

El Manantial Residence

Zyxel Network Helps the Elderly at Spanish Retirement Home Keep in Touch with Their Families

Customer at a glance



Customer Name

El Manantial Residence



Industry

Healthcare



Country

Spain



Customer Background

El Manantial Residence in Castelldefels, Barcelona has 60 residential places and 20 day centers providing much-needed relief to those in rehabilitation and palliative care – and to their families.



“We’re very satisfied with the implementation and results. There’s now stable coverage throughout the facility, which guarantees the quality of video calls on different devices at the same time. The new network allows residents, their families, and healthcare professionals to access the internet and to communicate with each other with crystal clear video and audio quality.”

Esther Arozamena
General Manager
El Manantial Residence

Summary

The social-distancing measures necessitated by the pandemic hit care home residents hard, turning physical contact with family members into a potentially deadly proposition. For El Manantial Residence in Barcelona, the emerging coronavirus raised another crisis: its increasingly isolated residents’ video calls – now their only connection with family members – were plagued by dropouts and poor quality, if they could even connect in the first place. The home’s management jumped into action, seeking an urgent upgrade to its wireless network, with the goal of residents being able to see and interact with their family whenever and wherever they wanted, almost as if they were in the same room. They wanted a solution that could provide smooth communications simultaneously to a large number of diverse devices or the upcoming new network equipment. To achieve this, they first implemented the latest WAX610D WiFi 6 access points and WAC6553 outdoor access points to provide fast and seamless wireless connectivity. Next, to ensure security and uninterrupted internet services and video calls throughout the entire facility, the GS1920-48HP smart managed PoE switch and USG FLEX 500 security gateway were deployed. The Nebula solution manages the devices and ensures stable connectivity. With the deployment completed, any number of residents can enjoy life-enriching high-quality video calls with family and friends from anywhere in the facility.

Challenges

- Expand network coverage and accessibility to all areas of the residence
- Improve network stability and quality to support high-quality video calls
- Guarantee the security of network connections

Benefits

- Nebula Cloud Networking solution ensures stable connections and wide coverage sufficient for numerous video calls from anywhere in the residence
- Futureproof network allows fast and secure communication on large numbers of devices

Solutions

- USG FLEX 500 UTM Firewall
- WAX610D 802.11ax Access Point
- WAC6553D-E 802.11ac Access Point
- GS1920-48HP Smart Managed PoE Switch