



## Overview

Container Corporation of India Ltd. (CONCOR) is the market leader in the container ports and logistics industries in India. To cope with the quick development and on-going expansion of the company, CONCOR decided to deploy a Radio Data Terminals supported by a reliable wireless network.

When approaching Altai, CONCOR clearly expressed that they expect to have a network that can be able to help CONCOR to accurately manage the data from the field and validate from the database of their ETMS/DTMS/CCLS. The entire area includes stack area, rail side, yards, administrative building and warehouses etc. The wireless network is required to cover all mentioned areas without any blind spot or down time. At least thousands of containers are densely stacked at the height of five containers.

CONCOR's requirements are challenging for standard WiFi products in the market especially for such large outdoor and dense environments. However, with the patented smart antenna technology, Altai's Wi-Fi base-station is able to provide coverage to a much larger area than any standard AP with strong and stable signal strength. CONCOR is totally satisfied with Altai's solution which doesn't not only satisfy their requirements but also significantly improved CONCOR's operation efficiency.

**Customer Name:**

Container Corporation of India Ltd.  
(CONCOR)  
Suraj Informatics (distributor)

**Deployment Location:**

India

**Application:**

Radio Data Terminals with Large Area Wi-Fi Infrastructure

**Products used:**

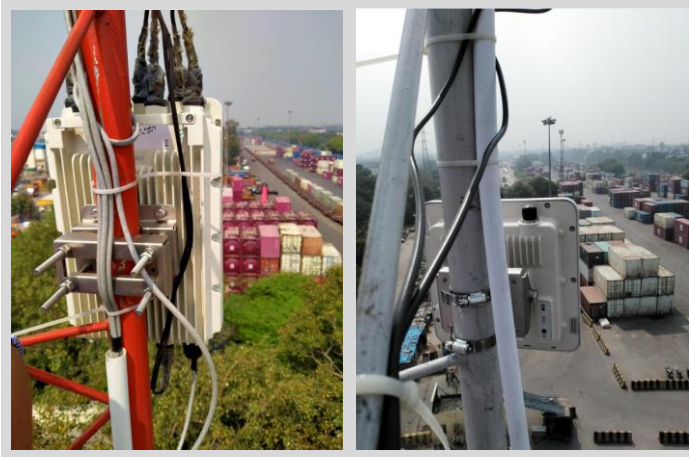
A8n, A2, Access Controller

**Result:**

With Altai's wireless network in place, the operation process has been highly improved. Altai has enabled real-time data transmission and remote management for the CONCOR's ports. CONCOR's operation team can now easily locate each container and draw data immediately whenever they need.

## The Challenge

- Large area outdoor coverage with metal containers densely surrounding the environment (metal is obstacle for WiFi signals)
- Limited sites for equipment installation
- Large number of devices sharing the network



## The Solution

Standard access points are not suitable for deployment in container yard due to signal blockage by cranes and container stacking. Following extensive trials with a number of different wireless broadband solutions, Altai has been selected by CONCOR for its outstanding performance in such challenging environment.

In this deployment, Altai's A8n(ac) Wi-Fi base-stations, A2 bridges and Access Controller have been used at different locations with redundant coverage for large area coverage and network management.

## The Result

Altai's solution has enabled CONCOR to remotely manage their multiple Inland Container Depots (ICD) locations. With Altai Super WiFi, CONCOR's ICD management team can now easily locate a container and obtain data of it in a minute, which has greatly facilitated daily operations and brought significant improvement in terms of operation efficiency. CONCOR is highly satisfied by the result brought by Altai's transcendent wireless technology.

## 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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