

Network OPTIMIZATION | Networking (Wired & Wireless)

### Connecting the dots reconnects a critical wireless network.

A Fortune 500 technology company was experiencing wireless performance issues across their major campuses in the U.S. – lost connectivity, signal interference, and subpar performance (e.g., low speeds). The company had spent tens of thousands of dollars on assessments with their legacy VAR but had been unsuccessful in identifying the cause behind its network issues. Zones performed a series of assessments at multiple client sites and identified a number of significant design and configuration issues. Having identified the issues, Zones networking experts redesigned the company's wireless infrastructure and deployed new Cisco equipment in all locations, restoring high-speed wireless connectivity across the organization.

#### Challenge

- Lost connectivity.
- Signal interference.
- Poor speeds.
- Degraded worker productivity.

#### Solution

- Identified design and configuration issues through a comprehensive wireless survey assessment.
- Designed and deployed a complete Cisco-based wireless networking solution.

#### Results

- Restored wireless performance and coverage.
- Increased worker productivity.
- Planning for an all-wireless future.



### Case Study | Network OPTIMIZATION | Networking (Wired & Wireless)

#### The Challenge

Our client, a Fortune 500 technology company was experiencing wireless performance issues across their major campuses in the U.S. – lost connectivity, signal interference, and subpar performance (e.g., low speeds), resulting in lost employee and end user productivity. Despite spending tens of thousands of dollars on assessments with their legacy VAR, the company had been unsuccessful in identifying the cause(s) of its network issues.

Knowing there had to be a solution to its connectivity issues, the company engaged the Zones networking team to examine the network infrastructure yet again.

#### The Solution

The Zones team performed detailed site surveys at the company's Silicon Valley headquarters and at its Research Triangle Park, NC campuses, spending at least a day in each location walking each building to assess hyperlocation, Real-Time Location Systems (RTLS), Radio Frequency Identification (RFID), and Bluetooth Low Energy (BLE) performance. In total, the team spent over 95 hours performing the full assessment and connecting the dots to identify a number of design flaws and configuration issues.

At that point, the company asked Zones to provide a proposal for an updated wireless environment. Upon acceptance, Zones executed a complete redesign and reconfiguration of the company's wireless network to address all its performance issues.

#### The Results

Designed largely around Cisco wireless access point and switches, the reconfigured wireless network quickly restored performance and productivity.

Today, the company's workforce is leveraging its upgraded high-speed wireless network to access an increasing amount of critical applications and data, with the expectation that it will go all-wireless as they create modern, open workplaces across the organization.

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