



## Overview

Hindustan Zinc Limited (HZL) is a mining and resources producer of zinc, lead, silver and cadmium. It is a subsidiary of Vedanta Resources PLC and is the world's second largest zinc producer.

The company has recently been upgrading their internal WiFi system for the employees' residential area. However, the environment of the residence area is a big challenge for any WiFi products provider. First of all, the residences are scattering among a very large area, with most of the building constructed with cement, which WiFi signal cannot penetrate. In addition, the WiFi devices have to be mostly deployed in outdoor area that is covered by plantation, another obstacle of wireless signals.

HZL has reached out for a number of telecommunications experts including Rukus and Cambium, but ultimately, the solution selected by HZL is provided by Altai Super WiFi. Due to its smart antenna technology, Altai's AP can cover an area much larger than any standard AP and remain a strong and stable signal strength. After experiencing Altai products' performance and endurance of harsh environment, HZL recognized that they have found the best solution for their employee residents.

**Customer Name:**

Hindustan Zinc Limited (HZL)  
JNS Systech Pvt Ltd (Distributor)

**Deployment Location:**

India

**Application:**

WiFi network for mobile operation and system management

**Products used:**

A2e, AX500, A8n, CX200, C2s, AltaiCare On-Premise

**Result:**

A combination of A2e, AX500, A8n, CX200, C2s, with support of AltaCare On-Premise, has been deployed. Altai's solution satisfied all requirements set by HZL including strong signal strength, endurance to

## The Challenge

- Serious blockage by plantations
- Large number of concurrent users
- Large area coverage



## The Solution

A combination of A2e, AX500, A8n, CX200, C2s has been deployed. The latest version of AltaiCare On-Premise equipped with the AD implementation is used as the network controller.

## The Result

After Altai's wireless network being deployed, the network quality of the employee residential area has been greatly improved. HZL is not only surprised by Altai products' transcendent performance, comparing with its competitors, in environment covered by plantation, but also how Altai's solution can help in reducing cost of ownership, by using a much smaller number of equipment than any other WiFi providers.



## 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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