

## The Port of Brisbane moves to state-of-the-art high speed wireless.

### About The Port of Brisbane:



The Port of Brisbane is Queensland's largest general cargo port, and Australia's fastest-growing container port. The Port of Brisbane Corporation is a Government Owned Corporation responsible for the operation and management of Australia's third busiest container port. Located at the mouth of the Brisbane River, and is the only purpose-built, capital-city, intermodal port complex in Australia.

The port's limits extend geographically from Caloundra to the southern tip of Moreton Island.

PortNet (the Wireless internet service provider arm of the Port of Brisbane Corporation) is one of Queensland's largest independent fixed wireless internet suppliers employing state-of-the-art ISM technology for its wireless network.

PortNet utilises point to point & point-to-multipoint fixed wireless configuration to provide sophisticated end-to-end, business grade, high-speed Internet access solutions to subscribers within a 20km radius of PortNet's Points of Presence (PoPs).

### Their Objective:

- Upgrade of the existing wireless data network (Skypilot) and to provide Portnet with very reliable, high speed Ethernet radio solution that could be rolled out and expanded upon rapidly over a large area whilst still being cost effective.
- The implementation of the solution needed to coexist with their existing wireless technology and not impact on the day to day business of their customers.
- The new solution would need to offer high network security and maintain high bandwidth over long distances and over water (Brisbane river).

## The Solution:

Tony Marles, Port of Brisbane, IT Manager investigated a number of different wireless solutions and eventually decided on the 1000 series solution offered by Wave1. The 1000 series offered the Port of Brisbane high speed point to point backbone links and point to multi-point end user configuration, capable of supporting large bandwidth with heavy user traffic including large data files, video MP3 files and VoIP (Radios support Quality of services –(QoS)).

The fully integrated weatherproof outdoor radio (radio and antenna combination) with power over Ethernet (PoE) technology made installation and deployment a breeze.

## Result:

The Wave1 wireless solution provided Portnet with a fixed cost solution offering sufficient bandwidth to fulfill the business network connectivity goals with an extremely attractive return on investment (ROI).

## Customer Testimonial:

We (The Port of Brisbane Corporation, Wireless internet Service provider) required a faster and secure wireless network to support both data and VOIP traffic for our large customer base. Wave1 were selected from a number of potential providers with different technology solutions. The decision to go with Wave1 proved to be very successful and has exceeded our expectations.

Tony Marles  
Information Technology Manager  
Port of Brisbane Corporation

