

**Media Release**

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2degrees and Ericsson deliver private 5G network for Lyttelton Port Company

Lyttelton Port Company (LPC) has introduced a private 5G network, delivered in partnership with 2degrees and Ericsson Enterprise Wireless Solutions, to improve safety, support digital operations, and strengthen resilience across New Zealand's largest South Island port.

As one of New Zealand's most diverse ports, LPC handled 434,000 containers in FY2025 in addition to extensive bulk, cruise, and fuel activities. In addition to its large-scale operations, the port's location posed unique challenges due to the surrounding volcanic rock and the shielding effect of stacked containers.

Ericsson's private 5G solution, implemented on site by 2degrees, provides a robust, secure, and scalable wireless 5G connectivity that will support applications at the port including mobile asset tracking, tele-remote control of heavy machinery and vehicles, job dispatching, safety alarms, and streaming from video cameras for safety and security.

LPC is using rugged Ericsson Cradlepoint routers on its Straddle Carriers to keep operations running smoothly. These use the private 5G network as a primary connection, with 2degrees' public mobile network providing seamless, secondary backup. This setup gives the port wide, reliable coverage, reaching areas that Wi-Fi can't and where fibre is slow, expensive, or impractical to deploy.

Lyttelton Port Company Chief Information Officer Jackie Dawson, said "LPC introduced private 5G to make operations safer, more reliable, and better connected.

"We needed stronger network performance across the port so our teams and equipment could work without interruption.

"This supports our long-term digital plans and helps us run a safer, more efficient and more resilient port for our customers and our community."

Dawson said LPC chose to partner with 2degrees because of its trusted core network and local expertise, supported by Ericsson, which has a global track record in complex industrial environments like mining and ports.

Andrew Fairgray, Chief Business Officer at 2degrees, said "2degrees is committed to delivering world-class innovation that solves Kiwi business challenges. We are thrilled to have completed this landmark project for Lyttelton Port Company.



“By moving beyond the limitations of traditional connectivity, we’ve provided Lyttelton Port Company with a foundation for the future - one that ensures operational resilience and opens the door to next-generation automation.”

Fairgray said he hopes the Lyttelton project will inspire other New Zealand organisations to consider private 5G networks.

Ian Ross, Head of Private Networks ANZ, Ericsson Enterprise Wireless Solutions, said: “Private 5G is a foundational infrastructure for modern industrial environments.

“By delivering ultra-reliable, low-latency connectivity to every corner of a port, operators like Lyttelton Port Company can achieve unprecedented levels of digitalisation, asset visibility, and operational efficiency.

“We’re pleased to work with 2degrees and the Port to provide 5G connectivity solutions that enable streamlining of workflows, enhanced safety for workers, improved security, and optimisation in the movement of goods – ultimately enabling lower costs, faster turnaround times, and a more resilient supply chain.”

Lyttelton Port Company plans to expand its applications of private 5G in the near future and is looking at how the site can use it to connect environmental sensors for wind and stormwater monitoring, as well as drones which feed data into AI tools and are used for inspections of containers, cranes, and pavements.

ENDS

About 2degrees

2degrees is a full-service telecommunications provider, committed to fighting for fair for Kiwis and businesses. 2degrees provides broadband, mobile, and electricity services across New Zealand. Since its launch, 2degrees has been on a mission to disrupt the market, standing up for fairness and flexibility in an industry that needed change. With mobile and internet coverage spanning 98.5% of the places Kiwis live and work, and retailers nationwide, 2degrees keeps Kiwis connected wherever they live and work. 2degrees is backed by award-winning customer service, and delivers innovative solutions, allowing customers to choose the connectivity options that suit them best. Through custom-built technology platforms and a commitment to doing things differently, 2degrees empowers Kiwis to stay connected on their own terms.

**About Ericsson**

Ericsson's high-performing, programmable networks provide connectivity for billions of people every day. For 150 years, we've been pioneers in creating technology for communication. We offer mobile communication and connectivity solutions for service providers and enterprises. Together with our customers and partners, we make the digital world of tomorrow a reality. www.ericsson.com

About Lyttelton Port Company

Lyttelton Port Company (LPC) is the largest port by container volume in the South Island and a vital part of New Zealand's supply chain. LPC plays a crucial role in the import and export trade, facilitating the direct shipment of South Island cargo to international markets and driving economic growth.