Sil Ceramiche

Zyxel Nebula Solution Helps Italian Ceramics Maker Enhance Logistics Management and Overcome Network Challenges

Customer at a glance

Customer Name
Sil Ceramiche

Industry
Manufacturing

Country
Italy

Customer Background

Enrico Silingardi founded Sil Ceramiche in 1955 with a small warehouse of ceramic tiles and red stoneware in Sassuolo. Now, its products are distributed to over 100 countries around the world. The company keeps growing innovating with new technologies, while still remaining faithful to important traditional values. The company set up headquarters on a property spanning over 30,000 square meters with a warehouse for wholesale distribution for its international business.

SILCERAMICHE
SASSUOLO - ITALY

"Zyxel Networks helped us manage all the infrastructure via a single platform and meet all the customer's requests. Its network ensures each connected client was stable and high-speed."

**Lorenzo Ronchi
CEO, Puntocom**

Summary

Sil Ceramiche needed to enhance their network performance to improve logistics management like stock checking. The warehouse is filled with pallets of ceramic material that can interfere with WiFi signals. They needed a high performance network for their offices and effective network management to monitor network traffic and ensure security and GDPR requirements. They turned to Puntocom, who then suggested Zyxel Nebula solution along with high-performance MU-MIMO access points, smart managed switches and security gateway. WAC6303D-SN and WAC6552D-S APs were deployed in the office and outdoor warehouse. The access points featuring smart antenna technology can dynamically change signal pattern and mitigate interference to extend coverage and provide greater reliability to mobile devices. The access points and GS1920-24HPv2 smart managed PoE switch supports Zyxel NebulaFlex technology that allows the user to easily switch from the standalone mode to Nebula cloud management platform with just a few clicks. The USG110 firewall delivers a wide range of UTM services such as Application Intelligence, Content Filtering, Anti-Virus, Anti-Spam and IDP, protecting the corporate network, personal data and resources at risk from internal and external threats, as required by the General Data Protection Regulation (GDPR).

Challenges

- Thick barriers of pallets of ceramic material blocked WiFi signals and great heights affecting WiFi performance
- Manage the whole network infrastructure via a single interface
- Ensure network security for both wireless and wired networks

Results

- Stable signal and a zeroing of falls and shadow cones in warehouse and offices
- 24/7 monitoring via Nebula solution with real-time alerts and reports
- Security firewall provides UTM services and ensures GDPR compliance
- Connected end points meet the requirements of stability and high speed

Solutions

- USG110 Unified Security Gateway
- GS1920-24HPv2 Smart Managed PoE Switch
- NWA5123-AC HD/WAC6303D-S/WAC6552D-S 802.11ac Access Point