



Overview

PT2SB is the phase II terminal of the Pengerang Deepwater Terminal development project in Malaysia. The terminal is jointly developed by Petroliaam Nasional Berhad (PETRONAS), Dialog Group Berhad (Dialog), The state of Johor (SSI) and Royal Vopak of Malaysia. It is a significant construction to support the world scale PETRONAS Refinery and Petrochemicals Integrated Development project (RAPID). To keep up with the industry's development and the world trend, the investors have decided to move forward to automation. For the purpose, Altai's partner, Aglotel, has been approached to design and deploy a wireless network using Altai Super WiFi solution.

PT2SB expressed that Altai's products have been selected due to its capability to meet PT2SB's requirements that other competitors cannot meet. With the smart antenna technology, Altai's products can cover a much larger area than any normal AP in the market. In turn, Altai's solution helps greatly in reducing the total cost of ownership.

On the other hand, in order to best serve the network's purpose and ensure the terminal's workers' safety, Altai has equipped with an ATEX certified explosion/fireproof enclosure box for each of the APs in this specific project. With the additional hardware, Altai's deployment was still completed in a short period efficiently. The quality and performance of the network deployed have entirely surpassed the customer's expectations.

Customer Name:

Pengerang Terminals Two Sdn. Bhd.
Aglotel (Distributor)

Deployment Location:

Pengerang, State of Johor, Malaysia

Application:

Private network for internal operations and staff communications

Products used:

A8n(ac), A2(ac), C1n, AltaiCare On-Premises

Result:

The customer is entirely surprised that Altai could not only meet their needs but also exceeded their expectations with a WiFi network with seamless roaming among the whole terminal area and a superb throughput at every corner.

The Challenge

- Large area of coverage for a total area of 157 acres
- Hazardous and everchanging environment



The Solution

The PT2SB terminal has an area of 157 acres. To most of the network equipment providers, this is a large area which their products can hardly provide full coverage and not to mention a seamless roaming.

However, in the deployment for PT2SB, with just only 35 units of APs, Altai Super WiFi is able to provide full Wi-Fi coverage that spread across the entire Deep-Water Jetty of 2Km long and 4Km wide as well as the in-land tank farm storage area.

The Result

According to the feedback of PT2SB's IT Manager, the performance of Altai's products has perfectly match what has been committed in the technical proposal, including but not limited to the throughput, uplink/downlink speed.

Altai's products are now supporting multiple applications in PT2SB which includes terminal operations, maintenance systems and real-time surveillance system etc.

Altai has proven its smart antenna and 8x8 MIMO technology surpasses its competitors even in challenging environments by being able to provide stable Wi-Fi signals inside PT2SB's vessels and jetty terminal.

PT2SB is also expecting to adopt Altai solutions for future deployment of wireless applications. A successful test has already been performed to integrate the Real-time People and Asset Tracking Barrier Management system powered by Altai Super WiFi.

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

Headquarters
Unit 209, 2/F, Lakeside 2, 10 Science Park
West Avenue, HK Science Park, Shatin,
Hong Kong

Phone: +852 3758 6000
Fax: +852 2607 4021
Email: info@altaitechnologies.com

www.altaittechnologies.com