



## Overview

Built in 300 B.C. as the centerpiece of an enormous city, the holy city of Teotihuacan in Mexico is often compared to ancient Rome. Located 50km north-east of Mexico City, the park covers a total surface area of 83 sq. km. and was designated a UNESCO World Heritage Site in 1987.

With annual visitors of over 1.9 million, the Teotihuacan Park is ranked as one of the world's most-visited ancient ruins. In order to attract more tourists to the site, the park operator has decided to provide more site information through a mobile app via its WiFi network.

Sponsored by Hyundai, the WiFi network is designed by Syscom, a leading distributor in Mexico and installed by Axdinet Comunicaciones, a system integrator, who selected Altai Super WiFi Solution due to its superior coverage and high user capacity.

With free WiFi connections, visitors can surf site information through the parks mobile app while they are visiting the Teotihuacan Pyramids.

**Customer Name:**

Teotihuacan Park  
Hyundai (project sponsor)  
Syscom (distributor)  
Axdinet Comunicaciones (system integrator)

**Deployment Location:**

Teotihuacan, Mexico

**Application:**

Private WiFi network

**Products used:**

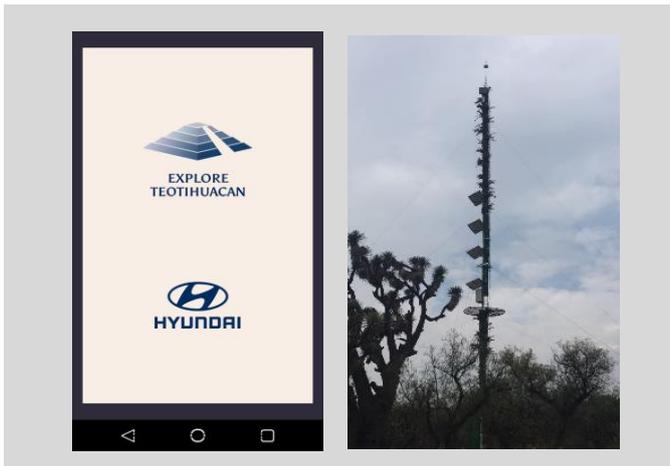
Altai A8-Ein and AltaiCare

**Result:**

With full network coverage, visitors can surf the park information via the Teotihuacan Pyramids mobile app using the free WiFi network. The network operator can also manage and operate the network through AltaiCare.

## The Challenge

- Wide area coverage and requires rapid deployment
- Lack of installation sites and electricity supply
- Strict requirements on site installation including tower construction
- High user capacity, the network must be able to handle 2,000 concurrent users



## The Solution

Owing to the size of the park, four sites around the border of the archeological park are selected for tower construction with each being 22m tall. A8-Ein are mounted on these towers to provide 1.5km LOS WiFi coverage. Solar panels are also installed on the towers to provide electricity to the WiFi base stations. Over 1Gbps bandwidth are shared among all the sites to provide WiFi connectivity.

A Network Operation Center is set up to operate the WiFi network. AltaiCare, a cloud-based management system is also used to manage and monitor the network.

## The Result

With AltaiCare, the network operator can configure the base stations and manage the network easily. The WiFi network went live in just a few days to provide full coverage in the park. Visitors can now surf the park information by downloading the Teotihuacan Pyramids mobile app through the free WiFi network.

## 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 WiFi networks that have unprecedented performance, reliability, scalability, and manageability.

## Contact Us

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