



## Success Story

# The Moulin Rouge Modernizes Its Wireless Network with ZyXEL Technology

**"The NXC2500 is a good product. It is stable, easy to use, and professional. To date, it is also the most affordable product in terms of price-quality ratio. Our client is satisfied with this new equipment. He is already considering a new expansion on all his premises."**

**Christophe De Biasio**  
Manager of Adeisse Enterprise

### Overview

#### Customer Name

Moulin Rouge

#### Customer Industry

Entertainment

#### Challenges

- Setup of a redundant connection for ticket control portable scanners
- Provide punctual Internet access to partners and external participants
- Centralization of the Wi-Fi access for some internal users

#### Solution

- Wireless LAN Controller
- 802.11 a/b/g/n Business Access Point

#### Benefits

- Excellent price-quality ratio
- Centralized management of Wi-Fi terminals
- Reliability and robustness of ZyXEL equipment

## Background

Founded in 1889, the Moulin Rouge is the world's oldest and best known French cabaret. It is famed around the globe as the birthplace of the legendary can-can dance. Though the original "Red House" was destroyed by a fire in 1915, it was soon resurrected and continued its life as a center for French culture, art, and entertainment over

next century. Today it is one of the main tourist attractions in the fabled City of Lights, attracting thousands of visitors who come for the regular shows and performances, as well as special events hosted at the venue.

## Challenges

To offer its staff and management the best tools for communication and data transfer, as well as providing VIP visitors and partners fast and reliable Internet access, the Moulin Rouge decided to upgrade and modernize its network infrastructure.

management system, which wirelessly links a new ticket control system with portable scanners via redundant connections. The new system will also allow partners to connect externally to the network, while affording internal users centralized Wi-Fi access.



## Solutions and Benefits

To thoroughly cover the whole facility with a stable Wi-Fi signal, the Adeisse Enterprise chose the ZyXEL NXC2500 wireless LAN controller, which would manage eight NWA3160-N 802.11 a/b/g/n Business Access Point terminals. Several networks have already been constructed and deployed in this manner. Each device relies on a SSID, which allows various users to connect to the network through different access paths.

More than 40 users on the Moulin Rouge staff can now simultaneously use a broadband connection at speeds up to 92 Mbps from their smartphones, tablets, or computers.

## Products Used

The staff is also better equipped handle ticketing with four portable scanners. These connect to the network via Wi-Fi, allowing the staff to be mobile during their ticket control operations. The ticket information is automatically transmitted for processing.

Finally, many external providers and partners now have access to the Wi-Fi network, which enables them to utilize external connections during events at the Moulin Rouge.

The project, which began implementation with the upgrade of the ticketing system in May 2014, became fully operational before that summer.



### NWA3160-N 802.11 a/b/g/n Business Access Point

- Higher bandwidth and superior performance with 802.11n
- 3-in-1 hybrid AP WLAN including AP controller mode, managed AP mode and standalone AP mode
- Brand new centralized graphic management interface for up to 24 WLAN APs
- Backup redundancy supported to provide reliable connection services
- Secured tunnels for communication between controller and managed AP to prevent leaking of configurations
- Enterprise-class AP functionalities with comprehensive configuration interfaces.
- Built with Low Smoke, Zero Halogen (LSOH) materials for plenum rating for UL 2043 support



### NXC2500 Wireless LAN Controller

- Centralized management for up to 64\* APs
- ZyMesh mitigates complex, inconvenient cabling for Wi-Fi deployments.
- Client steering enhances efficiency of wireless spectrum utilization.
- Auto healing maximizes Wi-Fi service availability.
- Seamless integration with external AD, LDAP, RADIUS authentication
- Best investment protection with built-in RADIUS server

\* Management of 64 APs is supported with firmware version V4.10 or above

### About ZyXEL Communications

ZyXEL Communications Corp., founded in 1989 and headquartered in Taiwan, is the leading provider of complete broadband access solutions. As one of the early modem manufacturers, ZyXEL has gone through transformations in the fast-paced networking industry. Delivering cutting-edge communications innovations to more than 400,000 businesses and more than 100 million consumers throughout the world, today ZyXEL is one of the few companies in the world capable of offering complete networking solutions for Telcos, small to medium-sized businesses, and digital home users for a wide range of deployment scenarios. Telco solutions include Central Office Equipment, Customer Premise Equipment, Wired and Wireless Access Network Devices, and Carrier Switches. SMB and Enterprise solutions include Unified Security Gateways, LAN Switches, WLAN, and IP Telephony. Digital Home solutions include Network Connectivity Devices and Multimedia Solutions.

The company has 1000 employees and distributors in 70 countries, reaching more than 150 regional markets. The ZyXEL Communications Corp. includes 35 subsidiaries and sales offices and two research and development centers worldwide. For more information, visit the company's Website, <http://www.zyxel.com>.

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