



Company Update

Altai Partners with Sun Global Broadband to Enable a Smart City Wireless Network in Hawaii

Following Altai's successful smart city deployments in different regions such as Mexico, South Africa, China, India, Malaysia, Hong Kong and more, it has partnered with Sun Global Broadband ("SGB") to provide wireless connectivity for this amazing city.

Spreading over 177sq.km., phase 1 of the island-wide Wi-Fi network has been completed with outdoor wireless coverage from Diamond Head, Waikiki, Ala Moana to Ward Villages. SGB's wireless network serves as an unparalleled wireless enabler to SGB's partners including Municipality, MNO's and Enterprises, for different revenue-generating Wi-Fi services and smart city applications. SGB's unique network design provides low latency, high availability for superior quality HD video streaming, efficient VoWiFi, and highly robust connectivity for smart city applications.

Unlike other access points, Altai's 8x8 MIMO smart antenna technology is able to provide much wider and larger overlapping macro coverage with significantly less AP's. The technology also offers a seamless roaming Wi-Fi experience to any mobile device. Combined with AltaiCare, a powerful cloud based controller with AP and access management, advertising engine, big data analytics and more, it allows SGB to manage the wireless network under one touch. SGB has benefited in a significant reduction of the total cost of ownership and a much faster scale of deployment. The new Wi-Fi network is like a cellular network at a fraction of the cost.

Altai's patented Super WiFi technologies provides the foundation of the smart cities of tomorrow. When cities are becoming more connected, all stakeholders can benefit. MNO's can benefit from the revenue generation and governments can make wiser decisions from the smart data collected through the network. In general, connectivity can indirectly help improve the sustainability of a community or in a larger scale the country's economy.



Altai provides high speed long range Wi-Fi in Hawaii

Company Update

Altai Enables the Wireless Connectivity of the World's Largest Automated Container Terminal Port in Shanghai



The port has started the trial operations in this Dec

Located at the south of Shanghai, the Yangshan Port is one of the three major constituents of the Shanghai Port, and one of the busiest port facilities in the world. With increasing container shipment volume, phase four of the Yangshan Container Port has started trial operations of the world's biggest automated container terminal.

Phase 4 of the Yangshan Port occupies 2.23 million sq.m. and occupying a 2,350 shoreline. In order to automate the handling equipment, a high performance, zero downtime wireless network is required to cover the entire port. Ecloud Information Technology ("Ecloud"), a leading local system integrator is appointed by Yangshan Port to design and build the Wi-Fi network for the port. After several trials, the Altai Super WiFi solution

was identified as the best-fit solution based on its superior performance and field proven experience in over 200 terminal ports around the globe.

Ecloud deployed a number of Altai A8n to provide extensive network coverage for the entire port, including bridge crane, rail-mounted gantry crane etc. In the meantime, Altai A2c were deployed to provide wireless connection for site offices. One of the biggest advantages of the Altai Super WiFi Solution has been its ability to extend the Wi-Fi coverage to up to 1.7km in line-of-sight environments and required significantly fewer base stations, unlike the conventional access points. Even when there is high interference, the patented super interference immunity technology of Altai base stations is able to select the channel with the least interference at all times to provide a stable wireless connection.

Once the Yangshan Port phase 4 enters full operation, it will initially be able to handle 4 million TEUs. The number will expand to 6.3 million TEUs at a later stage.

Jamaa el-Fna of Marrakesh Deploys Super WiFi to Support Its CCTV Network

Located beneath the foothills of the Atlas Mountains in the heart of the Medina, Jamaa el-Fna has served as Marrakech's main market square since its foundation in the 11th century. It is a lively source of entertainment for the local community as well as travelers, the marketplace functions as both a traditional market and an open-air stage for various musical, religious, and theatrical performances.



Altai provides a cost-effective solution for video surveillance

In order to improve the security of local residents and tourists across the main square, the management office of Jamaa el-Fna has decided to install surveillance cameras around the main square. Altai teamed up with its strategic partner in Morocco to submit a joint proposal for this project based on Altai's A2 series. With detail site survey and planning, the Jamaa el-Fna now has a reliable and high performance Super WiFi network to connect all the surveillance cameras without expensive cabling, thus saving significant installation cost as well as providing them with the flexibility to add additional surveillance cameras in the future.

Altai Super WiFi Wins Deal to Build Wireless Network for Nationwide Financial Institution in Nigeria

Altai and Alepo, a leading core network and IT software solution provider, have been awarded the contract from a nationwide financial institution to build Wi-Fi networks for its branches in Nigeria. Partnered with CV Comms, a local system integrator, Altai will provide high performance Super WiFi solutions for its Wi-Fi hotspot captive portals to offer various value-added financial services to its customers. Altai A3 series will be deployed to provide both outdoor and indoor Wi-Fi coverage across Nigeria. Phase 1 of the project will kick-off in the first quarter of 2018 in 40 sites in Lagos. The new value-added services are expected to roll-out by mid of 2018.



The new services will allow customers to enjoy the bank services via the Altai Super WiFi

Company Event

Altai Wins 2017 IET Innovation Award for Communications



The award has once again proven the superior performance of Altai Super WiFi

Altai has been awarded the “2017 IET Innovation Award for Communications – Highly Commended” by The Institution of Engineering and Technology. The selection of Altai Super WiFi Solution as the Highly Commended winner is based on the outstanding performance of its patented long range smart antenna technology.

The IET Innovation Award is a recognition to a company or an inventor that has significant technology development and advancement. The communications category is one of the 15 categories of The IET Innovation Awards 2017 and it has attracted over 300 entries from around the world.

Altai Super WiFi Showcases at Tradeshows and Conferences in China

Altai has recently participated in various tradeshows and conferences in China to introduce the latest Altai Super WiFi solutions to visitors. Beijing Nodes in China, a leading local distributor had invited Altai to showcase the advantages of Super WiFi solutions for challenging environments such as airports, terminal ports, warehouses etc. in the CeMat Asia (Oct 31 – Nov 3, Shanghai) together. Furthermore, Altai had participated in the China International Industry Fair (Nov 7-11, Shanghai) and China Hi-Tech Fair (Nov 16-21, Shenzhen) to introduce the latest AX500 Super WiFi technologies to potential partners and visitors. The visitors showed strong interest in the new solutions and they shared their experience and insight on the wireless equipment market.



Altai introduced its state-of-the-art Wi-Fi technology in various tradeshows in China

Altai's General Manager of China, Jerry He also represented Altai to present the wireless application for robotics and artificial intelligence at the Greater Bay Area Summit (Dec 1-2, Shenzhen). The audiences were very interested in knowing more about the Super WiFi technology as one access point can connect seamlessly with over 100 clients even when it is in the extreme environments such as production plant.

Upcoming Event

Mobile World Congress 2018

Date: Feb 26-Mar 1, 2018

Venue: 1E20, Hall 1 Fira de Barcelona

Barcelona, Spain

