

Digital Inclusion Case Study: Pronatel Bridging the Digital Divide in Peru

Pronatel (Programa Nacional de Telecomunicaciones) is Peru's national telecommunications program advancing digital inclusion through high-speed connectivity



Executive Summary

The Challenge

- Upgrading the regional broadband infrastructure in four remote regions
- Provide high-speed connectivity to support essential public services

The Solution

- Gilat Peru collaborated with the Peruvian government to perform a major infrastructure modernization
- Deliver high-speed internet to public institutions, including schools, health centers, and police stations

Benefits of Gilat

- Extensive experience implementing complex connectivity projects throughout Peru
- Uniquely qualified to carry out this critical migration in record time



The Broadband Project [...] includes providing Internet access service to public institutions (schools, health posts, police stations) located in [hundreds of] population centers. It is worth mentioning that the addendums for the broadband projects were signed by Pronatel's Executive Director, Alain Dongo Quintana, and the representative of Gilat Networks.

Pronatel reaffirms its commitment to continue joining efforts to accelerate the expansion of coverage, access and use of the Internet, improvement of digital skills, digital literacy, among others, in order to generate more development opportunities for all.



Alain Dongo Quintana, Executive Director
Pronatel National Telecommunications Program

The Challenge:

Pronatel, Peru's national telecommunications program is chartered to advance digital inclusion through high-speed connectivity in Peru. The challenge in this project was to upgrade the regional broadband infrastructure of four Andean regions: Apurímac, Huancavelica, Ayacucho, and Cusco.

The requirement was to extend high-speed connectivity to support essential public services, as well as public WiFi hotspots for entire communities. The challenge was to deliver 200 Mbps directly to nearly 1,000 public institutions, across the southern Andes, further advancing Peru's Digital Inclusion goals.

The Solution:

Gilat Peru collaborated with the Peruvian government to perform a major infrastructure modernization to bring high-speed internet to a variety of public sectors. The initiative benefits public institutions, including schools, health centers, and police stations, located in more than 280 localities across the Andean regions.

Through this upgrade, Gilat Peru is enhancing the capacity of regional networks originally implemented almost a decade ago, ensuring that they now meet the demands of a connected society. The project strengthens the operational capacity of essential government services by enabling better access to virtual education, telemedicine, and digital administration platforms.

In Cusco, the modernization effort also includes the installation of 69 public Wi-Fi hotspots in rural plazas, expanding access to connectivity for entire communities. In total, the project involves the deployment of close to 1000 kilometers of new fiber optic infrastructure, creating a robust foundation for future bandwidth expansion and technological growth.

The project required broadband technology of optical fiber cables that run directly from the provider's network. Like Fiber to the Home (FTTH) the project was Fiber to the public institutions to provide extremely fast and reliable internet by transmitting data as light signals. The solution makes available massive bandwidth, low latency, and future-proof scalability for streaming, remote work, and multiple connected devices.

The project is a full turnkey project including the solution components such as fiber optic cables, concrete poles, telecom equipment installation and configuration data centers, permits for authorization and fiber optic installation.

The Gilat Advantage:

Gilat Peru has over 25 years of local expertise in complex end-to-end digital inclusion projects throughout Peru working closely with the government in place. Gilat is equipped with superior technology, proven execution, operation capacity and deep know-how of implementation in the most difficult terrains.

This project leverages Gilat's ongoing partnership with Pronatel and joint values underscoring the commitment to bringing advanced connectivity to even the most remote regions.

Timely execution is another advantage of Gilat Peru due to its experience and expertise in complex projects making it uniquely qualified to carry out this critical migration in record time. Quick and efficient high-speed infrastructure is used to strengthen critical public services in Peru's rural communities.

The upgrade of the regional broadband networks across these four Andean regions was conducted by Gilat Peru delivering major success. Furthermore, it is laying the groundwork with a strong scalable foundation for future bandwidth growth in areas that need it most.

This significant step in bridging the digital divide and empowering rural communities in Peru brings to them services comparable to large towns enabling teachers and students to progress with "proper" communication.

