Guests Stay Surfing on Croatia's Coast with Cambium Networks and Istranet

"This is our first time working with Cambium Networks, and throughout the project, we have been impressed with not only their products but also the level of expertise provided by the team. cnPilot™ makes the concept of anywhere, anytime connectivity possible, ensuring a high level of customer satisfaction at the Santa Marina Campsite."

- ADRIANO FABRETI,
SYSTEM ENGINEER,
ISTRANET

Overview

NESTLED UNDER PINE TREE TOPS just a few feet away from Croatia's rugged coastline in Istria, Adria Camps' boutique Santa Marina Campsite features tranquil spaces, superb mobile homes, water attractions, and personalized services. During peak season, about 400 guests enjoy the simplicity of camping with a cosmopolitan upgrade – fully equipped pitches, a glamping zone, private pools, shops and restaurants.

For modern resorts catering to families, guest Wi-Fi is no longer an extra, it's essential. With this in mind, the campsite's management team also wanted to ensure its modern, discerning visitors and its own internet-dependent services remained online 24/7. But, the combination of remote location and hundreds of guests to connect made providing fast, reliable, high performance connectivity a hurdle.
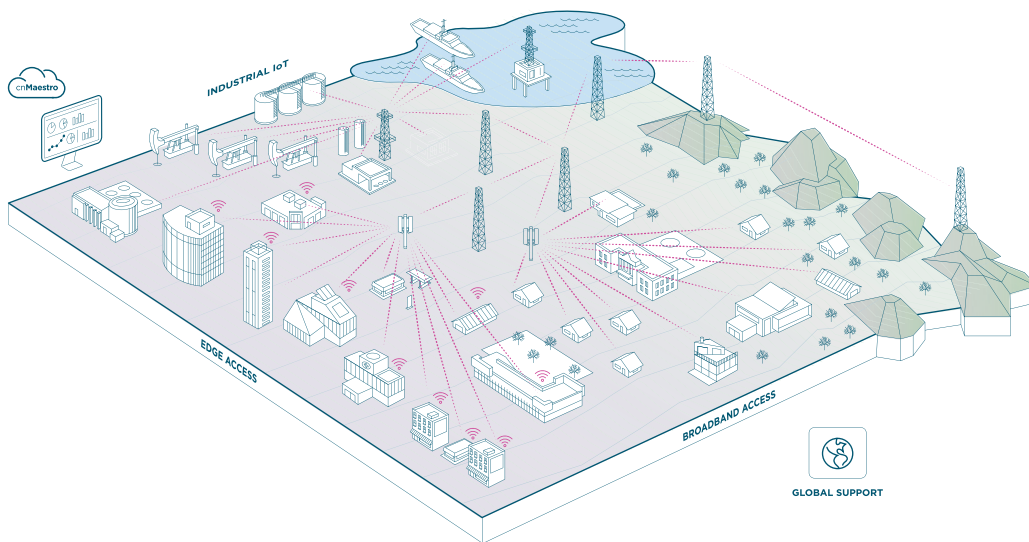

cnPilot™ e500

- 802.11ac Wave 2
- 2.4 GHz
- 16 SSIDs for
up to 256 users

THE CAMBIUM NETWORKS DIFFERENCE

After:
100 Mbps for up
to 500 users

The Challenge

ADRIA CAMPS TURNED TO ISTRANET, a family-run company which specializes in computer hardware and small networks. In designing the network, there were other factors to consider beyond the remote location and user density that could cause network traffic bottlenecks. There was also a possibility of exposure to extreme weather conditions and a diverse range of areas which needed connecting, including pool-side and dense forest spaces.

Overcoming these challenges would require a flexible, reliable solution offering high performance at an attractive price – which is why Istranet selected Cambium Networks' technology.

The Solution

ISTRANET PLANNED A DEPLOYMENT consisting of 14 cnPilot e500 802.11ac Enterprise Outdoor Access Points for the Santa Marina Campsite, providing high performance Wi-Fi with features including controller-less roaming, dynamic channel selection, automatic transmit power control, and band steering.

The cnPilot access points were connected to the fiber network installed by Istranet and mounted to lamp posts spread across the campsite. Following testing, the deployment was found to provide good coverage, but another hurdle loomed when the main internet connection was delivered 40 days late. In the interim, Cambium Networks and Istranet were able to use 4G routers to provide a connection.

The e500s are controlled via cnMaestro™, Cambium Networks' cloud-based or on-premises software platform for secure, end-to-end network management. The wireless network manager simplifies device management by offering full network visibility and zero touch provisioning, meaning a full suite of wireless network management functions can be viewed and performed in real time.

The network provided by Istranet and Cambium Networks is now up and running, delivering a 100/100mbit/s link, for the entire camp, with a maximum capacity of 500 people.