Press Release

Telefónica is deploying 17 Edge nodes across Spain within a Europe-leading Edge plan

- The company has already activated 10 Edge Computing nodes and will expand to 17 during 2026, enabling new digital services, accelerating business transformation, and strengthening data sovereignty.
- Rising demand for compute, AI, power and technical floor space makes Telefónica's network of telecommunications exchanges a key differentiator in delivering this unique nationwide plan.
- The project is reinforced by Telefónica's leading fixed (FTTH) and mobile (5G) networks and is set to drive a new wave of growth through open, differentiated and interconnected architectures.

Madrid, 28 January 2026. – Telefónica is deploying 17 Edge Computing nodes across Spain as part of a plan to deliver competitive, sustainable and secure European technology infrastructure based on Edge Computing—an advanced network designed to support the digital transformation of businesses and institutions.

Telefónica's Edge rollout in Spain—pioneering at European level—now has 10 active nodes: in Madrid (two), Barcelona, Valencia, Seville, Málaga, Palma de Mallorca, Bilbao, A Coruña and Terrassa (Barcelona). The deployment will continue throughout 2026 with seven additional locations: Zaragoza, Las Palmas de Gran Canaria, Valladolid, Gijón, Santa Cruz de Tenerife, Santiago de Compostela and Mérida. This will bring the total to 17 Edge nodes, providing nationwide Edge Computing capacity.

Borja Ochoa, President of Telefónica Spain, said: "Our Edge Plan places us at the European forefront of technology and data sovereignty. This pioneering project will be key to accelerating Spain's digital transformation by enabling nationwide infrastructure that allows companies and public administrations to participate in the wave of growth associated with this deployment."

Sergio Sánchez, Director of Operations, Networks and IT at Telefónica Spain, added: "Our network will provide significant compute and storage capacity at the edge, with lower latency and greater efficiency. We not only operate a leading telecommunications network, but also a secure and open digital platform that fuels growth."

An Edge node acts as a server for data processing, analytics and storage—functions performed as close as possible to where data is generated, unlike traditional data centres or centralised cloud. Under this plan, the infrastructures are located in Telefónica's telecommunications exchanges, repurposed as edge data centres that meet stringent security and high-availability requirements for

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deployment and operations. In this context, growing demand for compute, AI, power and technical floor space makes Telefónica's nationwide network of telecommunications exchanges a strategic differentiator.

Compared to traditional Cloud architectures, Edge designs a scalable and efficient approach that brings processing and storage closer to the customer, so data generated by large numbers of devices can be managed near its source. In addition to cloud benefits such as elasticity and high availability, Edge delivers higher performance, lower latency and greater control over data.

These nodes also provide AI capabilities so that customers can adopt this technology at the pace expected, without the major investments it typically requires. Companies and institutions will be able to consume GPUs as a service—without the initial capital outlay—while keeping workloads sovereign and latency low.

These capabilities are especially relevant in a new era of digital services delivered closer to end users (at the edge), where connectivity extends beyond person-to-person or person-to-cloud models to include object-to-object communications, person/object-to-edge interactions, and edge-to-cloud connectivity.

Edge Computing improves performance by minimizing latency while reinforcing data sovereignty. It also helps ensure that data remains within environments governed by local regulations. This Telefónica-led plan promotes the development of Edge and Cloud technologies in Europe and opens the possibility for other European operators to use these infrastructures securely, develop technology, and reduce dependence on service providers whose platforms are located outside the European Union. In doing so, the project strengthens Europe's industry while contributing to greater digital data sovereignty.

Fibre and 5G: key to Edge

Edge Computing enhances the performance of next-generation networks such as fibre optics and mobile technologies—an area where Telefónica is a leader. The Edge Plan is perfectly complemented by Telefónica's fibre and 5G capabilities. In Spain, Telefónica has led a pioneering process of shutting down the legacy copper fixed network, and its FTTH network reaches more than 31 million real-estate units (UUII). As for mobile 5G technology, it is already available to nearly 95% of Spain's population.

Telefónica stands out for its broad coverage and extensive nationwide footprint across urban and rural areas, supported by infrastructure that the Edge Plan upgrades with integrated hardware and software to deliver communications and digital services.

Together with FTTH fibre and the 5G mobile network, Edge will enable the next generation of advanced services—Industry 4.0, assisted driving, logistics, ports, retail, massive communications and digital twins, among others—services that will make possible a new wave of digital transformation across industry and society.

Edge Computing fits with the new ecosystem of applications and novel use cases currently being demanded by different segments for digital transformation, including the APIs within the objectives of the Open Gateway project.

Telefónica is therefore driving the development of an integrating platform, enabling third-party innovation and optimising infrastructure to enhance customer offerings. The company identifies

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needs, collaborates with stakeholders and promotes innovative, disruptive use cases that were not feasible before the advent of Edge Computing—within a new open, decentralised, multi-provider model.

Unlike closed, single-owner and highly centralized solutions offered by major cloud service providers, this project pursues a model in which providers share interfaces and interoperability, compatibility and portability are guaranteed—delivering clear advantages for future customers.

European Data Sovereignty

The Plan aligns with the European roadmap for the development of next-generation Cloud-Edge offerings, designed so EU users can benefit from Edge-based services and application standards. The project is framed within EU principles such as the Digital Strategy, the Joint Declaration by the 27 Member States, and the goals set by the European Commission for Data and Digital Sovereignty.

Businesses and public administrations will be able to develop Edge-based applications within a project that reduces dependence on Cloud and Edge service providers whose platforms are located outside the EU. Telefónica's Plan also facilitates the use of European operators' infrastructures and platforms, strengthening the role of Europe's telecommunications sector in Cloud- and Edge-based technologies.

This continent-scale strategic project has been structured through an Important Project of Common European Interest (IPCEI) coordinated by the European Commission, in which different Member States have participated by submitting proposals—aimed at placing European companies in an ideal position to lead new digital services through differentiated and interconnected Edge Computing technologies and infrastructures. In June 2021, Telefónica Spain's proposal was the highest-rated at national level and was submitted to the IPCEI for the development of Edge Computing.

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