

# CommScope and AmericaNet bring public Wi-Fi to millions of people in São Paulo

The city of São José dos Campos in the state of São Paulo—the first Brazilian smart city certified by ABNT (Brazilian Association of Technical Standards)—gained around 700 access points for public internet connections in 2021. This infrastructure was implemented by service provider AmericaNet, which adopted solutions from CommScope RUCKUS® to bring free internet to more than 200,000 people every month.



**Sector:** Government  
**Clients:** Municipalities of São Paulo and São José dos Campos  
**Partner:** AmericaNet  
**Country:** Brazil  
**Goal:** Offer a high-quality public Wi-Fi infrastructure to the population of the cities of São Paulo and São José dos Campos

Among the equipment used in the project are integrated antennas, SmartZone™ virtual controllers, RUCKUS T310 outdoor Wi-Fi access points, and RUCKUS R510 (higher density) and R310 (lower density) indoor access points. In

addition to CommScope RUCKUS Wi-Fi hotspots, AmericaNet provides internet connectivity through its network in the main urban centers of the state, along with the necessary infrastructure for interconnection and energy stability.

“CommScope RUCKUS contributes to the AmericaNet team with solutions for control, management and data analysis that simplify large-scale operations and improve the performance of the whole Wi-Fi environment, in addition to providing essential data for operating the network and for public

managers,” explains Gustavo Barros, Enterprise RUCKUS solutions manager at CommScope.

The partnership between AmericaNet and CommScope began in 2017 and includes other large projects such as Wi-Fi Livre SP in the capital of São Paulo, which is one of the largest public internet initiatives in Latin America and covers cultural centers, squares, libraries, tourist areas, train stations and parks such as Ibirapuera. This massive project served as the basis for the infrastructure later adopted in São José dos Campos.

**Challenge**

Implement resilient solutions that would support the most different situations—avoiding unnecessary expenses for municipalities with maintenance and updates.



“The issue of quality is very important for us, because there is no point in installing equipment of any brand. You have to implement something that is resilient, that supports the most different situations. Otherwise you will end up spending a lot of money on maintenance. By using a very high-quality product, recognized by the market, we have great resilience, in addition to excellent quality of service.”

**Eduardo Vale**  
CTO AmericaNet

In the São Paulo project, started in 2019 and completed in 2020, 1,200 RUCKUS access points were deployed in about 600 hotspots throughout São Paulo, serving more than two million people per month.

“We did a satisfaction survey with 14,884 responses, and the result shows that the service has the approval of 84.49 percent of users, of which

80 percent classify the signal as excellent,” says Laís Maria Ribeiro Hilario, supervisor of the program at the municipal secretariat of innovation and technology in São Paulo.

In São José dos Campos, the municipality will be the first in Brazil to be certified by ABNT as an Intelligent City, according to three international standards. Only 79 cities in the world have this certification. The certification process is being developed by ABNT in association with the São José dos Campos Technological Park and is part of the pilot certification project, where the methodology will be tested and adjusted in the coming months.

For the smart city project in São José dos Campos, AmericaNet implemented an entire infrastructure of cameras with analytics (technology that automatically analyzes videos and identifies security events, for example), MPLS networks (for multimedia files), high-speed internet, Wi-Fi in schools, and outdoor Wi-Fi.

For the population (and particularly for those with lower purchasing power), access to quality, high-speed public Wi-Fi is essential. An IBGE survey released in 2020 showed that one in four people in the country did not have access to the internet—equivalent to more than four times the population of Portugal.

After making the technology available for Wi-Fi Livre SP in the capital city, which serves more than two million people, the provider offers the infrastructure for the smart city project in São José dos Campos with more than 700 RUCKUS access points.





“During the resumption of post-pandemic normality, the offer of public Wi-Fi access will have an even more positive impact and should gain special attention from mayors who took office in 2020, as it addresses an objective need of the population. With the growing demand for tele-education and digital businesses, an increasing number of cities will adopt public Wi-Fi service.”

**Gustavo Barros**  
Enterprise RUCKUS solutions manager at CommScope

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world’s most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at [commscope.com](https://www.commscope.com)

**COMMSCOPE®**

[pt.commscope.com](https://pt.commscope.com)

Visit our website and contact your CommScope’s account manager for more information.

© 2022 CommScope, Inc. All rights reserved.

All trademarks identified by ™ or © are trademarks or registered trademarks in the US and may be registered in other countries. All product names, trademarks and registered trademarks are property of their respective owners. This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to CommScope products or services.

CS-116452-EN (02/22)