

➔ CASE STUDY *Long Range*



TRINITY GRAMMAR SCHOOL WIRELESS POINT TO POINT VOICE & DATA BRIDGE

Company Profile

Trinity Grammar School is a well established tier one boys secondary school located in Sydney, New South Wales.



Challenge

Providing a permanent link transferring VLAN data and Voice over IP (VoIP) traffic between the existing Summer Hill campus and the new boarding school, **Bishop Chambers House**, located 0.63 Km north of the main campus. The bridging solution had to be fully operational within a limited budget, and needed to be deployed in a tight timeframe - in time for the new semester in February 2003.

Decision

Rather than digging up the road to lay cable between the two sites, or other leased line options, deploying a wireless point to point link was the preferred option by Trinity Grammar School's Director of IT, Evan Hughes:

"The addition of the new Boarding School meant we needed to find a cost effective method of linking it to the Summer Hill Campus, for both data and telephony. As a privately funded school we have to consider all options carefully, assessing the long term benefit and cost associated with any expenditure. Delivery by a company with credibility and a proven track record was of paramount importance as we were not willing to become an experiment. We cast the net far and wide for an appropriate company and were referred to Simply Wireless."

"In comparison to competitors, Simply Wireless was the only company that provided an estimate for the whole package, from site survey to installation. Having a handle on the precise budget allowed me to present to the School Council the whole picture."

Deployment

Simply Wireless engineers conducted the Site Survey identifying the optimum placement for the end points of the wireless data link for maximum availability and minimum cost. From the on site observations, Radio Frequency Planning and Path Loss Analysis, the engineers built up a technical picture for the wireless specifications. After the optimum placement and equipment was identified, Simply Wireless worked closely with Trinity Grammar School to complete the install whilst the Boarding school building construction was being completed. With access points on both the Summer Hill Campus and Boarding School, the equipment was positioned for maximum line of site and minimum interference from air conditioning units, other buildings, and trees. Both access points are designed to withstand harsh environmental conditions.

Benefits

According to Mr. Hughes, bandwidth, cost efficiencies and transparency of use are the key benefits:

"With the Tsunami Wireless 20Mbps Bridge, Simply Wireless exceeded our technical and bandwidth requirements which were originally 11Mbps. The school only had to budget for a one off cost as the wireless set-up requires no recurring expenditure."

"For the staff and students it is as though they are accessing a cabled network, they get the same response times and functionality."

"Simply Wireless have proven to us the efficiency and reliability of using wireless to link our campus networks. We are now installing a new five kilometre link linking our two campuses in Summer Hill and Stratfield. This is to bridge a critical area of our network and are confident in Simply Wireless' ability to deliver."

Sydney - May 2003

For more information

Please call our team at **1300 888 166** or visit www.simplywireless.com.au

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