



Sarasota Airport's Connectivity Revolution with SLICE and Cambium Networks



Customer Overview

SLICE Wireless Solutions Inc., since its inception in 2016, has quickly ascended as a frontrunner in providing robust Wi-Fi service across various high-demand environments, including airports. Notably, SLICE has significantly enhanced connectivity at the Sarasota Bradenton International Airport (SRQ), showcasing its expertise in network slicing and high-density networks.

Business Challenge

The Sarasota Bradenton International Airport was grappling with inadequate Wi-Fi that couldn't meet the demands of its growing passenger volume. This resulted in sluggish speeds, frequent disconnections, and a negative impact on both passenger satisfaction and operational efficacy.

Technology Solution

SLICE has developed a patented process called WiSNET (Wireless super network) that turns expensive, revenue-dormant wireless networks into a cost recovery and revenue generating platform.

WiSNET is engineered to unify disparate and multi-technology wireless networks into a user-controlled “plug and pay” solution addressing the unique wireless needs of densely populated environments such as airports, malls, public transit



SARASOTA BRADENTON INTERNATIONAL AIRPORT



Cambium Networks™

CASE STUDY

terminals, public parks, stadiums and more! Whether you are a traveler, smart vendor, operator or a concession manager, and wireless connections are enabled through wired or wireless, software applications, captive portals, or uplink control (pay tier services), WiSNET offers centralized management and data analytics capture through its user-friendly dashboard.

IT managers now have the power to “slice” up the network providing maximum security and auditing by controlling access per user, per group, or per network traffic shaping including dynamic VLAN assignment. With WiSNET, not only can you “slice” bandwidth into multiple networks, but you can do so down to the individual device to further offer enhanced experiences and limit data breaches. Your user-operated network is open and comes alive with customized, feature-rich control delivering cost recovery through a branded portal, advanced data, revenue generation and location tracking.



The Cambium Networks technology features:

- **Cambium Networks XV2-2X Wi-Fi 6 Access Points:** These access points enhance network speed and connectivity, crucial for the airport’s bustling environment.
 - Key Features: High-speed 2.5 GbE uplink and strategic application policy control.
- **Cambium Networks cnPilot™ e500:** Perfect for outdoor settings, these APs provide reliable coverage even in interference-heavy zones like airport exteriors.
 - Key Features: Durable IP67 rating and an LTE filter to cut down interference.
- **XE5-8 Wi-Fi 6/6E Indoor Access Point:** Future-proofing indoor coverage with five radios and tri-band technology to accommodate an expanding array of devices.
 - Key Features: An impressive 15.6 Gbps data rate and dual 5 GbE uplink ports for peak performance.

Field Results

The transformation at SRQ was stark, marked by enhanced speed, reliability, and operational efficiency. Passenger experiences improved significantly, mirrored in their positive feedback and the airport’s ability to handle more traffic seamlessly.

Business Value

This project not only solidified operational efficiency and passenger satisfaction but also paved the way for new commercial avenues, enriching SRQ’s business model. John Hutzler, COO of SLICE, stated, “Our collaboration with Cambium Networks at SRQ has set a new standard for airport connectivity, markedly enhancing both operational capabilities and the passenger experience.” He further added, “Seeing our vision for a fully connected airport come to life with Cambium’s support has been a milestone achievement for us.”



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 make connectivity that just works.

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