

Ciudad Real Provincial Council

Nebula Provides Speedy and Secure Connectivity to Ensure Great Event Experience

Customer at a glance



Customer Name

Ciudad Real Provincial Council



Industry

Government



Location

Ciudad Real, Spain



Customer Background

The Ciudad Real Provincial Council's Fair Pavilion is an iconic exhibition center located in the heart of Spain. The council's 12,000-square-meter site includes a two-story, 10,000-square-meter exhibition hall, with five rooms each able to accommodate 350 people, and a 400-seat auditorium equipped with the latest technology for simultaneous translation and multimedia playback. In addition, there is a 1,500-square-meter outdoor event space as well as catering facilities and administration offices.



"Everything has gone perfectly since the new network went into operation. The ease of management as well as the deployment of equipment across the center has made it easy for us to provide quality WiFi for every visitor, wherever they are."

Juan Bautista García de la Calle
Head of Internet and Communications
Section, Ciudad Real Provincial Council

Summary

Regularly holding events attracting thousands of people a day, Fair Pavilion of Ciudad Real had its sights set on a network overhaul that could ensure secure, lightning-fast wireless for visitor and admin use alike across its 12,000 square meters. The organization opted for Zyxel solutions, and worked with its system integration partner CIM Informática to replace the existing wired infrastructure with a single, centralized solution. Seeking a futureproof investment that would also support easier network management, they chose a cloud-based solution powered by Zyxel's ATP firewall, smart managed PoE switch, and WiFi 6 APs. As well as allowing the center to manage a large number of APs with ease, the new system's intuitive UI has transformed network management from an overly complex headache into a breeze. Similarly stark is the difference offered by the beefed up security. The exhibition center's communications and networking chief, Juan Bautista García de la Calle, says the new infrastructure has been a game changer for him and his staff, citing the flexible management and up to 10-times-faster speeds. The system has reduced latency and delivers complete coverage, providing high-quality connections without audio or video dropouts. Meanwhile, the advanced network security protects every connection by using encryption to ensure the inviolability of WiFi passwords.

Challenges

- Ensure fast and secure wireless connectivity that can handle large visitor numbers
- Simplify overly complicated network management, and replace poor analysis and reporting capabilities
- Replace unintuitive management solutions with centralized, user-friendly alternative

Benefits

- Up to 10 times higher browsing speeds eliminate video and audio dropouts
- Whole network can be monitored and controlled easily through intuitive interface
- Beefed-up security with password encryption and easy-to-configure alerts for potential intrusions

Products used

- WAX610D/NWA210AX WiFi 6 Access Point
- ATP500 ATP Firewall
- GS1920-24HPv2 Smart Managed PoE Switch