



Picture: © DS Smith



Cambium Networks™

CASE STUDY

Comprehensive Wi-Fi network for DS Smith

Overview

DS Smith is one of the world's leading suppliers of sustainable and fiber-based packaging with activities in recycling and paper manufacturing. The specialist in environmentally-friendly packaging is an important part of the value and supply chain in various sectors such as e-commerce, fast moving consumer goods (FMCG) and manufacturing. DS Smith, listed on the FTSE 100, is headquartered in London and operates in more than 30 countries. The company currently employs around 30,000 people.

In order to optimize production and storage at around 20 locations in Germany, the network infrastructure is to be successively modernized. The first step was therefore to implement a comprehensive Wi-Fi network at the Hövelhof site in Germany.

ICS Group was commissioned with the project. As a partner of Cambium Networks, Cambium products were quickly chosen.



ICS GROUP





Pictures: © DS Smith



The challenge

For a modern and automated working environment in DS Smith's large warehouses and production halls, a new network platform was to be set up that would function smoothly. As not all halls at the sites are connected to the network via cable, an alternative solution with a similarly high signal range needed to be found. An important requirement was that the solution should cover the entire site and connect it to the network. The devices also had to be able to withstand individual interference factors such as shelf barriers, different temperatures and interference from plants and machinery. Other important requirements for the network solution were seamless, fast roaming across the entire site and the connection of previous offline areas.

The solution

In cooperation with the ICS Group, DS Smith's IT logistics partner, Wi-Fi access points and fixed wireless components from Cambium Networks were implemented at the Hövelhof site. Following the development of an integrative modernization concept, the ICS Group carried out the radio coverage, the interference frequency analysis and the implementation of the devices. Wi-Fi access points were installed for both indoor and outdoor areas. A remote hall was also connected to the network via fixed wireless. The devices are managed and maintained via the cnMaestro cloud management platform.

The results

Thanks to the implementation of the Wi-Fi and fixed wireless devices, DS Smith now has a reliable, stable, secure and comprehensive Wi-Fi network at its Hövelhof site in Germany. The implementation of the Wi-Fi and fixed wireless solution by Cambium partner ICS Group did not affect production operations at DS Smith. The new network at the Hövelhof site is scalable and can be flexibly expanded if required in the future. Together with the ICS Group and DS Smith, a gradual expansion of the network modernization to other locations in Germany is planned as well.



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.