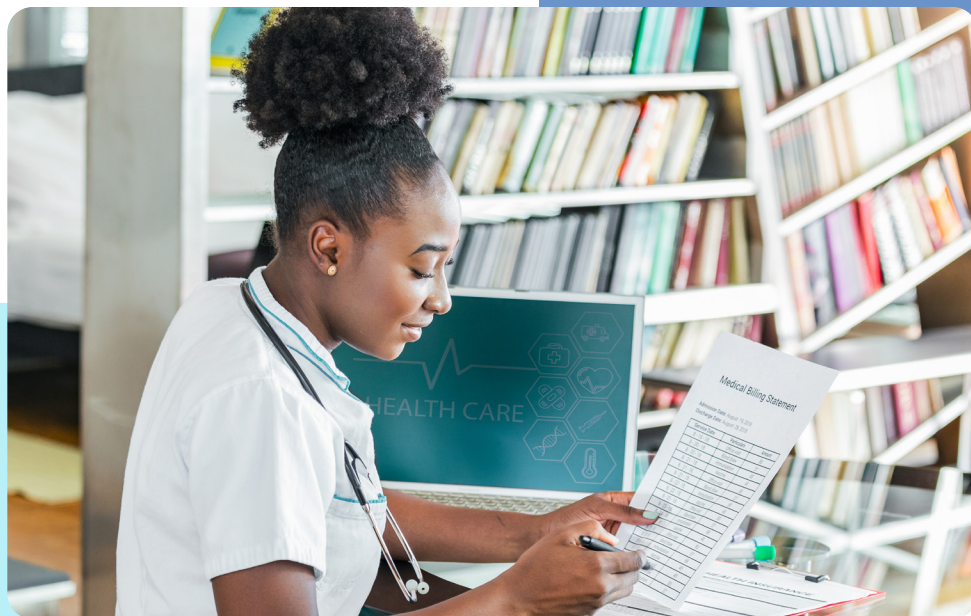


CASE STUDY

# Full Mobile Coverage Area

FOR A MEDICAL OFFICE



## Client Profile

**A 75,000-square-foot medical office building does not function at an optimal level** because an outdated Distributed Antenna System (DAS) inhibits ubiquitous communication due to the frequency spectrum changes with the carriers.

The medical office's main function is to provide important patient and administrative data to a hospital campus but is unable to do so due to a limited mobile coverage area.



## QUICK SPECS



### INDUSTRY

HEALTHCARE BILLING



### VENUE SIZE

75,000 SQ FT



### CAPABILITIES

LTE AND 5G



### CARRIERS SUPPORTED

AT&T AND VERIZON



### SOLUTION

VERTEX DAS

IMPLIMENTATION

# The Network Problem's Effect

As new communication channels are developed, hospitals and their corporate subsidiaries use mobile technology to communicate on a range of subjects. From patient care to administrative details, hospital campuses and corporate offices need to be in constant communication to optimize effectiveness.

While across-the-board communication has vastly improved the overall function of medical offices and hospitals, our client became inhibited by the limited network. Their previous **DAS shut off quick and easy communication, which delayed important messages and frustrated staff members.**

As the medical office and hospital worked side by side, the staff remained unable to use tablets and smartphones to convey important billing and diagnostic data.

## THIS LIMITED NETWORK BECAME THE ROOT CAUSE OF SEVERAL PROBLEMS:

- 1 The system deterred quick and easy communication between the staff.
- 2 The medical office's employees missed several important calls from doctors and administrators.
- 3 The fast-paced operations slowed down due to frequently missed attempts at communication.





# The Challenges to Overcome

In our client's unique situation, we needed to create an expanded network that fit the needs of a medical office. **To overcome this obstacle, we needed to design the ideal solution that allowed the medical office and the hospital campus to communicate effortlessly.**

## ANOTHER CHALLENGE

After we pinpointed the problem with the radio frequency at the medical office, we found the DAS needed to allow both AT&T and Verizon to be used.

**We created a neutral host multicarrier system that would allow the medical office to function at its highest level with clear and available communication capabilities.**

## WHO WE NEEDED TO WORK WITH

For this medical office, we needed not only to solve the technological problem but also to create an agreement with the current network providers. After we coordinated our services with vendors, we handled materials and labor and ensured quality management of the new system.



# The Results

All mobile devices remained functional in our client's office long after we completed the job.

Through quality assurance and regular maintenance, we made certain the new mobile coverage area supported all carriers with widespread coverage.

## WHAT THE CLIENT SAW

Our client experienced **no failed communication between their office and the hospital campus and daily work was completed faster and more accurately.**





From healthcare to education, we meet institutional needs through network implementation, wifi enablement and more. Whatever it takes to keep your institution running efficiently, We are there. Interested in seeing how Vertex can help your company's connectivity needs? **Get in touch today.**

**GET IN TOUCH**

