



# International Art Center With Outdated Network is First to Get a Smooth, Powerful Wi-Fi 6 Upgrade

## José Nogué Art School | Jaen, Spain

More than 500 national and international students study at José Nogué Art School, an art center in the heart of Jaen, Spain that offers intermediate and advanced training in photography, illustration, furniture design, sculpting, and graphic design.

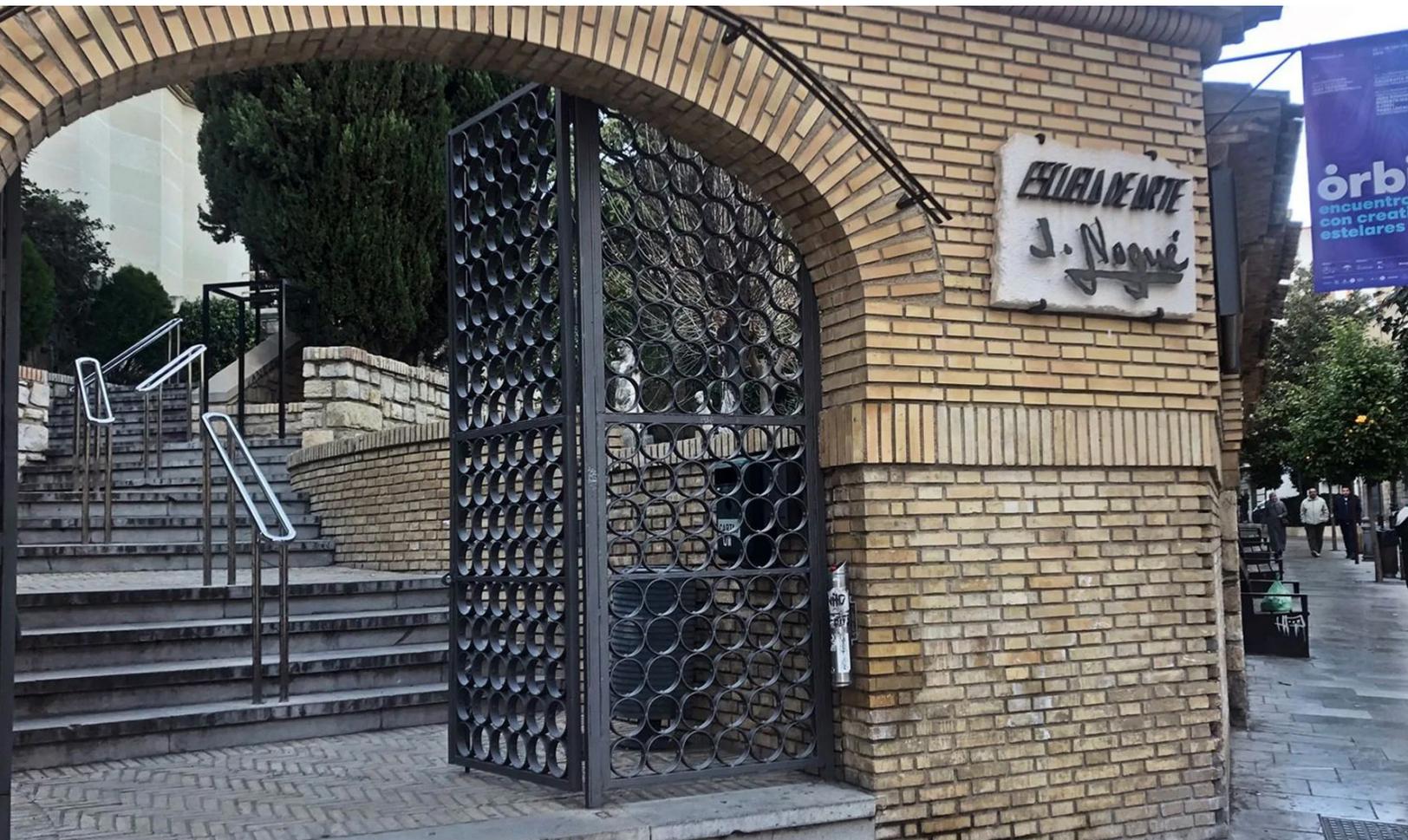
The school's namesake, José Nogué Massó, was trained at the Royal Academy of Fine Arts in Madrid before moving to Jaen where he became a professor of drawing.

## The Need

Like many schools in Spain, José Nogué Art School was equipped with an outdated network infrastructure that did not provide adequate connectivity for teachers and students. The situation was exacerbated by the need for students to access information during video conferences and transmit data-heavy files for collaboration and review.

Wi-Fi 6 technology had just been approved for use in Spain the previous year and seemed to hold the greatest promise for high quality connection and data streaming.

And José Nogué Art School was going to be the first to implement it.





## The Solution

To implement the solution, EnGenius turned to the integrator Soluciones TIC Jaén who, through the solutions provider Ecom Spain, managed to deploy the upgrade in a short time.

“We are aware of the importance of wireless networks in the day-to-day running of an educational center because teachers and students constantly depend on the stability and robustness of the network,” said Jesús Yanes, Iberia business development manager at EnGenius.

“Most already have a sufficient wired structure, capable of supporting adaptation to the new WiFi 6 technology with just a replacement of their access points. Therefore, it makes no sense to implement expired technologies that do not offer the same level of service and security.”

Specifically, Wi-Fi 6 technology would provide the art center with the following benefits:

**Higher speed.** Wi-Fi 6 offers speeds of up to 11,000 Mbps, multiplying the transmission speed of a conventional wired network by 10.

**Greater power.** New wireless technology raises the power when it comes to managing users connected to a device. This significantly multiplies its efficiency compared to its predecessor versions Wi-Fi 4 (11n) and Wi-Fi 5 (11ac), eliminates connection latency, and organizes data packet management more efficiently.

**Greater and better coverage.** As the bandwidth of the Internet connection is greater, the quality of videoconferences between teachers and students is better and avoids dropped audio or video connection.

**Enhanced security.** Wi-Fi 6 integrates the WPA3 encryption system, the new standard that guarantees the inviolability of Wi-Fi passwords, unlike its predecessor WPA2.

Greater interaction. Wi-Fi 6 opens a new world in wireless communications in terms of fluidity, stability, efficiency, and optimization of collaborative experiences. Each teacher along with 20-30 students can be connected with absolute reliability on the network..

## The Result

The art center took advantage of the wired structure it already had and created a wireless network by installing 19 EnGenius EWS357 access points, which have been specially designed for the education vertical and are characterized by a fast and intuitive installation process.

In addition, the technologies they integrate increase the efficiency of the existing network allowing the connection of more devices without affecting speed.

Manuel Ramón Molina, deputy director of the José Nogué center, was greatly impressed with the fast, affordable solution.

“The adoption of this new technology represents a very important improvement in our connectivity that all users have valued from the first moment,” said Molina. “The transformation has been frankly fast and has not meant any loss of connection or disruption in our teaching routines. All this at a very competitive cost.”

**EnGenius®**

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