



## Overview

Hong Kong Science and Technology Park Corporation ("HKSTP") is a statutory body that has one simple goal – to transform Hong Kong into the regional hub for innovation and technology development.

In an effort to support the increasing application development of park tenants and to provide free wireless access to park visitors, the management of HKSTP has initiated a network upgrade and expansion across phase 2 of the park.

HKSTP has appointed Welfare Electronic ("WECL") to design the Wi-Fi network using Altai Super WiFi solution, following a full assessment of a number of vendor options available on the market. WECL recommended Altai Super WiFi solution which is proven to be a reliable and highly scalable wireless broadband solution but with a significantly lower total cost of ownership.

With the new Wi-Fi network available, it has greatly improved the network throughput and coverage area. To provide a stable and super-smooth Dual Band WiFi network for over 500 Concurrent users, all park tenants and visitors can enjoy free Wi-Fi for mobile application testing or web surfing around the park.

**Customer Name:**

Hong Kong Science Technology Park  
Welfare Electronic Component Ltd.  
(Distributor)

**Deployment Location:**

Hong Kong

**Application:**

Free Wi-Fi network

**Products used:**

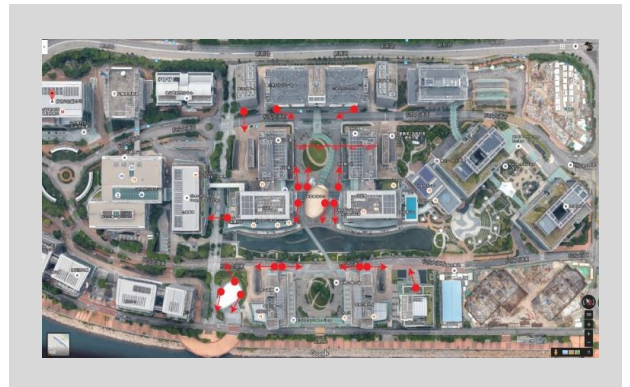
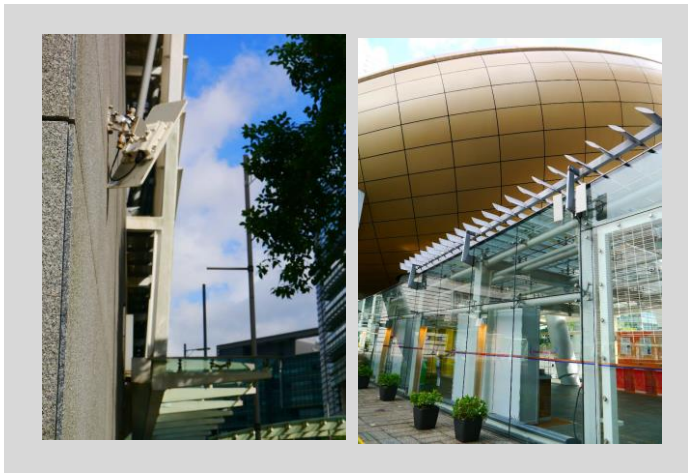
Altai A3-Ei

**Result:**

The new Wi-Fi network has significantly increased the network usage due to its stability and coverage size. At peak, the maximum number of concurrent users is over 500 users. With free Wi-Fi access, the park tenants can test their mobile applications around the park. Park visitors can also check the park information through the free wireless network.

## The Challenge

- With an area of over 260,000 sq.m., HKSTP required 100% coverage of the outdoor area of phase II
- High capacity and low latency network
- Fast deployment and scalable solution



## The Solution

The Altai A3-Eis' are installed outside the buildings to provide large area outdoor Wi-Fi coverage. Equipped with patented smart antenna technology, each A3-Ei is able to provide over 150m coverage radius in the LOS environment.

The Altai Super WiFi solution has greatly reduced the number of access point required per sq. km., resulting in much lower OPEX and CAPEX.

## The Result

The ease and speedy deployment of Altai Super WiFi, WECL was able to quickly deploy the network under the requirements laid out by HKSTP.

By using Altai Super WiFi's solutions, HKSTP is able to deliver the required outdoor broadband connectivity to park tenants and visitors, which resulted in higher network reliability and much improved customer satisfaction.

## 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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