To validate ideas before investing in large-scale projects.
- To reduce technical and financial risks with tangible prototypes.
- To ensure alignment between technological innovation and business objectives.
- To facilitate the transition to scalable and global solutions.
- To integrate different elements (sensors, platforms, connectivity) into a single prototype.

BENEFITS

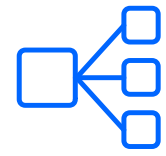**Agile innovation** by quickly transforming ideas into prototypes.

Risk reduction with prior technical and business validations.

Comprehensive vision thanks to end-to-end support.

Flexibility to adapt the design to different sectors and use cases.

Greater security in investment with pilot tests prior to deployment.

Guaranteed scalability to evolve from prototype to mass production.

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FIND OUT MORE ON OUR WEBSITE

Take your IoT solution from the lab to the real world, ready to scale with reliability and control.

ABOUT THE SERVICE

Telefónica Tech's Industrialization and IoT Operation Consulting service helps you transform a validated prototype into an operational, scalable, and sustainable IoT solution.

Industrialization is not just about replicating a pilot; it's about ensuring that everything works reliably in real, changing conditions. We support you in that critical last mile: turning a proof of concept into a robust, growth-ready solution, connecting the technology to your business processes and ensuring stable operation from day one.

How do we help you?

- We prepare solutions for industrialisation, adapting designs, components, and architectures to industrial criteria such as durability, energy efficiency, certification, and cost.

- We implement monitoring tools, integrating remote provisioning, lifecycle management, inventory, updates, and monitoring.

- We enable real-time visibility, prevent failures, and provide specialised technical support during start-up.

WHAT DOES IT ALLOW YOU TO DO?

- To scale pilots to productive solutions with reliability.

- To integrate industrial criteria from design to operation.

- To centrally manage IoT devices and services.

- To detect incidents and respond quickly.

- To ensure continuity and quality in real conditions.

- To evolve the solution with autonomy and control.

BENEFITS

Scalability without surprises: Pilots turned into solutions ready to grow.

Expert support: A team with real experience in complex IoT deployments.

Operational efficiency with mature processes and robust tools.

Security and reliability in large-scale operations.

Flexibility to integrate into ongoing projects or from the initial stages.

Autonomy through knowledge transfer and best practices.

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Ready to transform your business?

Telefónica Tech is the leading company in digital transformation. It has a wide range of services and integrated technological solutions in Cyber Security and NaaS, Hybrid Cloud, Connectivity and IoT, AI & Data, Future Workplace, Business Apps and Consulting and Professional Services.

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