

cnPilot™ Reaches New Heights on Cermis Cableway

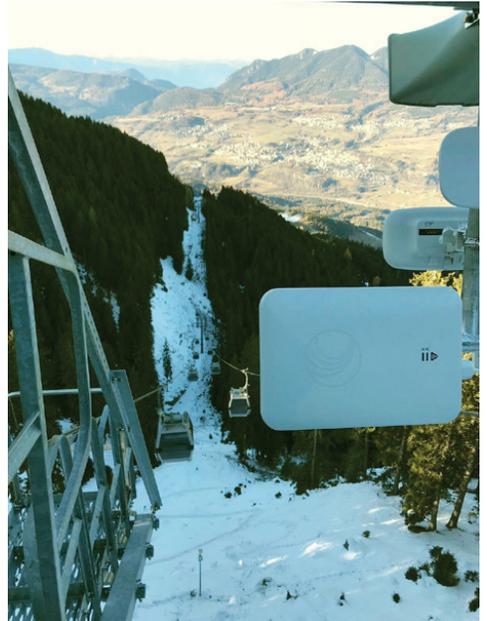


Overview

THE PASSENGERS OF THE CERMIS CABLEWAY IN THE DOLOMITES CAN stay connected throughout the trip, thanks to an installation that offers free, high quality Wi-Fi.

Italy's Cermis cableway - located near Cavalese - winds through the spectacular scenery of the Dolomites. Funivie Alpe Cermis operates the cableway system, and decided to equip their gondolas with a powerful and reliable Cambium Networks Wi-Fi infrastructure that would allow their customers to stay connected throughout the ride.

Previously there was only a fiber optic line that connected the departure and arrival stations, the only areas where connectivity was offered. But just like any modern tourist environment, Cermis passengers expect to be able to stay constantly connected via smartphone - to check email, post a photo, or chat.



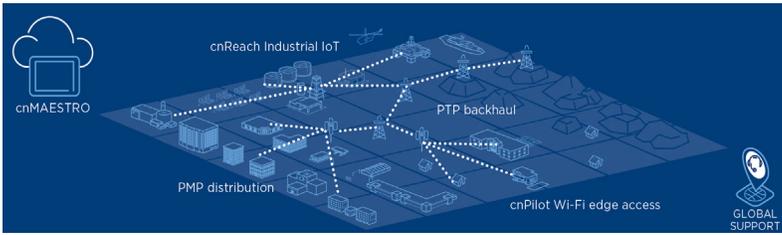
WHY TECNODATA CHOSE CAMBIUM NETWORKS

- cnPilot™ Outdoor Access Points are rated best in class for challenging environmental conditions.
- cnMaestro™ lets network operators configure, manage, troubleshoot, and update their networks easily, from any location.

Solution

THE WI-FI EXPANSION PROJECT WAS ENTRUSTED TO TECNODATA TRENTINA who began by conducting a careful analysis of the route, characterized by steep slopes and ups and downs. Using a Cambium Networks cnPilot™ e500 access point placed at various points of the line in order to check optimum AP positioning and observe signal and speed test performance, Tecnodata Trentina identified the optimum positions for placement and configuration. The actual installation only took 5 days, whereas the total time for testing and development was about 1 month.

The infrastructure is made up of a total of 48 pieces of Cambium Networks equipment: 24 Cambium Networks ePMP Force 180 radio modules providing backhaul, and 24 cnPilot e501 Enterprise Outdoor access points configured in dual band mode delivering Wi-Fi access for end user devices.



Results

THANKS TO THE RELIABILITY AND PERFORMANCE OF THE equipment, it was possible to cover the entire route, offering connected clients up to 8Mbps of bandwidth, with latency below 10ms.

cnMaestro™ configuration and management software was also extremely important for the speed and effectiveness of the installation, facilitating implementation and monitoring of the entire infrastructure to streamline performance and maintenance. cnMaestro simplifies network operation by enabling administrators to easily make any changes to the operating parameters needed at any time through a single intuitive interface.

BEST PRACTICES

- Undertake a site survey to understand your installation's needs
- When in doubt, overestimate bandwidth needed

