



SCARLET | TECH

WINDPRO CASE STUDY

Hassle-Free Wireless Wind Monitoring for Empty Container Yards

www.scarlet-tech.com

Empty shipping containers are vulnerable to high winds during stored and moved in large open yards. To improve the operation safety, WindPro is trusted with hassle-free and reliable wind monitoring capabilities.

BACKGROUND

In the past, many container yards relied on wired anemometers to monitor wind conditions. However, these wired systems had significant drawbacks, including limited flexibility in placement and exposure to wear and tear due to the open environment. Seeking a more convenient solution, CCIS ANL Australia opted for WindPro, the wireless anemometer to enhance wind safety monitoring at max. 1,000 m range.

SOLUTION

WindPro was utilized by locating the wind sensor in a higher area of the container yard. The installation is quick in two steps:

1. Lock the wind sensor onto the magnetic bracket.
2. Mount it on the metal surface and it starts measure the wind.

▼ WindPro wind sensor installed in empty container yards

CCIS ANL Australia is an empty shipping container park based in Melbourne, specializing in container storage, container repair, container upgrading, and refrigerator (reefer) container setup.



The wind sensor features a 3-year battery life and IP67 certified for all-weather durability, ensuring low maintenance and allowing officers to keep it deployed without frequent removal.

Control console is located inside the office, within a 1,000-meter wireless range of the wind sensor. Officers can view real-time wind speed and direction data. When wind speeds are high, the 4 wind alerts can help notify officers as the wind speed gradually increases. Wind alerts are configurable and easily noticeable both audibly and visually.



▲ WindPro control console located inside office

▼ WindPro wind sensor installed in empty container yards



Scarlet's WindPro wireless anemometer has proven to be an effective solution for real-time and remote wind monitoring with instant alerts. By providing continuous data and timely warnings, WindPro enables staff to take proactive measures during high-wind events, significantly reducing the risk of accidents in dynamic container yard environments.

NEED ONLINE MONITORING?

Choose WindPro Online to give your team access real-time wind data from web portal. Stay informed with instant wind speeds alerts delivered via email or directly through the web interface.



▲ WindPro Online for wind monitor via web portal

WindPro

Ultra-Long Range Wireless Anemometer

DISCOVER NOW



Scarlet Tech specializes in delivering tailor-made, state-of-the-art HSE instruments for accurate measurement and real-time monitoring in demanding environments. Comprehensive range of professional HSE instruments: wireless anemometer, wireless crane camera system, heat stress meter, class 1 & 2 sound level meter.