Telefónica Tech is forging key partnerships to bring quantum computing to real-world AI applications

- Telefónica Tech announces a partnership with three strategic partners (Qilimanjaro Quantum Tech, QCentroid and Multiverse Computing) to offer a comprehensive quantum AI solution combining quantum hardware, advanced software, orchestration platforms and professional services, with the aim of accelerating the adoption of quantum technologies and artificial intelligence in the public and private sectors.

- This partnership reinforces Telefónica's strategy in quantum technologies, based on three areas of focus: quantum computing, with partners such as IQM, with whom it has worked to deploy one of Spain's first quantum computers; post-quantum security, in collaboration with partners such as IBM; and quantum communications, with investments made in companies such as LuxQuanta through Wayra, Telefónica's investment arm.

Madrid, 19 March 2026- [Telefónica Tech](#) today announced a partnership with three new strategic partners (Qilimanjaro Quantum Tech, QCentroid and Multiverse Computing) to further develop its comprehensive offering in quantum computing and its integration with advanced artificial intelligence technologies. This new alliance reinforces the company's already established position in these technologies and helps to foster a European and sovereign ecosystem that assists the public and private sectors in Spain and the rest of Europe in tackling business challenges with greater agility.

The combination of quantum computing capabilities and optimised artificial intelligence delivers unique value by enabling the development of more compact and efficient AI models, streamlining complex processes and improving training times. This facilitates the local deployment of optimised AI models and more efficient architectures, helping to strengthen technological sovereignty and data protection.

Telefónica Tech has expertise in advanced analytics, data governance and the deployment of AI solutions, as well as in integrating these technologies into complex business environments, ensuring the scalability, security and industrialisation of projects. With these new partnerships, the technology company is expanding its service portfolio with comprehensive capabilities in quantum hardware, specialised software, multi-hardware orchestration platforms and professional services.

This expansion of the ecosystem of partners involved in these technologies reinforces Telefónica's strategy in quantum technologies, which is based on three areas of focus: quantum computing, with partners such as IQM, with whom we have worked to deploy one of Spain's first quantum computers; post-quantum security in collaboration with companies

such as IBM; and quantum communications, with investments made in companies such as LuxQuanta through Wayra, Telefónica's investment arm.

Applications of quantum computing and AI

The combination of technologies such as quantum computing and AI will enable customer problems to be solved more quickly and accurately, as it significantly reduces the time taken to arrive at an acceptable answer and finds more precise solutions from a vast array of possibilities.

Telefónica Tech's ecosystem of quantum technologies and artificial intelligence, which combines its own capabilities with those of Qilimanjaro Quantum Tech, QCentroid and Multiverse Computing, as well as IQM, IBM and LuxQuanta, ensures that customers can tackle any AI project regardless of its level of complexity, with the expert support required for each stage of deployment. Some of these projects include:

- Rapid prototyping and proof of concept (PoC): customers can validate ideas and use cases within weeks, thanks to immediate and unified access to all types of quantum hardware available in the cloud, simulators and libraries of advanced algorithms, simplifying access to the quantum ecosystem. This reduces risk and accelerates decision-making, enabling much more agile development and allowing solutions to be fine-tuned before production.

- Development of advanced AI solutions and optimisation: clients can commission the design and deployment of hybrid models, combining advanced machine learning and quantum computing algorithms, applied to process optimisation, advanced simulations and even the compression of AI models for efficient execution on edge devices (where data is stored and processed close to where it originates) or in the cloud.

- Applied research and operational improvement: the complementary nature of the portfolios and the precision of advanced AI deliver significant operational improvements in sectors such as banking, energy and logistics.

- Comprehensive support: clients have access to a multidisciplinary team and the best technologies and methodologies on the market to efficiently cover all project phases: from identifying opportunities and feasibility analysis, through to integration, training and ongoing support.

About Telefónica Tech
Telefónica Tech is the leading company in digital transformation. The company offers a wide range of services and integrated technological solutions for Cyber Security, Cloud, IoT, Big Data, AI and Blockchain. For more information, please visit: https://telefonicatech.com/en

---

Telefónica, S.A.
Dirección de Comunicación Corporativa
email: prensatelefonica@telefonica.com
telefonica.com/en/communication-room/

About Qilimanjaro Quantum Tech

Qilimanjaro Quantum Tech is a quantum computing company working to accelerate the arrival of practical quantum computers by developing its fluxonium-based analogue chips. Founded in 2019, Qilimanjaro builds integrated, error-resilient quantum computers that enable faster and more scalable solutions than purely digital quantum approaches. Its analogue quantum systems offer immediate advantages in simulation, optimisation and artificial intelligence, areas in which digital quantum processors (QPUs) still face limitations in scalability and fault tolerance. Qilimanjaro follows a dual strategy to broaden access to quantum computing. On the one hand, through its SpeQtrum QaaS platform, it provides remote access to multimodal data centres that combine analogue, digital and classical computing. On the other hand, it develops on-premise systems that enable modular and comprehensive integration of analogue and digital QPUs for supercomputing centres and research institutions.

About QCentroid

QCentroid, a pioneer in Quantum-as-a-Service solutions, is a Spanish company specialising in the enterprise adoption of quantum computing. Its QuantumOps platform enables organisations to manage the entire lifecycle of their projects: from defining use cases, to running and comparing algorithms across different quantum technologies and simulators, and integrating them into production environments. Designed to facilitate collaboration between business, technical and scientific professionals, it offers a secure, scalable and multi-technology-compatible approach that accelerates adoption and reduces risks. With a presence in Europe, the Americas and Asia, QCentroid is a leader in the orchestration of quantum computing, advanced computing and artificial intelligence, with applications in sectors such as finance, energy, logistics, mobility and sustainability.

About Multiverse Computing

Multiverse Computing is the leading compressed AI model provider. Leveraging quantum inspired techniques, the company enables organizations to deploy large language models and other AI systems at more than 50% lower cost and energy consumption, without compromising performance. Headquartered in Donostia–San Sebastián, Spain, Multiverse Computing operates globally, with offices in Europe, Canada and the United States. Its customers and users include leading organizations such as Iberdrola, Moody's Analytics, the Bank of Canada, and Telefónica. More information: www.multiversecomputing.com

Telefónica, S.A.
Dirección de Comunicación Corporativa
email: prensatelefonica@telefonica.com
telefonica.com/en/communication-room/