

Lesswire Brings Opera to All With High-Density Wi-Fi Access Points



“Our mission during this event was to provide Wi-Fi connectivity so everyone could fully experience the opera. We were able to complete that mission because of Cambium Networks’ reliable high-density Wi-Fi equipment.”

RALF SOBOCZINSKI,
CEO,
LESSWIRE



300 people were able to connect to the Sennheiser MobileConnect app because of the Xirrus high-density Wi-Fi APs.

Overview

OPERA FOR ALL IS A TRADITION for the people of Zurich, Switzerland. The program broadcasts opera performances from the Zurich Opera House to thousands of visitors in Zurich’s largest town square. To make the performance more accessible to individuals who are hard of hearing or visually impaired, Opera for All uses the Sennheiser MobileConnect app to livestream narrated and amplified versions of the performance. Opera for All needed a Wi-Fi connection to allow visitors to connect to the app. Lesswire, an event IT company, used Cambium Networks’ Wi-Fi access points (AP) to help Opera for All truly provide opera for all.

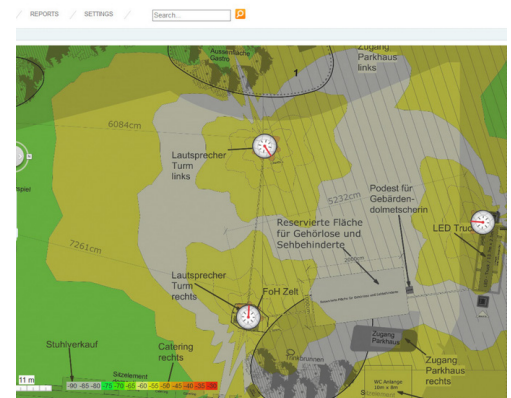
The Challenge

OPERA FOR ALL PLANNED TO BROADCAST a live opera performance on a large LED screen in Zurich’s largest town square. Thousands of people were to attend, and visitors were able to view the performance for free. However, the program needed a Wi-Fi solution that would allow visitors to connect to the Sennheiser MobileConnect app if they were hard of hearing or visually impaired.

Lesswire, an event IT company, brings fixed wireless broadband and Wi-Fi access to corporate events, sports events, conferences and more. Lesswire was tasked with providing the Wi-Fi connectivity that would allow Opera for All to distribute two audio livestreams during the event. One livestream with amplified volume was for people who are hard of hearing, and the other livestream was a narrated version of the performance for people who are visually impaired. The livestreams were generated by a Sennheiser encoding system, and visitors were able to use the Sennheiser MobileConnect app on their smartphones.

The Solution

LESSWIRE USED THREE CAMBIUM NETWORKS high-density Wi-Fi APs during the performance. One of the three high-density Wi-Fi APs was placed in front of the LED screen at the Truss Tower, the optimal location to reach the audience. Lesswire set up, configured and tested the Wi-Fi APs within three hours. Xirrus high-density Wi-Fi APs feature a powerful multi-core integrated controller, application-level intelligence and automated provisioning. These Wi-Fi APs are ideal for environments with medium to high density, delivering the scalability needed to meet user demand.



A coverage map of the installation at Zurich’s largest town square

Lesswire controlled the Wi-Fi AP performance via XMS-Enterprise, Cambium Networks' on-premises Wi-Fi network management tool. XMS-Enterprise brought simplified management, customizable reports and streamlined operations as Lesswire monitored the network.

WHY LESSWIRE CHOSE CAMBIUM NETWORKS

- Lesswire works with Cambium Networks high-density Wi-Fi APs due to their high reliability in event scenarios and ability to wirelessly cover large distances.
- Cambium Networks' Xirrus high-density Wi-Fi APs ensure stable operation in event environments and cover areas with high device density.

The Results

LESSWIRE OFFERED IDEAL COVERAGE in the 5 GHz band. Although the 2.4 GHz band was congested, it still performed well. About 300 people connected to the Sennheiser MobileConnect app to either listen to the narrated livestream or the livestream with amplified volume. Almost 10,000 spectators gathered in the town square to watch the broadcast.

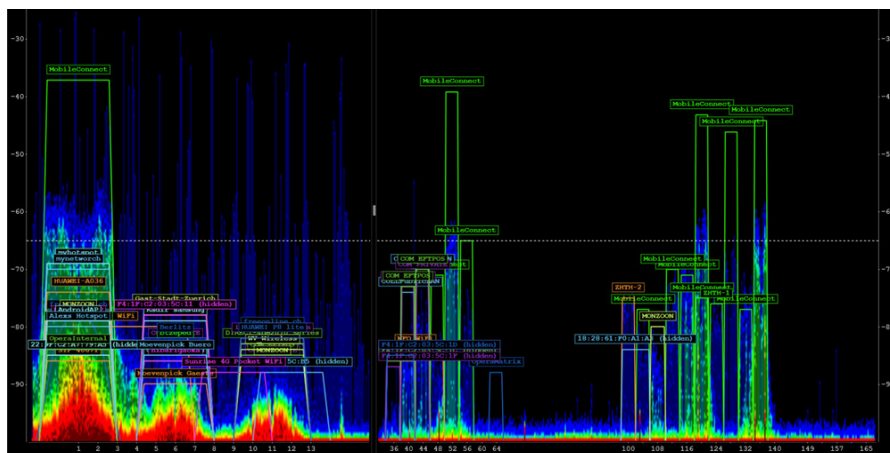
Highlights of the deployment include:



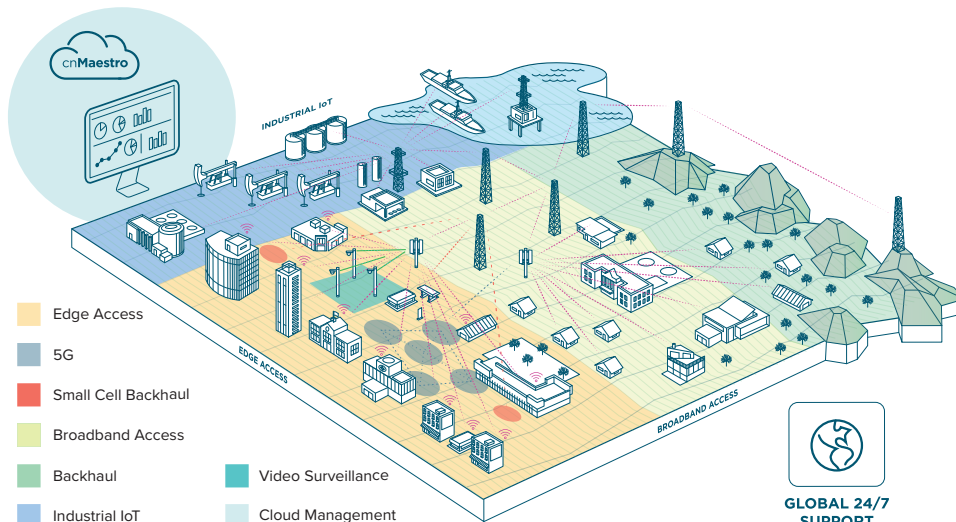
300 people connected to the Sennheiser MobileConnect app



3 hours to install, configure and test the solution



The 5 GHz band during the Opera for All event



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