



## MUNI SA EG's Fixed Wireless Broadband Service Is Exceptionally Reliable, Even During Periods of Peak Demand

*Network Delivers 100 Mbps Service with Higher Reliability*



“Muni SA Equatorial Guinea made its entry into the telecommunications industry in 2008 and has rapidly established itself as a prominent provider of communication services to both individuals and businesses throughout the country. With extensive deployment of fixed wireless broadband infrastructure, we have emerged as a leader in enterprise solutions, offering unparalleled services”

JULES RUGWE,  
CHIEF TECHNICAL OFFICER,  
MUNI SA

**THE EQUATORIAL GUINEAN GOVERNMENT**, in collaboration with institutions like the Telecommunications Regulator and the Ministry of Telecommunications, has implemented measures to restructure the telecommunications sector and improve public access to internet services. However, the surge in demand has placed strain on the existing infrastructure, compromising the quality of service provided. Recognizing this challenge, Muni SA has been exploring alternative solutions to ensure reliable performance. They have adopted fixed wireless broadband solutions that optimize spectrum utilization, offer robustness and effectively mitigate latency issues. This strategic approach aims to address the increased demand and guarantees an enhanced internet experience for the public.

### The Challenge

**TO MINIMIZE LATENCY**, ensuring efficient and responsive communication, Muni SA has embraced the use of Cambium Networks devices, particularly the ePMP™ 3000 fixed wireless access points (AP) and Force 425 subscriber modules (SM), which have been widely deployed throughout their network. These devices are renowned for their robustness, ensuring the delivery of high-quality services. Additionally, these devices offer high capacity, enabling Muni SA to handle increased data demands without compromising performance. Furthermore, their high availability ensures that customers can rely on a consistently stable and dependable connection. The utilization of Cambium Networks devices by Muni SA guarantees a reliable and exceptional broadband experience for their customers.

### The Solution

**MUNI SA'S EXPLORATION** of various network possibilities led them to partner with GreenLine Technologies, who introduced them to Cambium Networks' solutions. After careful evaluation, they determined that the ePMP 3000 fixed wireless APs along



with F300-19 and F300-25 SMs, as well as F425 devices, were the best fit for their current needs. As a result, Muni SA proceeded with the installation of these devices throughout their network, enabling them to provide enhanced communication services to their customers.

The customers who have received service from Muni SA are highly impressed with the solutions' reliability, resulting in a positive and satisfying experience.

The installation process has been supported by the LINKPlanner design tool to meticulously plan the network. The GreenLine Team provided valuable assistance in the planning and design of the Point-to-Multipoint (PtMP) links. The reports generated by the tool served as a guide for Muni SA's engineers during the field survey and implementation phase of the installation.



The ePMP platform is an integral component of the Cambium ONE Network, which offers a unified and streamlined approach to network operations. By combining various elements into a cohesive architecture, Cambium's ONE Network transforms the network from a fragmented collection of components into a unified system. ePMP technology seamlessly integrates with other essential elements such as Wi-Fi, switching, network security, SD-WAN (Software-Defined Wide Area Network), and outdoor fixed wireless infrastructure. This integration is facilitated by the cnMaestro™ cloud management platform, which serves as a centralized management tool for the entire network.

“In response to the inconsistent performance and service quality experienced by some of our clients on the existing network, we recognized the need to upgrade their network infrastructure. The objective was to enhance the overall quality of service and address the reliability issues they were facing. As a result of the network upgrade, we were able to achieve a substantial increase of over 100 Mbps in throughput capacity. This upgrade not only boosted the network's capacity but also significantly improved its reliability, ensuring a more consistent and seamless experience for our clients.”

- Lucienot Raitsarevo, Head of Business Unit ISP, Muni SA

## And Now...

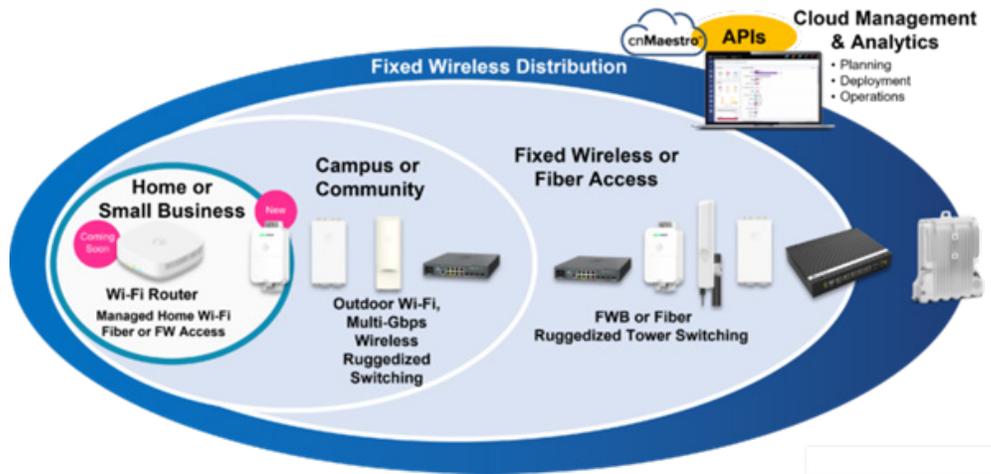
**MUNI SA RECOGNIZES THE VALUE** and reliability these solutions bring to their network, and they are eager to integrate them to further enhance their service offerings. By leveraging the advanced technology provided by Cambium Networks, Muni SA aims to deliver exceptional connectivity and communication solutions to meet the evolving needs of their customers.



## Cambium's ONE Network



**THE CAMBIUM ONE NETWORK** automatically provisions, manages and monitors different elements of the network from a single pane of glass with cnMaestro™ cloud management. It simplifies operations with a converged network that spans from cloud to edge that optimizes multiple technologies, including fixed wireless (3 GHz CBRS, 5 GHz, 6 GHz, 28 GHz and 60 GHz), indoor and outdoor Wi-Fi access points, switching, fiber infrastructure, Quality of Experience (QoE) and LiDAR-based coverage analysis. Cambium's ONE Network lets service providers focus on the network as a whole rather than the individual elements and deliver outstanding online experiences.



### ABOUT GREENLINE TECHNOLOGIES

[GreenLine Technologies](#) is a leading Value-Added Distributor in Africa, specializing in cutting-edge information and communications technology solutions. They have over 11 years of experience serving the African market and operate in multiple countries. Their key differentiators include unmatched 24/7 technical support and a focus on wireless networking equipment distribution and implementation. They serve a diverse range of clients in sectors such as enterprise, government, education, healthcare, and security. GreenLine Technologies' commitment to customer support and expertise in wireless technologies has solidified their position as a trusted provider in the industry. They offer complete solutions for challenging projects and emphasize the importance of delivering tailored and customized offerings to their customers.

### ABOUT CAMBIUM NETWORKS

[Cambium Networks](#) enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences and device connectivity with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We deliver connectivity that just works.

[cambiumnetworks.com](http://cambiumnetworks.com)