Digital Inclusion Case Study:
CFE TEIT Mexico for Bridging the Digital Divide

CFE TEIT–Comision Federal de Electricidad Telecomunicaciones e Internet para Todos – Electrical Power Utility delivering Telephony and Internet for All

Executive Summary

The Challenge

- Closing the digital divide by connecting the unconnected with the greatest possible economic efficiency
- Provide free and affordable internet access to all of Mexico, especially to underserved and remote communities

The Solution

- More than 1600 towers are served with Gilat's satellite technology
- Over the years CFE TEIT has been providing an assortment of connectivity solutions with multiple partners to deliver internet access to its population
- Connectivity solutions include both terrestrial and satellite solutions to be able to provide timely solutions most cost effectively

Benefits of Gilat

- Gilat brings close partnerships with satellite operators, service providers and other local expertise
- Cost effective renowned technology for both terrestrial and satellite projects for Digital Inclusion

CFE Internet
Telecomunicaciones para todos

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Hispasat chose Gilat due to its leading technology, global expertise and local presence, for providing services to two of the most important cellular connectivity projects in Mexico.

These CBH projects follow the ongoing successful CBH, enterprise and government projects powered by Gilat and are testament to our confidence in Gilat's multi-application platform, enabling us to most efficiently support our satellite connectivity needs, addressing large projects in Latin America.

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Pablo Hoyos, VP of Operations in Hispasat

The Challenge:

CFE TEIT is a Mexican federal agency and subsidiary of the national electric company, CFE. The agency has become the government's social project for bridging the digital divide to connect the unconnected, by integrating all people and areas into the digital world with the greatest possible economic efficiency. The goal is to expand internet access to all Mexican citizens as part of the "Internet para todos" (Internet for everyone) initiative.

The government challenge at the start, in 2013, to increase internet access had to overcome the exorbitant costs of laying out land-based infrastructure for sparsely spread populations in a difficult terrain. Not only the costs were high but the time such a project would take was not acceptable.

The declared goal in 2030 to achieve full internet coverage is supported by four key initiatives: free internet access points, cellular coverage with social tariffs, a fiber optic network, and a last-mile project.

The Solution:

Already in 2013 the government announced telecom reforms that were designed to substantially reshape the industry and increase internet access at that time available to only 70% of the population. In 2018, Red Compartida, the wholesale wireless network, was developed by ALTÁN Redes, a private Mexican company. Gilat's satellite technology was instrumental in this project. In 2021, an agreement was made between the government and the three biggest telecommunications providers to use Red Compartida infrastructure to offer fourth generation) services to localities with under 5,000 inhabitants. More than 1600 towers are served with Gilat's satellite technology.

Gilat provided to these MNOs superior satellite cellular backhaul technology with a user experience no less than a terrestrial experience. In partnership with Hispasat, Gilat enabled Altán La Red Compartida to deliver quick and efficient service across rural Mexico. Gilat's satellite platform enabled a comprehensive managed service that includes the satellite equipment, installation, operation, and maintenance of the service.

In 2024, ALTÁN Redes was acquired by CFE TEIT. Over the years the government agency deployed projects with multiple partners delivering both satellite and terrestrial connectivity to address the connectivity needs in the timeliest and most cost-effective way. At the start of 2025 83% of the population in Mexico were connected, an increase in 13% from the initial reforms.

The Gilat Advantage:

Gilat is a significant player with a long history of success in bridging the digital divide worldwide and in Latin America in particular. Multiple turnkey projects have been deployed with utmost satisfaction in Mexico as well as in countries throughout South America such as Peru, Brazil and Argentina.

In Mexico for the CFE TEIT project Gilat leveraged its superior cellular backhaul technology over satellite to broaden and expand service for leading MNOs. Gilat's solution is designed to provide the benefits of true LTE performance for excellent user experience. Patented embedded acceleration techniques were built to overcome the inherent latency in satellite communications.

An additional strong advantage is Gilat's close partnerships with satellite operators and service providers such as Hispasat as well as local relationship in Mexico to ensure cost effective, timely end to end service.

Furthermore, end-to-end projects include large terrestrial based connectivity as implemented throughout Peru.

Digital Inclusion is a core value at Gilat and as such the commitment and personal engagement in successful implementation is very high.

CFE TEIT Nationwide Coverage
Bringing quality communications to every corner of the country

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