

Monsignor Luigi Biraghi Institute

Zyxel Makes Strong Connections for Both Networks and People

Customer at a glance



Customer Name

Monsignor Luigi Biraghi Institute



Industry

Healthcare



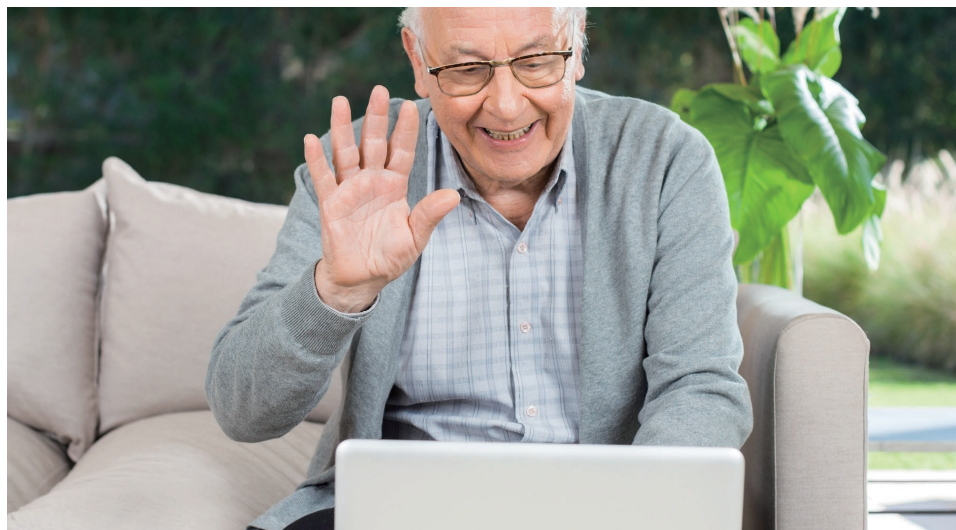
Organization Size

10,045 m², including 2,000 m² of living space



Country

Italy



Customer Background

The Marcelline Sisters of the Monsignor Luigi Biraghi Institute have been providing community services in parish, social welfare, and missionary works since 1838 through schools, hospitals, and homes for the elderly. The institute's mission is to provide health care services for the elderly and those who cannot care for themselves.



"The pandemic has taught us to evolve in many ways, including on the technology front, to guarantee a smile to those who are far from their loved ones."

Alessandra Della Pietra
Project Coordinator
Monsignor Luigi Biraghi Institute

Summary

COVID-19 dealt a blow for the Monsignor Luigi Biraghi Institute, with social distancing and isolation measures meaning its ailing residents could no longer receive visits from family members. And the resulting rise in video calls put a heavy burden on the parish's wireless network. To increase its network's capacity to handle the surging demand, the institute turned to Zyxel partner G7 International. The task was imposing given the institute's large size, spanning Building A, with 25 rooms housing 52 residents and six rooms for public use, and Building B, with 81 rooms for 146 residents and six offices, including 17 network points with workstations for institute staff. The renewal of the network has delivered reliable, high-speed WiFi throughout both buildings, including every square foot of the office areas and in every room. Now, thanks to the network's segmentation and Nebula cloud-based centralized management, the institute can easily keep the network running and ensure smooth loading and stock management in the warehouse. Most importantly, though, residents can now see and speak with their loved ones anytime without fear of dropped or laggy calls – a prime example of how Nebula facilitates better connections both for networks and people.

Challenges

- Renew the existing network to ensure high-performance wireless coverage for all rooms and offices in the two buildings
- Separate the wired network for use by internal staff as well as residents
- Implement warehouse loading and unloading management, such as for drugs and medical support

Benefits

- Better wireless experience throughout entire health care center
- Network switches separate network for superior security and usability
- Nebula cloud service allows all wireless infrastructure to be easily managed from a single interface
- Access points can be powered directly from the switches, minimizing electrical wiring work required

Product used

- WAX510D 802.11ax Access Point
- GS1920 Series Smart Managed Switch
- Nebula Control Center (NCC)