



# Adoption and Benefits of Fixed Wireless Networks in Germany's Chemical Industry

## Overview

Digitalization is becoming increasingly important in the industrial sector as well. A reliable network solution is essential for connecting different devices, machines and systems and ensuring a smooth data exchange.

Several large chemical plants as well as logistics companies and suppliers in the chemical industry also wanted to modernize their network infrastructure at various locations in Bavaria in order to be fit for the future with sufficient bandwidths. For the network solution, the choice fell on a comprehensive Wi-Fi network.

Cambium Networks partner weissblau-breitband UG advised and supported the companies in the so-called Bavarian Chemical Triangle with the WLAN implementation. The choice quickly fell on devices from Cambium.





### The solution:

Point-to-point (PTP 550) and point-to-multipoint (PMP 450) fixed wireless solutions were installed at the various locations. Fixed wireless is available in the 60 GHz and 5 GHz bands, among others.



## The challenge

As there were no cable connections at the various locations, they needed to be connected via radio. The implementation of fixed wireless components was therefore the most sensible solution for the projects in the Bavarian Chemical Triangle. The most important requirements for the installed devices were, of course, reliable operation and consistently high bandwidths. As the devices were also installed on the roofs of the sites, it was important as well that they were robust and resistant to adverse weather conditions such as moisture, dust, heat, cold or snow.



### We had no doubt about recommending Cambium

for these projects. As a Cambium Networks partner, we have already had good experiences in previous joint projects. The new fixed wireless networks are powerful, offer good performance and are fail-safe, and the devices used are characterized above all by years of reliability. Compared to a fixed network installation via cable, fixed wireless is at least on a par. The products used therefore prove that reliable and high-performance transmission does not necessarily have to be wired.

– Wolfgang Schlichtner, Management IT & telecommunications at weissblau-breitband

## The results

Cambium's fixed wireless solutions provide the plants and companies in the Bavarian Chemical Triangle with stable and reliable internet connections. In addition to applications such as IP telephony, sensors, IoT applications and video surveillance cameras can now also be connected to the network without any problems. The PTP and PTM fixed wireless components can withstand the weather conditions at any time of year and thus ensure the best Internet connections in the Bavarian Chemical Triangle.

### 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.