Source: Trover.com

Overview

From the INEGI 2016 survey, the number of internet users in Mexico reached 62.4 million in 2015, representing 57.4% of the population. While only 40% of households had an internet connection, this was up 4.8% from 2015. In the city of Mérida in Yucatán, a large majority of the population are accessing the internet via smartphones. The municipal government who currently leads by Mr. Mauricio Vila Dosal, has decided to provide free WiFi in the major districts of Merida City to boost the local economy and tourism.

Estratel is appointed by the municipal government to design and build the city-wide WiFi network. Following a set of successful trials, Altai Super WiFi Solution is selected as the solution of choice for this city-wide wireless project. Altai A2-Ei's and A2's are mounted on lampposts in four major areas in Merida city to provide extensive outdoor network coverage.

Altai Super WiFi products have been well-proven for their superior performance in many deployments worldwide. Utilizing the patented smart antenna and AirFi technologies, the Altai A2-Ei and A2 are able to provide large area coverage and high capacity wireless connections even in the most crowded areas in Merida city. The local residents and visitors can enjoy stable and fast WiFi for free in the city.

Customer Name:
Municipal Government of Merida City
Alfa2mil9 (distributor)
Estratel (system integrator)

Deployment Location:
Merida City in Yucatan, Mexico

Application:
City-wide WiFi network

Products used:
Altai A2-Ei, A2 and AWMS

Result:
Without complicated cabling and configuration, the entire deployment process took just a month. The local residents and tourists can enjoy free WiFi in the major areas of the city.

The Challenge

- Large area coverage and high user capacity
- Fast deployment with minimal installation
- Lack of tall buildings for installation

The Solution

A2-Ei's and A2's are mounted on lampposts in four different districts to provide extensive WiFi access.

Most of the hotspots are installed with one access point only while some crowded areas have two to cope with high usage. Bandwidth per user is limited to 2Mbps while the number of concurrent user per access point is 90. Since there are many hotspots scattered around the streets of the city, the operator manages the network through the Altai Wireless Management System ("AWMS").

The Result

The free WiFi service launched in this March. The long range Altai Super WiFi Solution has removed the need for expensive cabling and wiring, thus saving significant cost and time in installation. With a user-friendly interface, the network operator can configure the access points easily. Furthermore, the network operator can manage and monitor the network remotely via AWMS.

With fast and reliable connectivity across the city, local residents and tourists are now able to stay connected with different applications and tourist information.

About Altai

Altai Technologies is a leading supplier of carrier-grade Wi-Fi products and technologies with a distribution network reaching 100 countries. Altai Super WiFi is the leading solution for vertical industrial markets, covering over 200 terminal ports and airports globally.

The Altai Super WiFi Solution includes a complete portfolio of indoor and outdoor products for carriers, WISPs, and enterprises to support a wide range of applications such as mobile data off load, public access, WLAN access, and backhaul.

Utilizing patented smart antenna technology, as well as a cloud-based management system called AltaiCare, the Altai Super WiFi Solution is designed from the ground up to deliver Wi-Fi networks that have unprecedented performance, reliability, scalability, and manageability.

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