

Masterplast

Plastic Fantastic: New Network Delivers Extreme Productivity for Russian PVC Maker

Customer at a glance



Customer Name

Masterplast



Industry

Manufacturing



Organization Size

150 employees



Country

Russia



Customer Background

Masterplast is one of Russia's leading manufacturers of PVC products for construction and repair. The company has a production site, warehouse, and an office building, and in 2019 decided to significantly expand its production and storage capacity. The factory was equipped with new computer equipment, the warehouse system was transferred to a new centralized accounting system, and a video surveillance system was installed, while the administrative staff expanded. All this contributed to an increase in the number of workstations, wearable devices, and other peripheral equipment. To handle it all, Masterplast's management started work to build a modern network connecting and protecting the entire enterprise.



Summary

Masterplast needed to build a completely new local area network capable of ensuring smooth production and sales operations, namely by supporting communication across the enterprise; a companywide video surveillance system; and reliable, secure internet connectivity. After planning the new network with system integrator Paradigma, Masterplast's IT department carried out the installation and configuration. Selecting a vendor for the new infrastructure had been a breeze, given Masterplast's previous good experience with Zyxel Networks. "The customer was already familiar with Zyxel's products and turned to us with ready-made specifications. It was an easy decision," Paradigma sales manager Vitaly Kozyrev said. "The price, functionality, and quality of Zyxel's equipment are together more competitive than other major global makers, and its Russian-language technical support is second to none." The project lasted 2.5 years and consisted of 10 stages, starting with surveillance system infrastructure and ending with access point installation. Today, all the goals of the project have been fully achieved: a modern video surveillance system has been built, computer equipment and devices are operating in a single network, and the high-speed wireless network has allowed the warehouse, office, and workshop to set new productivity benchmarks.

Challenges

- Build a modern network for a new HQ and allow easy addition of new equipment for expansion in different locations and challenging environments
- Ensure smooth production processes and secure internet connections

Benefits

- High-speed wireless network ensures stable and seamless connectivity across the warehouse, office, and workshops
- Centralized network infrastructure is able to manage all equipment plus the continuous operation of the video surveillance system
- VPN firewall ensures secure cross-group networks and continuous operation with multi-WAN load balancing and failover

Product used

- XGS3700-24/48HP L3 Access PoE Switch
- GS1350 Series Smart Managed PoE Switch
- RGS200-12P Industrial Ethernet Switch
- GS2210-8HP/GS2220-28HP L2+ Managed PoE Switch
- NXC2500 WLAN Controller
- WAC6303D-S 802.11ac Access Point
- VPN50 VPN Firewall