

Italian Furniture Factory

Specially crafted network keeps Italian furniture maker competitive

Customer at a glance



Customer Name

Italian Furniture Factory



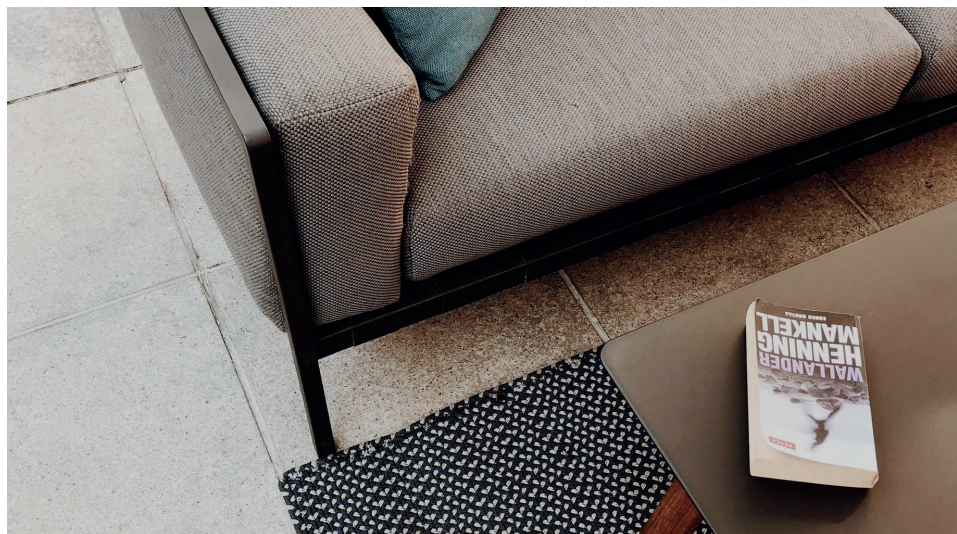
Industry

Manufacturing



Country

Italy



Customer Background

The client was an Italian furniture maker with over 30 years in the business. It has constantly refined its production quality and competitiveness. To stand out further in the market, the client knew that a strong network was essential, as it would guarantee more effective and efficient communication and thus a more dynamic business.

Summary

A network overhaul posed a challenge given the client's complex production, which comprised two separate locations together spanning over 8,000 square meters and housing modern machinery, labs, tech and QC areas, and more. The client's system integrator, Soft System, suggested using Zyxel solutions, which it knew from experience could meet the factory's needs of greater agility and more effective traffic management for modern converged applications. Connecting its two sites and various department required centralized management of all devices. That meant building a WiFi network capable of satisfying all factory and office needs and connecting all manufacturing equipment, mobile devices, and SIP telephony. Meanwhile, for easy management, the company needed to divide the network into separate VLANs with access control. First, XGS3700 and XGS2210 switches were deployed. Their 10Gb connectivity and high power budget ensure business continuity. Next came WAC6502D-E access points, whose Smart Antenna technology is ideal for high-density environments. As well as offering the best possible signal, they mitigate interference from other wireless clients. Both sites now have seamless, high-speed WiFi connectivity delivering smooth, secure, and fast data transfers, making for happier, more efficient workers.

Challenges

- Design and deploy a stable, easy-to-use networking, wireless, and security solution to connect all departments and staff across both locations
- Connect factory elements like compressors and machines tools to provide the continuous operation necessary for warehouse automation

Benefits

- Easier and more effective traffic management for modern converged applications
- Guaranteed high network connection speeds and secure data transmission in both production and office areas
- High-performance WiFi network capable of satisfying factory and office needs and networking all manufacturing equipment, mobile devices, and SIP telephony

Products used

- XGS3700-48 L3 Access Switch
- XGS2210-28HP L3 Access PoE Switch
- WAC6502D-E 802.11ac Access Point
- WAC5123-AC 802.11ac Access Point
- NXC2500 Wireless LAN Controller
- Cloud Network Center (CNC)