



Source: Google Image

## Overview

Puerto Lirquen, located in the bay of Concepcion in the Bío Bío region of Chile is the largest private port of public service in the country and it manages 250,000 TEU annually. In order to cope with the increasing need to connect real time data and onsite workers, the management of Puerto Lirquen decided to upgrade its wireless network to 802.11ac standard.

The port has appointed TEKSO, a leading local system integrator to design and build the new wireless network with superior performance and high scalability. The new wireless network is designed to connect with the Navis N4 system, a container terminal operating system used in the dock areas to achieve faster turnaround times and improve the efficiency of container handling.

The ease and speedy deployment of the Altai Super WiFi Solution enables TEKSO to quickly deploy the new wireless network for Puerto Lirquen. Following the successful wireless network upgrade, the overall port efficiency has been improved.

**Customer Name:**

Puerto Lirquen  
TEKSO  
(System integrator)

**Deployment Location:**

Puerto Lirquen, Chile

**Application:**

Private Wi-Fi network

**Products used:**

Altai A8, A3 and A2 series

**Result:**

With a stable and full coverage Wi-Fi network, the on-site workers can now transmit real-time data to the central server using the handheld terminals, with the overall work accuracy and efficiency being enhanced.

## The Challenge

- Large coverage area
- High interference at the berths
- Support different types of applications and uninterrupted connection



## The Solution

Conventional access points are not ideal for terminal ports due to the high interference at the berths and Wi-Fi signal blockage by cranes and containers. Following extensive trials with a number of different wireless broadband solutions, TEKSO has selected Altai Super WiFi Solution for Puerto Lirquen's network upgrade project due to its reliability and easy scalability.

Altai A8 and A3 series products are deployed for large area coverage while A2's are used as bridges to provide wireless backhaul. The Altai Wireless Management System is also used to manage and monitor the Wi-Fi network.

## The Result

The Altai Super WiFi technology enables lower cost, high speed throughput applications, over extended coverage of the challenging terminal port. The site workers are now always connected via the handheld terminals.



## 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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