



## Overview

Gold Coast is often called the Hollywood of Australia. Situated just 45 minutes from Brisbane, the Gold Coast provides a myriad of accessible big screen locations that are within easy reach for international producers.

The production company of a big movie required a total wireless broadband solution that could be installed indoors but also cope with harsh outdoor environments. The film crew was constantly on the move, it required strong and constant WiFi not only for day-to-day communications but also to stream the uncut movie to off-site, overseas locations for editing.

The crew had appointed Powertec Telecommunications ("Powertec"), the leading system integrator in the region to provide a secure high speed internet connectivity solution for all users – production, cast, special effects crew etc. They needed to maintain dedicated speeds for certain production groups and selected cast members, and general internet coverage for the remainder.

The movie production was scheduled for 6 months only, so a short-term solution for rental was the preferred option.

### Customer Name:

Movie production company for a well-known franchise  
Powertec Telecommunications (distributor & system integrator)

### Deployment Location:

Gold Coast, Queensland Australia

### Application:

Private network for film crew

### Products used:

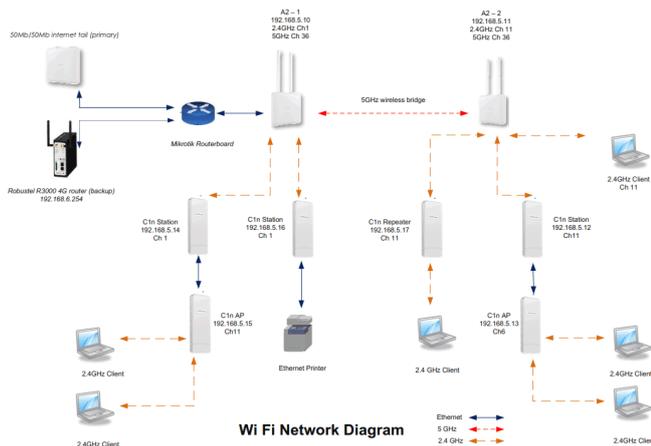
Altai C1n and 4G router

### Result:

The Altai Super WiFi covered both sites to provide a dedicated 20/20Mbps uplink/downlink and 1000GB data. At the peak of production, there were almost 500 crew and cast on site, each site with more than 120 simultaneous users.

### The Challenge

- Two production sites (Maudsland & Helensvale) with a total area of over 250,000 sq. m.
- A large number of simultaneous users
- Lack of Ethernet port
- Guaranteed bandwidth for streaming uncut movie to overseas locations



### The Solution

A site survey conducted by Powertec determined that the existing mobile signal was not reliable, and would degrade with more people using the mobile network. Two portable trailer-based telescopic microwave towers were arranged and they were connected by relay to the main tower in the nearby towns of Southport and Helensvale.

The main point of entry for each site was via the telescopic towers combined with an Altai C1n access point; these then relayed the mobile signal by high speed link between each access point and across the site. The access points acted as bridges and repeaters, and were positioned to ensure the entire site had coverage.

In order to make sure that certain users had guaranteed bandwidth levels of internet access, the production company split their users into 6 different groups based on their mobile coverage requirements. Each group had a login code to ensure a managed bandwidth for the crew.

As a safety back-up, the 4G router was placed at each production site as support in case of unexpected relay tower outages.

### The Result

The Altai Super WiFi covered both sites to provide a dedicated 20/20Mbps uplink/downlink and 1000GB data. At the peak of production, there were almost 500 crew and cast on site, each site with more than 120 simultaneous users. The integration of Altai access point and 4G router offers an ideal solution for one-off events like music festivals, car shows, building sites, sporting events etc.

### About Altai

Altai Technologies is a leading supplier of carrier-grade WiFi products and technologies with a distribution network reaching 100 countries. Altai Super WiFi is also the leading solution for vertical industrial markets, covering over 180 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 offload, 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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