# RELIANCE WORLDWIDE, AUSTRALIA

## EXPANDING FACILITIES WITH 144 MBPS WITHOUT RECURRING COMMUNICATION COSTS.

### Need: Facility Expansion

Established in 1949, Reliance Worldwide has grown to be a world leader in water control, measurement, and infrastructure products and services.

With expansion of its manufacturing and warehousing into additional facilities at Pinkenba, Queensland, Reliance did not want to duplicate its telephone and data systems. Rather, they preferred to extend the communication infrastructure and services of the existing facility, thereby reducing expansion costs.

### Challenge: Critical, Heavy Traffic

Reliance did not want to incur ongoing public carrier costs, however, delivering a 100 Mbps high bandwidth LAN to the remote site became a challenge. The solution needed to be able to integrate seamlessly with Reliance's existing IT infrastructure and, most importantly, needed to be cost effective. In addition to providing a secure and cost-effective network, the following two factors were especially important:

✓ CRITICAL LINK : Loss of the link would impact day-to-day operations, thus, a high level of availability and redundancy was required.
✓ FAST DEPLOYMENT: Time frame was critical, 3 weeks from first meeting to commissioning

### Solution: Solectek SkyWay 5000 Series

Reliance went ahead with Installation of two Solectek 5000 Series Point to Point, license-free 5.8GHz radio solutions with aggregated data rates of up to 144 Mbps. WaveRider ADE, Solectek's distribution partner in Australia, provided them with the RF consulting and installation services. Reliance found out that the high data rate obtained from two radio systems ensures the network availability even at the peak hours of operation.





"We 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. WaveRider ADE provided a rapid deployment of Solectek SkyWay systems that performs exceptionally well."

Scott Hunter, Information Technology Manager
Reliance Worldwide

The two systems are mounted on opposite ends of the warehouse, giving a diverse radio path. Though both systems are connected to main power, power redundancy is ensured by backing up the systems with a UPS and generator. Solectek's AES encryption ensures each of the wireless links are protected from unauthorized tampering by outside sources.

**SOLECTEK**

## Result: Satisfied Customer

Reliance now fully owns a license- free high speed wireless broadband wireless radio system.

The system handled a large bandwidth, loaded with heavy and varied traffic needs, including large data files, video, MP3 files, VoIP and other high-bandwidth applications.

The system provides the ability to track voice calls over the wireless link and thus saving on local telephone calls. The remote facility now incurs no unscheduled telecommunication carriage costs.

All of this is provided with high system availability and redundancy.

## Testimonial

Scott Hunter, Information Systems Manager at Reliance, raves about the products and services to get the job done:

"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. WaveRider ADE 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 by WaveRider was completed on time and the Solectek radio systems performed exceptionally well."

## SOLECTEK
Wireless Networking Solutions