

KENWOOD

Listen to the Future

NEXEDGE®
KENWOOD DIGITAL SYSTEMS

Case Studies

Vertel (Vertical Telecoms Pty Ltd)

With well over three decades of experience in the industry, Vertel has developed an extensive radio, microwave and optical communication infrastructure. Always looking ahead, the company wanted to provide its customers with a premium, cutting-edge digital service. And not surprisingly, NXDN® emerged as the logical next step.

● Technology for tomorrow

After conducting comprehensive testing and benchmarking, Vertel concluded that the Kenwood NEXEDGE® technology was without question the ideal solution – from the perspective of both network operators and end-users. **NEXEDGE® offers a highly secure, spectrally efficient digital (FDMA) technology platform enabling Vertel to deliver enhanced voice communications, improved coverage and highly flexible talk group configurations.** Moreover, operating in 12.5 kHz and 6.25 kHz channel widths, it meets and exceeds the requirements of the Australian Communications and Media Authority (ACMA) 400 MHz spectrum strategy. Kenwood's NEXEDGE® was perfect for Vertel's Team Talk™ Network.

● Clarity and functionality

A common problem for many analog LMR users can be uneven call quality, but **NEXEDGE® delivers consistently better calls,**

especially in fringe locations and inside buildings. Users also enjoy improved features and functionality – such as encryption, and GPS tracking – and they can look forward to further enhancements such as telephone-interconnect and over-the-air programming. Another benefit for businesses moving to digital is that analog radios can be gradually replaced with NEXEDGE® devices, which can operate in analog LTR® mode as standard.

● Coverage and capacity

Already Team Talk™ provides extensive coverage of both Sydney and Melbourne, delivering local and interstate two-way radio communications for organizations that require business-critical voice and data communications. With a group ID and unit ID network capacity of 60,000, it is more than sufficient for large organizations. IP is used to link up to 48 digital trunked sites for wide area roaming and calling capabilities, while IPSec VPN tunneling provides secure communications links.

“The ‘smarts’ of the NEXEDGE® digital system allowed us to efficiently roll-out a state-of-the-art network which delivers a practical migration path and superior communications to our customers,” explains Andrew Findlay, Vertel Managing Director.

