



# Seamless Connectivity for Wacken Open Air

## Overview

With over 80,000 visitors yearly, the Wacken Open Air is the biggest Heavy Metal event in the world. For such an event, it is of course also important to provide guests with reliable internet connections. A temporary Wi-Fi network is therefore set up for the duration of the festival.

For 21 years, the company Business IT Kiel is responsible for installing the Wi-Fi network in many areas at the Wacken Open Air. This primarily includes the areas for the press, sponsors, VIP guests as well as the artists and their crews.

For the third year in a row, Business IT Kiel relied on devices from Cambium Networks at Wacken Open Air 2024. Having previously used devices from other manufacturers, Business IT Kiel opted for Cambium products three years ago due to the holistic dashboard for all applications, the easy management of the entire network and the high level of reliability and fail-safety.



[Watch the reference video now!](#)



## The challenge

Conditions for the network implementation at Wacken Open Air can change very quickly and are almost impossible to plan ahead. For example, if there was a clear line of sight during planning and installation, this may be disrupted by containers or other structures shortly before the network is put into operation. Therefore, it is very important that the solution is flexibly and easily adaptable. The network must also provide high bandwidths and fast speeds, especially in the press area. To ensure that journalists can carry out their work smoothly, very high data volumes of up to 2 TB per day must be provided. These high data volumes must be covered by just a few access points in order to keep interference to a minimum. It is also very important that the devices used are suitable for outdoor areas and perform well and efficiently even under adverse weather conditions such as rain, wind, sunlight, dust and heat.



### There were no problems at any time –

neither with the number of users nor with the speeds. With the 60 GHz devices, Cambium offers incredible flexibility, which is very important for the installation at Wacken Open Air. The speeds of the fixed wireless devices are exorbitantly good, and even in extremely bad weather, the data rate only drops very slightly. The access points also deliver the full performance that is required for the press area in particular. The coverage of the outdoor access points is also really perfect. Thanks to the large antennas, they also have a great signal and a long range. All in all, I have never had any problems with Cambium – and I have had them quite often with other manufacturers before. – Dirk Westphal, Owner and Managing Director Business IT Kiel

## The solution

Various Wi-Fi access points for indoor (XV3-8) and outdoor areas (XV2-2T & XV2-23T) as well as 60 GHz fixed wireless components (V5000, V2000 & V1000) were installed in the various areas of the festival site.



## The results

In the areas for press, sponsors, VIP guests and the artists, reliable and stable internet connections were available throughout the festival. The quality of the connections met all requirements. At peak times, up to 220 people accessed the network simultaneously in the press area, while up to 500 additional users accessed the network in the entire Wacken United area including the artist area. Within just one day, 2.8 TB of data was sent and 1 TB downloaded. Even with around 500 clients active at the same time, a download speed of 55 Mbit/s was maintained.

## About Cambium

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 deliver connectivity that just works.