

YLess4U Improves Connectivity for Rural Australia



“Throughout this project, we found that there were three factors that made it a success: the quality of the solution, a holistic view of the solution and support from Cambium Networks’ sales and technical teams.”

JASON GREEN,
DIRECTOR,
YLESS4U



Overview

THE NEED FOR CONNECTIVITY GROWS EACH DAY. As more people work from home, learn from home and stream media from home, bandwidth has become a precious resource. YLess4U, a service provider based in Canberra, Australia, switched over to Cambium Networks’ point-to-point (PTP) solutions to provide their rural business and residential customers with reliable service.

The Challenge

YLESS4U IS ROLLING OUT SERVICE to an increasing number of customers. As a result, their speed requirements grow each day. Video streaming applications use a great deal of bandwidth, and with more people working from home, the requirements for stable internet and greater capacity are growing.

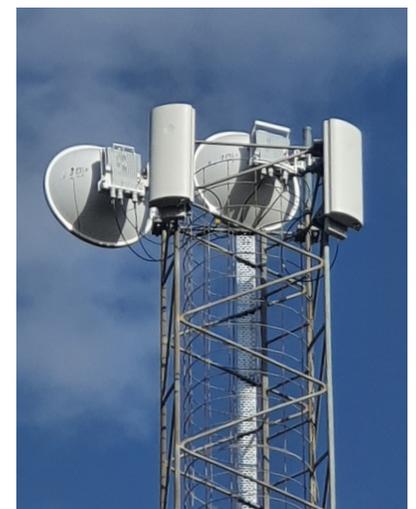
With a maximum connectivity of approximately 700 Mbps, YLess4U decided to make a change that would provide them with more bandwidth and their customers with faster service. Their main technical requirement was to have the largest amount of bandwidth available on the 80 GHz band over a 10-km distance and a failover that could handle 11 to 18 GHz.

The Solution

PREVIOUS TO CAMBIUM NETWORKS, YLess4U used a combination of equipment from two other suppliers. YLess4U found that these equipment suppliers did not have the capabilities they were searching for. They decided on Cambium for a wide range of reasons, starting with Cambium Networks’ pricing, product quality and the technical expertise and support available in Australia.

YLess4U deployed Cambium Networks’ PTP 850E millimeter wave radio: an ultrahigh-capacity, all-outdoor Ethernet backhaul unit. They also deployed Cambium Networks’ PTP 820S licensed microwave radio: an all-outdoor licensed microwave unit. Both solutions use enhanced multi-band technology.

YLess4U planned the network over four weeks, which included Australian Communications and Media Authority (ACMA) licenses. Since they had a non-standard configuration to start with, it took two months to deploy the solution. Moving forward, YLess4U estimates that it will take two weeks for deployment.



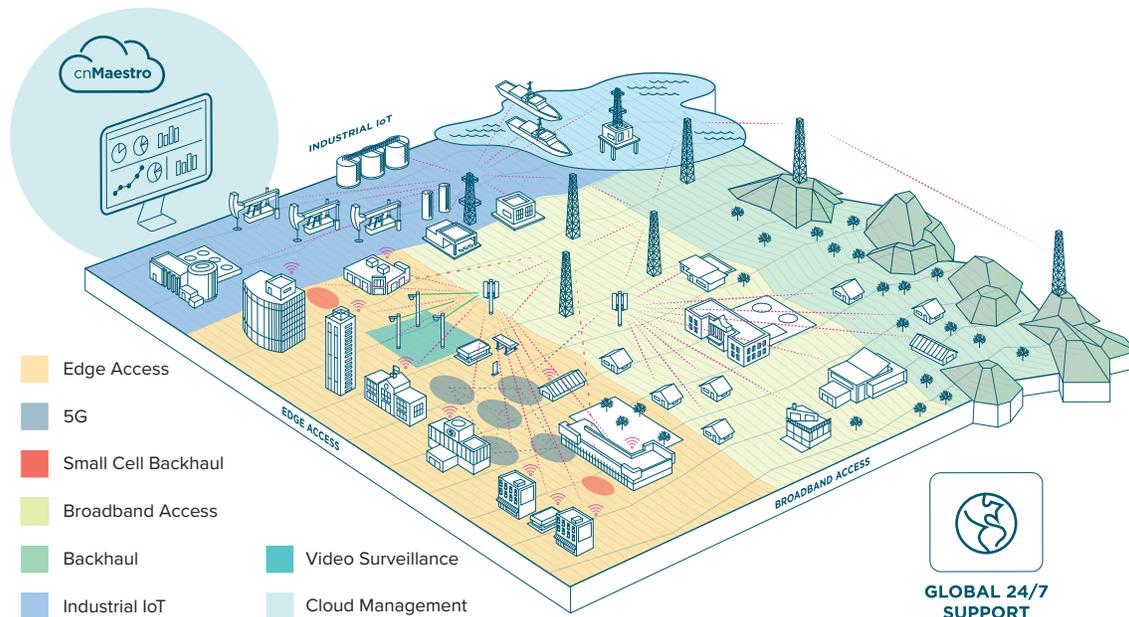
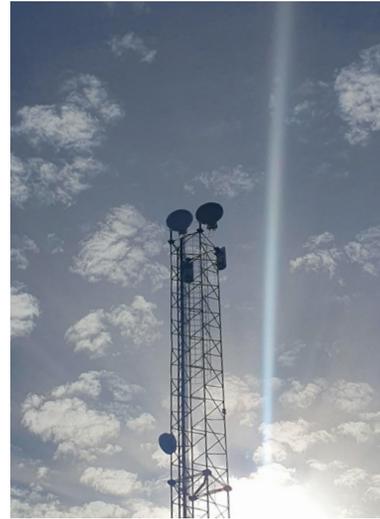
SUCCESS FACTORS

- Support from Cambium Networks' sales and technology teams
- A holistic view of the solution rather than focusing on the price tag
- Cambium Networks products that are built with quality through design, manufacturing and testing

The Results

CURRENTLY, 900 SUBSCRIBERS ARE SUPPORTED by the Cambium equipment. After switching to Cambium, YLess4U has more available bandwidth. They also experience higher stability and lower ping times. YLess4U experiences 9 Gbps with a 1-Gbps failover during rain. The failover is seamless and ensures that their customers stay connected while it rains. Even in heavy fog, the link is sustained on the 80 GHz band with no issues.

YLess4U plans to install multiple links that work within the same capability, capacity and availability. All the equipment involved will be Cambium Networks' PTP 820C, PTP 820S and PTP 850E. For YLess4U's rural customers who depend on internet for work, school and entertainment, these unified PTP technologies create a stable internet experience.



Cambium Networks' Gigabit wireless solutions enable municipal, enterprise and service provider operators to tailor connectivity to meet exact requirements and grow as needs evolve.