



## Zyxel helps Cooperativa de Los Surgentes upgrade to a high-performance, easy-to-manage FTTH network

Cooperativa de Los Surgentes provides internet, telephone, and television access to more than 1,200 clients, accounting for one-third of local residents. Hindered by outdated and obsolete copper infrastructure, Cooperativa de Los Surgentes has struggled to continue delivering quality services to its customers. Thanks to Zyxel's flexible, cost-effective GPON FTTH Solutions, Cooperativa de Los Surgentes improved network performance and expanded connections to every corner of the community.

Los Surgentes is a town located in the province of Córdoba, Argentina that has around 3,500 inhabitants. The area's primary economic activity is agriculture with more than 40,000 hectares planted.

Increasing demand for faster internet and higher bandwidth led Cooperativa de Los Surgentes to seek a technology partner to help them upgrade their existing DSL infrastructure to an FTTH network.



Los Surgentes Cooperativa of Public and Social Works and Services was founded in 1983 to satisfy different social services, including potable water, sewers, burial, orthopedics, internet, telephony, and television.

**"Thanks to this partnership, we knew we had made the right decision at the end of the project, which was successfully completed in a very short period of time."**

**Marcel Tallone & Ariel Osellame**  
Technical Chiefs, Cooperativa de Los Surgentes

Cooperativa de Los Surgentes selected Zyxel GPON End-to-End Solutions with OLT1408A 1U Pizza Box 8-port GPON Optical Line Terminal and PMG5617GA Dual-Band Wireless AC GPON HGU. The OLT1408A supports multiple interfaces and up to 1K connectivity, which provides superior scalability for future bandwidth demands. The PMG5617GA delivers stable, high-speed wired and wireless connectivity throughout subscribers' homes.

In addition, incorporating powerful remote management features, Zyxel Solutions help Cooperativa de Los Surgentes accelerate deployment and simplify daily network maintenance. The partnership with Zyxel brought numerous advantages, including reducing the amount of equipment in the data center, improving service quality, and providing greater bandwidth to customers.

"We need a good technology partner both to advance our business operations and to better serve our customers. At the end of our research, we chose Zyxel products," said Marcel Tallone and Ariel Osellame, Cooperativa de Los Surgentes Technical Chiefs. "We knew we had made the right decision at the end of the project, which was successfully completed in a very short period of time, according to our requirements. Thanks to everyone who contributed."

## Main challenges

Cooperativa de Los Surgentes has struggled to continue providing quality services to its customers due to old and obsolete copper infrastructure.

## Zyxel solutions

- Zyxel OLT1408A Pizza Box 8-port OLT provides up to 1K FTTH connectivity with split ratios of up to 1:128.
- Zyxel PMG5617GA Dual-Band Wireless AC GPON HGU with 4-port GbE LAN delivers Gigabit-speed WiFi connectivity.
- Zyxel NetAtlas EMS offers a robust management, deployment, and provisioning solution.

## Core benefits

- Flexible, cost-effective GPON FTTH Solutions expand quality connections to every corner of the town.
- Centralized remote management system accelerates deployment and simplifies daily network maintenance.

## Featured products

### OLT1408A

1U Pizza Box 8-port GPON OLT

- Eight ITU-T G.984-compliant GPON ports; each port supports up to 128 ONTs
- Four 10G, eight 2.5G and eight 1G uplink ports
- Comprehensive QoS for enhanced triple-play experience
- Field-proven IGMP snooping and proxy for IPTV deployments
- Sophisticated OAM&P features
- Compact size and front access design for easy installation and deployment
- Zero-Touch Provisioning for fast ONT commissioning
- Layer 3 routing support and ACL for improved network traffic control



### NetAtlas

NetAtlas Element Management System

- Intuitive Graphical User Interface (GUI)
- Fast system recovering
- Up to 300 concurrent remote login clients
- Periodical configuration file backup
- Batch firmware upgrade and service provisioning
- XML/SOAP northbound interface supported

### PMG5617GA

Dual-Band Wireless AC GPON HGU with 4-port GbE LAN

- Concurrent dual-band wireless circuit design
- Remote management via OMCI and APS
- Zyxel-developed OPAL for superior flexibility and faster time to market



For more product information, visit us on the web at <https://service-provider.zyxel.com>

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Customer story [Cooperativa de Los Surgentes](#)

