

5G banking office

Objective: To develop three 5G based use cases in a bank office: 4K videoconferencing, low-latency cloud storage and virtual reality for home sales or virtual visits.

Description: To implement this project, Telefónica has deployed in Alcobendas, in collaboration with ZTE, the most advanced 5G pilot network of those installed to date, which includes the radio, the core of the network and the terminals. The technology used is based on Stand Alone mode, the latest international standard, creating an end-to-end 5G network architecture that does not need to rely on 4G.

Three use cases have been developed in the project:

1.-4K video conferencing between two bank offices that offers, through the 5G network, an ultra-high resolution image (4096x2160) and natural movement thanks to its 30 frames per second with zero delay.

2.-5G low latency storage, an edge cloud storage solution provided by Telefónica thanks to the Hitachi Content Platform Anywhere Edge solution placed on Telefónica's edge computing infrastructure (bringing computing capacity to the edge of the network to process data very close to where it was produced).

3.-Virtual visit to co-working spaces, developed together with the company Idronia and using Virtual Reality, 360 video and Edge Computing technologies, an immersive reality service is provided to remotely visit co-working spaces such as the Santander Work Café on Calle Velázquez.

With solutions such as those developed for this pilot, 5G will bring new services to the financial sector, such as a high-performance mobile banking office with a level of services equivalent to offices with fixed communications, making it possible to have a fully functional temporary mobile office as a backup for large-scale events (sporting events, trade fairs, etc.), to carry out a specific operation at a customer's home or for emergency situations; As well as having a low-latency cloud to deploy critical services in offices without the need to deploy or modify existing IT equipment, or having a global 5G backup system that preserves the same features and services that are available with the fixed network.

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