

Customer type: Municipality

Country/Region: Nocaima, Colombia

Application: Municipal network, Video surveillance and free internet access to the residents and tourists



Highlights

The customer

The municipality of Nocaima, located in a remote mountainous location.

The challenge

Creating a digital communication platform to support free Internet access, video surveillance, internet access to schools and a municipal intranet.

The solution

Three Wavion WBS-2400 base stations covering over 90% of the population.

The result

Municipality coverage and advanced platform for less than 50% the cost in comparison to the competition.

The customer

The municipality of Nocaima, founded on June 8 in 1605, sits in the hills of the Andes, about 60 Km outside Bogota, the Capital of Colombia. Nocaima is a small community covering just under 70 square Km with an urban center of only 3 square Km. With its vast historical background and quaint setting, Nocaima is a prime tourism location.



The challenge

The municipality of Nocaima devised a new and ambitious strategic digital communication platform to support free Wi-Fi Internet access, video surveillance, internet access to schools and an intranet for the offices and departments of the municipality.

The new communication platform will also serve as a driver for the municipality's tourist industry. The ability to offer free Wi-Fi connectivity allows visitors to enjoy better the attractions of the region as well as maximize the utilization of the other facilities.



The solution

Following a thorough comparison between several alternative Wi-Fi solutions the municipality selected Wavion's beamforming Wi-Fi base stations. With just 3 WBS-2400 base stations deployed, 90% coverage of the population was achieved.

The deployment of the Nocaima solution was carried out by Insitel, Wavion's local distributor in Colombia. With this infrastructure providing broadband wireless coverage of the entire area, the municipality was able to realize its digital communication plan.

Now, with the new digital platform in operation, any tourist logging into the free internet service is automatically routed to the Nocaima captive portal. This portal website provides extensive information regarding the area and its tourist attractions, benefiting the tourists and serving as a promotion tool for the local businesses.

Future expansion

Remote locations lacking in a communication infrastructure, such as the municipality of Nocaima, can greatly benefit from the advanced broadband wireless solution that Wavion provides. Working closely together, Wavion and Insitel plan to bring this communication platform to additional remote municipalities in the region, thus helping them gain advanced, modern broadband services.

Why Wavion

"The Wavion solution delivered the best performance in terms of cost and efficiency" said Wilson Rojas Bohorques, mayor of Nocaima. "In fact, we needed to deploy only 3 WBS-2400 base stations in order to provide coverage to over 90% of the population. As a result, the total cost of the solution was less than 50% in comparison to the competition."