



Sarina Russo Group

Installation of a new high speed Laser system

The Company:

Located in the heart of Brisbane CBD, the Sarina Russo Group is a leader in education, training and employment.

For 30 years, our entrepreneurial approach to education, training and recruitment has been our point-of-difference and we have placed 130,000 jobseekers with 75,000 employers since 1993

With over 800 staff throughout Queensland, Victoria and New South Wales, the Sarina Russo Group includes:

- Sarina Russo Job Access (Australia) is a FREE employment and training service
- Sarina Russo Apprenticeship Services is a one stop shop for all your apprenticeship needs
- Russo Recruitment is a fee-based premium recruitment service
- Sarina Russo Vocational Health develops strategies for employers to maintain a healthy and productive workforce
- Sarina Russo Schools Australia is a Registered Training Organisation offering courses in business, tourism, hospitality and English language
- James Cook University Brisbane offers undergraduate and postgraduate courses
- Sarina Russo Open Employment Services help people with a disability enter the workforce
- Sarina Russo Harvest Labour Services links farmers with casual workers

Project description:

The Sarina Russo Group needed to connect a newly leased office space (in a remote building) to their company's high-speed corporate LAN within the Brisbane CBD.

Sarina Russo Group did not want to duplicate its telephone and data systems. Instead they wanted to centralise these services at the existing branch office, there-by reducing their ongoing costs.



The Business requirement:

The new solution would need to offer

- A reliable high speed gigabit link.
- High network security and maintain high-bandwidth.
- Seamless remote access to the corporate network as well as the business-critical computer-aided programs and Voice over Internet Protocol (VoIP) applications.
- High-speed transport necessary for handling the bandwidth-intensive traffic flowing in and out of the building.
- Fast and easy installation and integration.
- Low on-going costs.
- Fast return on investment.
- The ability to control our network.
- On-site maintenance and local support including locally held spares.

The Solution:

The Sarina Russo Group explored & evaluated many communication options including the use of licensed microwave technology. After careful consideration the on-going cost of telecommunications carrier services and Government licensing fees associated with licensed microwave links, helped them decide on the cost effective license free laser option.

The laser gave them high speed without the on going ACMA license fees or telecommunications carrier fees.

Wave1 (located at Business Technology Park – QLD) provided an affordable and user friendly solution in the form of a license free optical wireless system which provided data rates of up to 1.25 Gbps full duplex fibre-speed communications through the air, via line-of-sight between the Sarina Russo Group Network Operations Centres.

The Optical laser was the ideal solution for the short distance connectivity required for the new office building. The licence free, protocol independent, solution provided Sarina Russo Group Gbps capacity at low costs.



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This service is a critical link, servicing approximately 60 staff, loss of the link would impact greatly on day-to-day business. Therefore Sarina Russo Group wanted a high level of availability, which the laser provided. On top of this Wave1 provides a "On site maintenance contract" with locally held spares.

The narrow and invisible laser beam makes the laser system the most secure means of wireless communications and is interference free (of Radio frequencies) it is versatile and easy to manage. The optical transceiver was positioned on the rooftop.



The Sarina Russo Group fully own & control a high speed Wave1 system with GigE Ethernet bandwidth, which supports heavy user traffic including large business-critical data, video, MP3 files, Voice over Internet Protocol (VoIP) and other high-bandwidth applications.

The license free system installed by Wave1 is a safe, reliable alternative to traditional last-mile access solutions and leased lines avoiding the need for costly and time consuming fiber runs giving Sarina Russo Group quick return on their investment.



Customer Testimonial

"The Wave1's in-house expertise and products were exactly what we were looking forI am extremely satisfied with the technology, our finance department is very satisfied with the economics, and our team is very happy with the GigE network speed. This was one of the fastest and most straightforward network expansions we've completed to date. The Laser link performed exactly as described and we were able to provide secure, high-speed access to remote staff as though everyone was located in the same building.

The Wave1 Solution has given us much more bandwidth than we could have ever afforded leasing conventional services from a carrier. Having the higher bandwidth has opened up the door to many new services we never thought of – In particular disaster recovery.

The Wave1 laser solution has run smoothly since it was installed"

Barrie Russell

ICT Operations Manager

Sarina Russo Group

Wave1 have provided over twenty years of wireless data communications to new and existing customers giving solutions for building to building, office to office, campus to campus.

With the ever changing requirements for high speed bandwidth, Non line of Site (NLOS), VoIP and higher data rates at lower costs, Wave1 is perfectly positioned to assist with our customer needs, due to the long term skills of both the Management and Staff.

Wave1's offices are conveniently located in Brisbane Technology Park – QLD, Hurtsville – NSW & Rowville – VIC

For further information please contact Wave1 Pty Ltd
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