



Data Collection Services get *wind.co.nz* back to business

Wind.co.nz have weather data coming in from beach locations all across New Zealand. A key to their success is focused reporting of weather conditions directly from wind surfing hot spots that nobody else reaches: every 5 minutes. *Wind.co.nz* use Digital Telemetry's data collection services to eliminate communication hassles, so they can focus on running their business... not a network.

THE CHALLENGE

The business model seems right, but it won't scale while telecommunications with the remote weather stations remains as unreliable as it has been. Too much time is spent driving to remote sites to keep the equipment connections going, leaving too little time for *real* business issues. After many attempts to solve communication technology problems, a reliable hassle-free solution needs to be found.

THE SOLUTION

Wind.co.nz use Digital Telemetry's data collection services. Five minute weather data is collected from the weather stations by Digital Telemetry, who process it and forward it to *Wind's* servers.

The weather stations generate a continuous stream of weather data. An Xtensor® modem connected to the serial port interprets the data stream and summarises it into 5 minute weather statistics. The 5 minute data is sent to Digital Telemetry servers, and then to *Wind.co.nz* servers. With Digital Telemetry Data Collection Services, the people at *wind.co.nz* can relax and assume their data will arrive: every 5 minutes, all day, every day.

Your data

Standard Peet Bros. weather stations measure weather conditions

Xtensor® modem attached to the RS232 serial port reads the continuous data stream, and processes it to calculate the 5 minute weather statistics

Connection

Invisibridge® network using Vodafone GPRS link

Your Access

Digital Telemetry servers receive the weather statistics.

Messages are immediately sent to *wind.co.nz* using ftp

24x7 monitoring allows Digital Telemetry to alert *wind.co.nz* when either the weather stations or the *wind.co.nz* servers need attention.

THE PAYOFF

Wind.co.nz was immediately able to shift their focus from collecting weather information to selling it.

The hassles of maintaining the data collection network have been eliminated. Site visits have been reduced dramatically: genuine weather station maintenance is now the only reason for going on-site.

The network services are reliable. The costs are excellent business value and predictable. Resources are once again focused on business matters.