ZYXEL

Success Story

Milan Commercial District Keeps Shoppers Safe Using Zyxel Switching Solution

INDUSTRY Property management

CUSTOMER Milan commercial district

COUNTRY Italy

SOLUTIONS Zyxel Switching Solution

Overview

Challenges

- Establish a network that can support four CCTV systems with over 400 IP cameras
- Unify a huge number of diverse devices and services, including surveillance cameras and solar panels
- Deliver a high-availability network with uninterrupted connectivity

Solutions

- Zyxel Switching Solution

Benefits

- Time- and money-saving centralized network management
- Increased business continuity and scalability
- High-performance network connectivity

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Background

Think of Italy and odds are two of the first things to spring to mind will be fashion and shopping. The country's capital of both is Milan, whose stunning new commercial district is a symbol of the city's cultural and economic renaissance. Explore the area now, after its years-long redevelopment, and you'll find buildings by international architects, ample green space, pedestrian walkways, and bustling commercial activity.

Challenges

But up until recently, with the bulk of the redevelopment work done, the district faced a challenge like many other commercial properties.

The cluster of high-end high-rises at the heart of the city had plenty of internet-connected devices, services, and infrastructure, but they were all operating independently. This meant that managing them required using far more hardware and software than desirable – costing more time and money.

What was lacking was an optimized networking solution: one the client could use to manage a huge number of VLANs and unify a slew of different types of services. There was an especially strong need for the development

and implementation of infrastructure that could simply yet securely handle two large groups of users, namely staff and guests. And this tall order kept getting taller: also needed was the ability to coordinate the content of video walls and digital totems, manage four separate CCTV systems comprising more than 400 cameras, and centrally control solar panels, parking lot gates, and more.

Central to filling this tall order was IeT Spa, a partner of Zyxel for many years. Founded in 2006, it specializes in medium-sized network solutions for companies ranging from manufacturers to big-name fashion brands, with valuable contacts in Europe, the United States, and China.

Solutions and Benefits

Zyxel provided the required solution to the commercial district with assistance from IeT. The Zyxel switching solution has a notable utility because it functions as a node able to communicate with other devices belonging to the same network system.

The then-and-now difference in this case is one of stark

contrast. All digital traffic – from the VLANs and CCTV system to the parking controls and solar panels – now flows within a single network. The client's IT administrator is no longer forced to spend time shifting his focus from one area to the next. It's now all unified, giving the administrator not only the ability to centrally manage and optimize the network but also the time to do so.

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Products Used

GS1920 Series • 24-port Gigabit Smart-Managed Switch

- Easy-to-manage rich L2 features with user-friendly Web browser-based management GUI
- Supports PoE+ standard to offer 30 W per port and a high PoE power budget of 375 W
- Smart fan design offers silent operation in both desktop and rack-mounted environments
- Supports ZON Utility and Smart Connect to simplify network management and maintenance

XGS4600 Series • 28-port Gigabit L3 Managed Switch with 4 SFP+ Uplink

- Four built-in 10-G SFP+ uplinks enable smooth, congestion-free data delivery for high-bandwidth applications
- Provides high bandwidth with true physical stacking of up to four units and 112 Gigabit ports
- New ID design with carbon fiber-style name plate delivers a modern look and feel
- High resiliency with redundant power supply units

About Zyxel Communications

Focused on innovation and customer-centricity, Zyxel Communications has been connecting people to the Internet for nearly 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for telcos and service providers, business and home users. Zyxel is building the networks of tomorrow, unlocking potential, and meeting the needs of the modern workplace — powering people at work, life, and play. Zyxel, Your Networking Ally.