



## Overview

Established in 1990, the Ibn Zohr University (Université Ibnou Zohr "UIZ") is a public higher education institution located in Agadir of Morocco.

The initiative to deploy a Wi-Fi network throughout the campus of the Faculty of Science enables various mobile applications within the campus, and encourage interactive learning among students and professors.

The university approached Altai's partner in Morocco to conduct a site survey and recommend a wireless solution that would provide both students and staff with fast and reliable connectivity across its campuses.

After several trials, Altai's Super WiFi Solution was quickly identified as the best-fit solution as it has been proven effective in many schools and universities across different regions.

The award-winning Altai Super WiFi Solution has significantly improved the Wi-Fi signal coverage by 10 times per access point and 5 times the capacity to provide 100% indoor and outdoor coverage.

**Customer Name:**  
Ibn Zohr University

**Deployment Location:**  
Agadir, Morocco

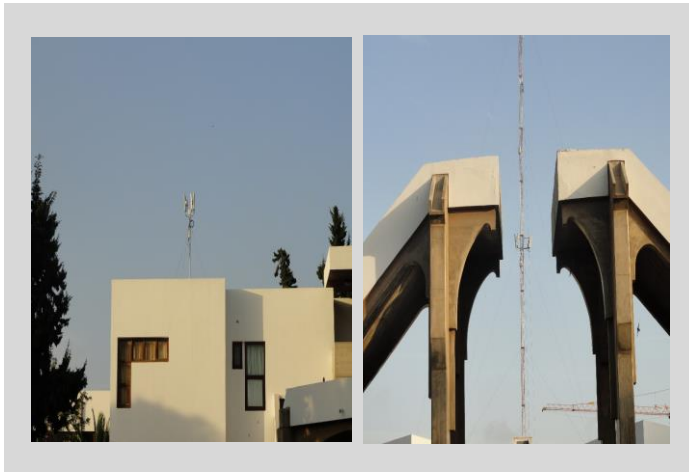
**Application:**  
Private Wi-Fi network

**Products used:**  
Altai A8n, A2, C1n and AWMS

**Result:**  
The Altai super long range Wi-Fi technologies provide extensive network coverage for the whole university. The new wireless network has enabled many new mobile applications and encourage the communications among students and professors.

## The Challenge

- Very dynamic environment such as huge campus size, higher user capacity and high network security
- The wireless network covers both indoor and outdoor area
- Fast deployment and scalable solution



## The Solution

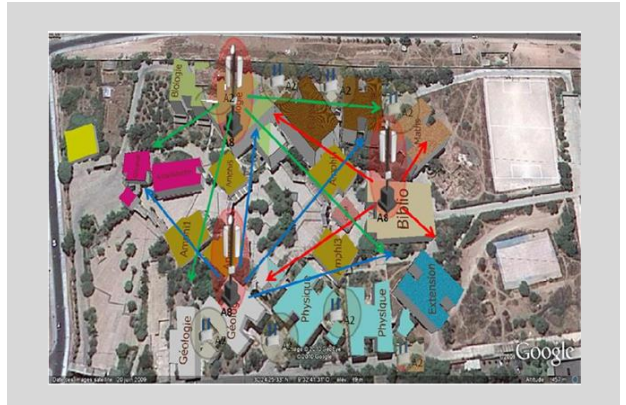
With various antenna downtilt on different sectors, the Altai A8ns' are installed on light poles to provide large area outdoor Wi-Fi coverage while C1ns' are used as CPE's to extend the Wi-Fi signal from outdoor to indoor areas.

As well, Altai A2s' are installed to provide micro coverage in some corner areas. In order to manage the network effectively, all the access points are connected with the Altai Wireless Management System ("AWMS") for network management and monitoring.

## The Result

Campuses are challenging environments for wireless networks because of the campus size, and high user capacity. Altai's patented Super WiFi solution provided the coverage, user density, security and bandwidth that UIZ required for not only today, but it can also scale to accommodate its future growth.

The network expansion plan will be kick-off in the first half of 2018 to cope with the increasing number of users.



## 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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