

# Freedom to Rebuild with Cambium Networks



## Overview

“We chose Cambium Networks for the simple reason that it’s a better, more reliable product. We met with the Cambium team, tried out the equipment, and today 100% of our network is Cambium Networks and we are able to deliver everything we promise to our clients.” - ANDRES M. RAMOS, PRESIDENT, FREEDOM NETWORKS LLC

**IN THE AFTERMATH OF HURRICANE MARIA**, Puerto Rico’s government, local and international emergency response agencies, and technology integrators faced an immediate struggle to reestablish vital utilities such as electricity and fresh water – and connectivity to support the communication necessary to coordinate all recovery activities.

Freedom Networks, a WISP and technology integrator serving the northern central municipality of Vega Baja, was presented with an opportunity to supply voice, video and data connectivity service to two large FEMA disaster recovery camps. In an environmentally hazardous area laid waste under flood water, debris both natural and man-made, and facing continuing unpredictable weather conditions, connecting high-capacity deployments was a significant undertaking.



### WHY FREEDOM NETWORKS CHOSE CAMBIUM NETWORKS

- Cambium Networks rugged backhaul and Wi-Fi solutions connect across unstable terrain, supporting reliable last mile access that defies environmental and topographical challenges.
- Cambium Networks offers software tools to ensure success at all stages, from pre-deployment planning to expansion of growing networks

## Solution

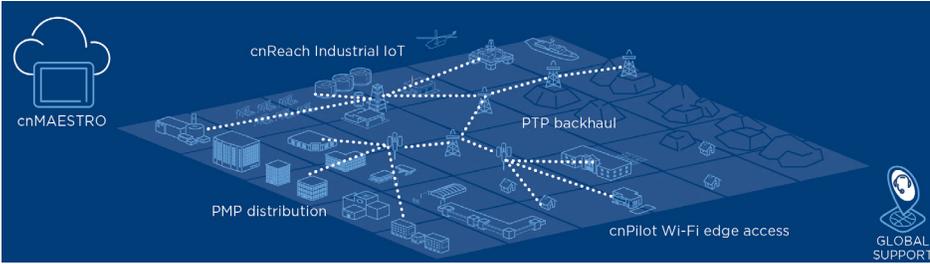
**FREEDOM NETWORKS BEGAN TO TEST SOLUTIONS** from various manufacturers in its search for equipment equal to the challenge. After a few attempts with other vendors, Freedom Networks met with Cambium Networks representatives to discuss the scope of the project and test an action plan.

Using the free LINKPlanner™ software, Freedom Networks was able to model the real-life parameters of their goal deployment to optimize for the challenging conditions, design the network, and complete the deployment within four days – installing rugged PTP 650 and 450i backhaul links, and cnPilot™ 802.11ac wave 2 enterprise outdoor Wi-Fi access points.



### The Cambium Networks Difference





## Results

### WITH THE COMMUNICATIONS INFRASTRUCTURE

**REBUILT**, Freedom Networks' customers were able to move forward rapidly as the disaster situation demanded and complete their reports in a timely fashion. Video conferencing was available and stable for reporting to FEMA oversight. Additionally, Freedom Networks' deployment offered an example to other service providers that the time and cost of installing cable for connectivity wasn't necessary.



The service Freedom Networks restored to Vega Baja supported over 100 FEMA inspectors, accelerating response and recovery for thousands of affected families. As Puerto Rico and her residents heal from this harrowing ordeal, Freedom Networks looks forward to continuing its connectivity partnership with Cambium Networks technology, helping the communities it serves not only recover, but also grow.



### BEST PRACTICES

- Prioritize quality – investing in the right equipment can seem prohibitive, but the cost benefits of selecting high-performing solutions yield a lower total cost of ownership and support a better return on investment.
- Test potential solutions before purchase to ensure that you use the right tools for the job