



### ***Project Description***

Reliance was expanding its manufacturing and warehousing at Pinkenba, with the building of a purpose built facility.

Reliance did not want to duplicate its telephone and data systems but wanted to centralise these services at the existing office, thereby reducing their ongoing costs.

---

### ***Challenge***

- To deliver a 100Mbps high bandwidth LAN to the new remote building and staff without incurring ongoing teleco carriage costs
- The solution needed to be cost effective and had to be able to integrate seamlessly with Reliance's existing IT infrastructure
- This service would be a critical link, servicing approximately 50 staff. Loss of the link would impact greatly on day-to-day business; therefore Reliance wanted a high level of availability and redundancy
- The link would need to be secure
- The solutions needed to be cost effective
- Time frame was critical, 3 weeks from first meeting to commissioning

---

### ***Solution***

- Installation of 2 x Wave1 NCL5800 systems operating in the license free 5.8Ghz spectrum with aggregated data rates of up to 142Mbps
- The 2 Wave1 systems are mounted on opposite ends of the warehouse giving a diverse radio path
- The 2 Wave1 systems are connected to mains power, however, one Wave1 system is backed up by UPS while the other Wave1 system is backed up by a generator
- The Wave1 NCL5800 wireless links are secured by encryption at each end ensuring secure networking

---

### ***Result***

Reliance fully own a Wave1 high speed wireless system;

- With a large bandwidth which supports heavy user traffic including large data files, video, MP3 files, VoIP and other high-bandwidth applications
- With high system availability and system redundancy
- With the ability to track voice calls over the wireless link and thus saving on local telephone calls
- with no unscheduled telecommunication carriage costs

---

### ***Testimonial***

We (Reliance Worldwide) wanted a secure and stable high bandwidth link that could support both data and voice (VoIP) traffic between our two offices on Brisbane's Northside.

Wave1 worked with us to provide a business solution, which offered us a dual system

giving us redundancy, diversity and high bandwidth at affordable cost.

The installation was completed on time and the Wave1 NCL5800 radio systems performed exceptionally well.

Scott Hunter  
Information Technology Manager

***For further information please contact Wave1***

