



CORPORATE PROFILE

MiMOMax Wireless are world leaders in the application of MIMO technologies to narrowband radio channels and are breaking communications boundaries by delivering some of the highest spectrally efficient and lowest latency narrowband radio products available to worldwide markets.

MiMOMax Wireless: The Company

"We're creating a unique environment here in Christchurch where MiMOMax will provide employees with high tech opportunities in wireless"

MiMOMax Wireless takes pride in being a highly innovative company, who are on a rapid growth curve, through increasing, product offerings, further world leading technological development, and expanding market share.

MiMOMax Wireless services an international customer base, including regional areas of the United Kingdom, United States, Middle East and Australasia. Currently, MiMOMax Wireless' targeted industries include Utilities, Public Safety, Telecommunications and Government Services.

MiMOMax Wireless: Customer Solutions

*"At MiMOMax, we conduct business based on a **work with** model; we **work with** SME customers, we **work with** Systems Integrators and we **work with** Solution Providers, to provide advanced wireless linking solutions."*
**- Paul Daigneault,
Managing Director**

MiMOMax Wireless' first and foremost focus is to leverage their ultra spectrally efficient, low latency solutions, to fit customer requirements, providing a precise solution-application match. While MiMOMax Wireless takes great pride in their leading edge technology, they realise such achievements must benefit the customer.

MiMOMax Wireless specialises in fixed wireless solutions, including Point-to-Point and Point-to-Multipoint Applications. One such application was the winner of the Gerald David Innovation award, beating world leading global radio manufacturers in the process. Customer service is conducted on the concept of "working with" the customer before, during, and after a solution is implemented. MiMOMax Wireless, in most cases, will undertake product development where necessary, to accomplish maximum system performance in every application.



"Radio Spectrum;
the most valuable resource in our business. They are not making any more of it and no amount of expenditure can create it. The only thing we can do is use it more wisely!"

"We were told by several academics on more than one occasion that what we were attempting could not be done, but today we are delivering solutions based on high order modulation narrowband MiMO, reliably providing up to 320 kb/s in 25 kHz licensed channels."

- Paul Daigeault,
Managing Director

MiMOMax WIRELESS: APPLICATIONS

- ~ Rural Telephony for last 20% of rural customers providing both Broadband Data and Telephony Services.
- ~ Power line Tele-protection equipment providing mission critical low latency protection, SCADA & voice services to Rural Substations requiring Cat I, II & III protection.
- ~ Point to Point Mission Critical Data and SCADA linking solutions.
- ~ Point to Multi-Point Mission Critical Data and SACADA networks.
- ~ PMR Multi-channel Linking Solutions, for Conventional, Trunked and Simulcast Radio systems. Either Analogue or Digital systems can be supported
- ~ Video linking solutions.
- ~ MiMOMax provide a complete range of consultancy, high efficiency radio products and support services to ensure that solutions are effectively and efficiently implemented in the minimum of time.

MiMOMax WIRELESS: INSIDE MiMO TECHNOLOGY

MiMOMax Wireless packs a greater amount of data through a narrowband radio channel more efficiently than comparable systems, and is currently achieving world beating spectral efficiencies.

MiMOMax are obtaining these results, using the MiMO (Multiple Input/Multiple Output) system, which utilises multiple transmitters, receivers and antennas in both transmission paths, to not only increase the radio channel throughput, but also improve the received signal quality. This Space Time Diversity system employs the propagation property, where radio signals which travel different paths, will by definition, arrive at a remote receiver at different times. In significant contrast, normal radio reception (non-MiMO) will experience degraded radio channel performance.

The primary benefit of using a MiMO system is its ability to utilise spectrum in a very efficient manner. Spectrum is a finite resource, nor can it be re-used in the same coverage areas, therefore, any technology which enhances spectrum usage through providing higher data rates, is well worth exploiting.