



Overview

In line with its commitment in achieving nationwide digital transformation, the Malaysian government has initiated the National Digital Infrastructure Plan (JENDELA) which is the core to realizing the aspiration of a digital nation with the vision of shared prosperity by 2030.

Among the efforts focused is to expand Internet access, especially in rural areas. The Malaysian Communications and Multimedia Commission (MCMC) is rolling out satellite broadband access services for 839 remote locations including the Orang Asli (indigenous) settlements located far from existing telecommunication network facilities.

This project will enable residents to enjoy free Wi-Fi service with an average speed of 35Mbps.

MCMC has selected Altai Super Wi-Fi Solution which allows long range Wi-Fi coverage with outstanding RF performance. The deployment adopting Altai Super Wi-Fi allows remote areas which are not reachable by conventional telecoms infrastructure to have broadband Internet access.

Customer Name:

The Malaysian Communications and Multimedia Commission (MCMC)
Aglotel (distributor)

Deployment Location:

Cameron Highlands, Malaysia

Application:

Wi-Fi broadband coverage for rural villages

Products used:

C1n

Result:

The coverage of Altai Super Wi-Fi signal is much larger than the footprint of any standard access points, therefore with much smaller number of access points but better RF signal coverage at a lesser cost, Altai's patented smart antenna technology brings internet access to the farthest corner of Malaysia.

The Challenges

- **Terrain** - The Orang Asli settlements are located in remote jungles with challenging terrains including dense tropical jungle trees preventing good Wi-Fi signal penetration to designated areas
- **Houses distribution** - The village settlement houses are widely distributed. Some houses are obstructed by tall trees
- **Manageability** – Large-scale Wi-Fi deployment requires an user-friendly and versatile management platform



The Solution

The coverage of Altai Super Wi-Fi signal is much larger than the footprint of any standard access point, therefore meeting the expectation for rural Wi-Fi network. Fewer number of access points and sites are required to serve a large community of village houses. Deployment process can be concluded much faster.

Together with AltaiCare, a cloud-based network management platform and controller, all Wi-Fi access points can be monitored and managed on a single architecture platform to save the cost of on-premises controllers.



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 container ports, manufacturing plants and warehouses 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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