# Addressing Cross-Site Network Challenges for Continuous Operations

## Overview

The Katrina Group struggled to strike a balance between managing the equipment and maintaining network quality across all the outlets in Singapore. Before deploying Zyxel Networks' solution, managing networks spanning multiple sites was a headache. However, with the implementation of the Nebula cloud networking solution coupled with SPTel's clean-pipe solution, they achieved peace of mind. Now, their IT team can manage their networks remotely and effortlessly from a unified dashboard, handling everything from security firewalls to switches and access points while responding faster to cyberthreats.

## Challenges

The Katrina Group faced network performance and stability issues with their current equipment, prompting them to seek alternatives and avoid costly license fees. They require more reliable equipment with essential features to ensure continuous operations.

## Solutions

After evaluation, Katrina opted for Zyxel Networks' Nebula cloud networking solution, including access points, switches, and security firewalls, all managed through the cloud. NWA1123ACv3 access points were deployed for reliable network connectivity, boasting speeds of up to 1.2Gbps and prioritizing RF performance. Their optimized designs ensure wide coverage, high speed, and smooth WiFi experiences for users. Additionally, the access points feature an active portal function for network access by guests to strengthen network security protection.

**Customer**
Katrina Group

**Industry**
Hospitality

**Location**
Singapore

**Partner**
Go Nimbus
SPTel

**Customer Background**
Katrina Group manages chains of restaurants and cafes, featuring a variety of F&B brands and concepts. The group runs restaurants across nine distinct F&B brands, each tailored to offer diverse dining experiences for a broad range of patrons and market segments. Additionally, Katrina operates several boutique hotels under the ST signature brand.

> ## Zyxel Networks' Nebula solution provides the functionality and features usually found in more expensive solutions, but at a more cost-effective price point. The cloud networking solution is easy to learn and user-friendly for the IT team to manage as first responders. With everything on Nebula, networking has truly been simplified.

**Zedy Ng**
CTO, Katrina Group Ltd.

The GS1920-24HPv2 switches played a crucial role in maintaining uninterrupted network operation. These switches efficiently powered the access points, delivering just the right amount of power needed for optimal performance. Their default consumption mode enhances efficiency by delivering power as required.

For comprehensive network security, Katrina chose the USG FLEX series firewalls. The USG FLEX 500 firewall, installed at the headquarters, provides a unified cloud-based management for robust protection. To secure remote access, USG FLEX 50 firewalls were installed in hotels and restaurants to provide comprehensive cybersecurity protection, offering various VPN connection options. To further strengthen network reliability and security, Katrina partnered with SPTel, renowned for their expertise in network infrastructure. Leveraging their diverse fiber network delivering <1ms network latency and DDoS attack detection for faster response to cyberthreats.

## Results

Nebula's cloud-based self-provisioning feature streamlines the deployment process, making it easy, fast, and plug-and-play, even for locations with limited IT expertise. Auto-configuration, provisioning, monitoring, and diagnostics can all be carried out remotely, at any time and from anywhere, ensuring hassle-free network administration. The intuitive interface empowers IT staff to configure, manage, and troubleshoot distributed networks effortlessly from a single interface, eliminating the need for complex remote site access.

- Stable and secure WiFi connectivity
- Affordable, intuitive, and automated network management with high reliability and scalability

## Product List

- NWA1123Acv3 Access Point

- GS1920-8HPv2 Smart Managed PoE Switch

- USG FLEX 500/USG FLEX 50 Firewall