



Cambium Networks™

CASE STUDY

# Innovative Wireless Deployment Brings High-Speed Connectivity to Acqua Village Water Park



Acqua Village in Follonica is a water park offering entertainment across a large open-air facility, featuring pools, slides, and water shows.

Within the park, Wi-Fi connectivity was poor, relying on outdated 10/100 links and limited to 2.4 GHz. This created difficulties in managing orders and issuing receipts. For guests, weak mobile signal coverage made using popular apps problematic.



"The solutions installed by Wi-Tech have finally given us the connectivity we needed—for both our guests and our operational needs—while also respecting the aesthetic requirements of the park." — Luca Serafini, Director of Acqua Village in Follonica.

## The Challenge

To improve internal service performance, streamline management processes, deploy new music broadcasting systems, and deliver better internet connectivity to guests, park management sought an effective, innovative solution. They engaged Wi-Tech S.r.l. of Venturina Terme, a telecom operator and system integrator.

Due to the high costs and challenges of laying fiber, the proposed solution focused on wireless technologies.

## The Solution

Wi-Tech selected Cambium Networks products for the park. They installed one cnWave™ 60 GHz V5000 access point and ten V2000 units, covering every attraction, bar, restaurant, nightclub, and security area.

Each location received a cnMatrix™ switch (10 units total) and two XV2-2T / XV2-2 devices, totaling 22 access points.

The entire network is monitored and managed via the cnMaestro™ platform. Wi-Fi coverage has improved dramatically, enabling both guests and staff to connect reliably and efficiently.

**Planning and Antenna Installation:** Detailed planning considered the park's themed zones. Device selection was based on park size, visitor density, and area-specific connectivity needs.

**Equipment Camouflage:** Equipment was discreetly installed to preserve the park's visual themes, often hidden within architectural or decorative elements.

**System Rollout and Testing:** After installation, the system was thoroughly tested to ensure stable, fast, and uninterrupted wireless connectivity across the entire park, even in remote areas.

**Training and Monitoring:** Staff received training on system operation and network monitoring tools. A remote monitoring system was also implemented to allow real-time connection status tracking and rapid troubleshooting.

## The Result

Approximately 1,000 people connect daily. The network supports social media, management software, email, Dante Audio Protocol, alarms, video surveillance, and staff communications. Connectivity provides up to 1 Gbps symmetric total, with a maximum of 50 Mbps symmetric per user.



## About Cambium Networks

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences, and device connectivity, with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We make connectivity that just works.