

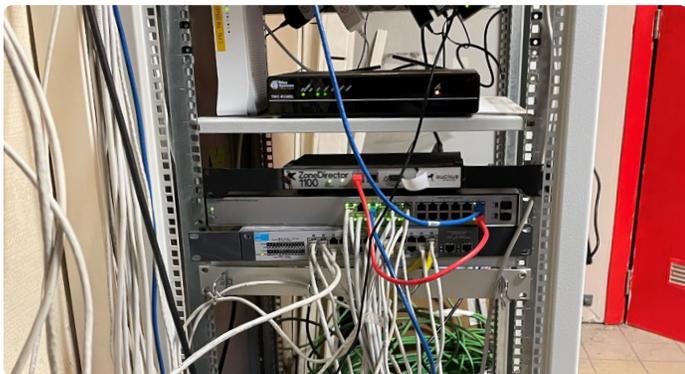


# CDM ICT Empowers High-Density School Environment with Cambium Networks' Wi-Fi 6 Solutions



“With the XV3-8, we were able to deliver a next-generation network that will allow the school to migrate smoothly to the Wi-Fi 6 standard.”

CHRISTOPHE DE MESMAEKER  
MANAGER  
CDM ICT



Pre-installation view



Post-installation view

## Overview

**BETTER EDUCATION STARTS WITH BETTER WIRELESS.** Whether accessing digital content, collaborating on projects or taking tests, a slow connection is unacceptable. When CDM ICT was tasked with providing Wi-Fi connectivity for a school in Belgium, they searched for a high-performance, high-density solution.

## The Challenge

**CDM ICT, A ONE-STOP SOLUTION PROVIDER** based in Belgium, handles site surveys, installations and training for IT services. They needed to provide Wi-Fi connectivity for a school while meeting a total cost of ownership period of five years, which included the Wi-Fi access points (AP), a limited lifetime warranty and five-year cloud management. When weighing their options, CDM ICT worked with Cambium distributor WiMood and ultimately chose Cambium Networks' Wi-Fi solutions for their price-performance ratio compared to competing solutions. When it came down to Cambium Networks and one other solution, they ultimately went with Cambium due to the competitor's costly licensing model, lower performance and limited warranty.



## The Solution

**AFTER A SITE SURVEY**, CDM ICT created a plan using Cambium Networks' Wi-Fi Designer tool based on the school's floorplans. They worked with the school to decide on the number and positioning of Wi-Fi APs, and CDM ICT preconfigured the equipment in the cloud-managed cnMaestro™ wireless network manager. CDM ICT organized a training session for the ICT coordinators. Once the new network cables were set up, they installed the cnMatrix switch and Wi-Fi APs. The whole process took one month.

They are using Cambium Networks':

- XV3-8 Wi-Fi 6 access points (8x8/4x4 MU-MIMO)
- cnMatrix™ EX2028P switch (24-port, 400W, PoE)
- cnMaestro™ cloud management

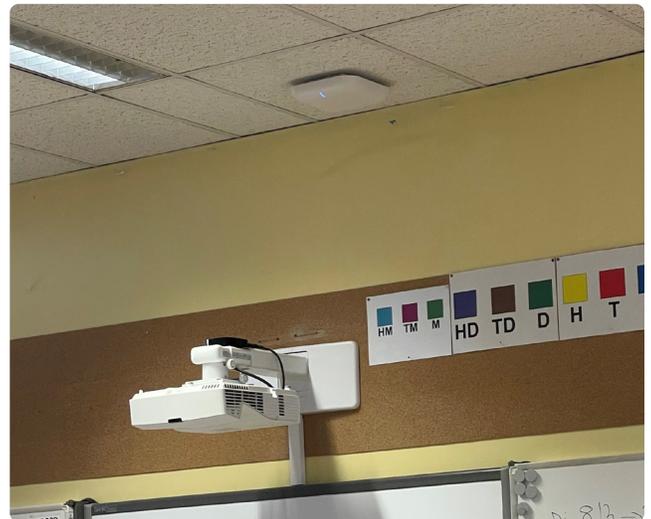
## The Results

### **NOW, 500 STUDENTS, TEACHERS AND ADMINISTRATIVE STAFF**

are connected to the Wi-Fi network. The network supports cloud applications for learning in 18 classrooms. All enjoy the higher performance and throughput. Teachers give lessons without interruptions, backend staff can work without issues, and students can stay organized if working remotely.

The XV3-8 delivers an average of 47% higher bidirectional throughput in tri-radio mode compared to the competitor. The XV3-8 delivers an average of 2.4x higher price-performance ratio and has an average of 38% lower TCO than the competing solution.

With Cambium Networks, there are no more paid licenses for updates and the wireless network management system.



### **BEST PRACTICES**

“If you’re looking for a performant Wi-Fi 6 solution at the best price, don’t look elsewhere. Cambium Networks offers the best price-performance ratio and offers a complete solution with their Cloud controller. The ConnectedPartner portal’s deal registration and training materials have been immensely helpful.”

Christophe De Mesmaeker  
 Manager  
 CDM ICT

### **ABOUT CAMBIUM NETWORKS**

Cambium Networks delivers wireless communications that work for businesses, communities and cities worldwide. Millions of our radios are deployed to connect people, places and things with a unified wireless fabric that spans multiple standards and frequencies of fixed wireless and Wi-Fi, all managed centrally via the cloud. Our multi-gigabit wireless fabric offers a compelling value proposition over traditional fiber and alternative wireless solutions. We work with our Cambium certified ConnectedPartners to deliver purpose-built networks for service provider, enterprise, industrial, and government connectivity solutions in urban, suburban, and rural environments, with wireless that just works.

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