

Adaptation of a civic center for the elderly into temporary classrooms for high schoolers due to COVID-19



“The town of Castellar del Vallès did not have experience offering Wi-Fi service to a high concentration of users. Due to COVID-19, it was quickly decided to transform a civic center for the elderly into several classrooms — similar to lecture halls — for a high school. In day 1, the temporary classrooms were equipped with a service comparable to the school itself. We are very pleased.”

JAUME USALL
TOWN OF CASTELLAR DEL VALLÈS
INFORMATION SERVICES



Ajuntament de
Castellar del Vallès

PROJECT SHEET:

- **Customer:** Town of Castellar del Vallès
- **Need/Requirement:** Provide Wi-Fi service to 4 buildings in the Educational Center.
- **Technology Used:** Cambium Pilot E600 Indoor
- **Partners:** Aplicaciones Eléctricas Ene, Cambium Networks, Wifidom
- **Implementation Time:** 1 day
- **Result:** Reliable, high-quality wireless access in an environment of high density and demand on the network. 75 students connected to the high school class via streaming as a measure of social distancing.

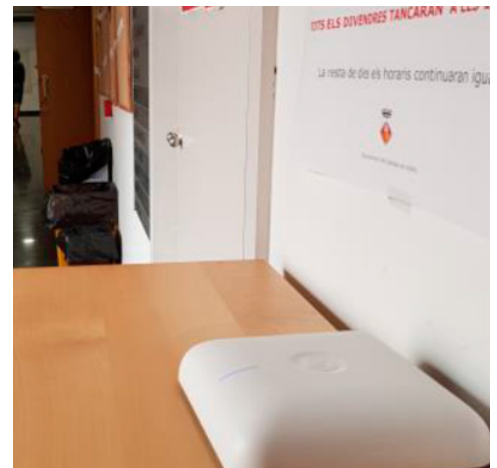
Summary

WITH 40 YEARS OF HISTORY, the Instituto de Castellar del Vallès (INS Castellar), one of two public high schools in the town of Castellar del Vallès, re-opened its doors this September. Due to COVID-19 and the safety measures that must be implemented in order to hold classes as usual and to be able to attend them in person, INS Castellar realized it had a problem in that its high school classrooms did not have the space to maintain a safe distance between students.

After not finding options to relocate the student body within the same high school wherein they could maintain a safety distance, the Town of Castellar del Vallès offered the possibility of having 3 high school classrooms with 25 students each to be located in the Casal d'Avis Building, Casal Cataluña, a day center for the elderly.

The Challenge

THE CASAL CATALUÑA has 850 m2 of space, and as it was intended for activities for the elderly, the building's Wi-Fi coverage was not sufficient to host the entire student body. The building was in a situation in which it was not prepared for the high traffic density and user concentration. It was incapable of allowing the students to keep up and participate in class as if they were at their traditional center, or for them to connect live with their laptops to the class taught at the high school.



The Solution

AFTER CHOOSING THE STUDENTS' NEW LOCATION, in order to be able to continue with their in-person classes while maintaining a safe distance, it was crucially important to choose a company that could carry out the project quickly and safely, and that no problems would not arise in the future with the Wi-Fi network. For that reason, the Town of Castellar del Vallès contacted Aplicaciones Eléctricas Ene, experts in telecommunications, data transmission, voice and security solutions. They carried out the study, installation and configuration of the project in order to provide better connectivity to the center.

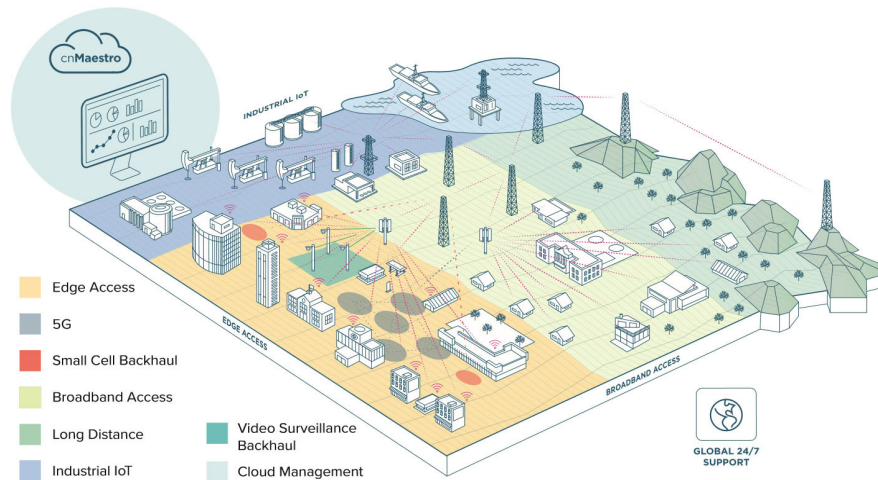
Aplicaciones Eléctricas Ene chose the brand Cambium Networks, No. 1 in secure in reliable wireless broadband solutions, distributed in Spain by its partner Wifidom, a leading wholesaler in connectivity, mobility and security solutions, to execute the project.

X E600 indoor access points were installed, increasing the performance and providing a greater number of users with a connection to the existing Wi-Fi.



The Results

BOTH THE STAFF OF THE TOWN and the teachers are very satisfied with the connectivity service hired, given that they have been able to solve the problem in record time, the students are safe, keeping their distance, and their classes can be held as they normally would.



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