Wi-Fi And Local Area Network (Lan) Implemenation

A better network leads to better performance.

A multinational food and beverage company turned to Zones to revamp their network architecture. The company was undertaking substantial growth and needed a more complex network implementation to accommodate its many users and devices across hundreds of facilities. Zones worked with the client's IT leadership to streamline their network design, focusing on increasing speed and reliability. The project was a success, and the results were considerable – including a significant increase in ROI, faster technology implementation times, reduced costs, a more secured wireless environment, higher productivity, and greater scalability moving forward.

40% increase in ROI.

60% reduction in new technology implementation time.

30% cut in network support spending.

250 sites utilize Zones services and solutions across the US.

CHALLENGE

- The client experienced rapid growth, which drove demand on the aging network architecture to handle more devices.
- New technologies like robotics placed even greater pressure on the corporate network to address bandwidth and latency.
- Keeping their Wi-Fi access points connected and secure was a key challenge, as the client was concerned about the potential cost that downtime on the production floor could create.
- The aging legacy network was not scalable and impeded the company from scaling to serve its business growth.

SOLUTION

- Zones engaged at multiple levels, including the executive level, to understand the client's pain points and devise a strategy to solve them.
- Streamlined network design, focusing on increasing speed and reliability to ensure business continuity in the facilities.
- Designed a wireless solution that was equipped to handle the unique needs of the food and beverage industry, including cleanliness standards and high temperatures requirements.
- Zones took care of client's sourcing and project management needs, including a new team of wireless and network engineers.
- Zones was singularly accountable for the client's network, thanks to the superior portfolio of products and services.

RESULTS

- 40% increase in ROI, plus 60% reduction in new technology implementation time.
- 30% cut in network support spending, plus 20% in procurement and 35% in network implementation.
- Greater scalability for tackling new strategic initiatives in the future.
- Zones handles services and solutions across 250 US sites.

Consider **IT** done.   Visit **zones.com** or call **800.408.ZONES** today.

THE CHALLENGE

The client needed to revamp their network. With the rise of the Internet of Things (IoT), the client felt the need to remediate their wireless networking to handle the bandwidth demand from the increased quantity of devices. They were growing larger over time, but their legacy network was inefficient and hard to use, making it challenging to handle the bandwidth demands of a heavier volume of user devices. Also, they were facing increased demand for automation and required to support emerging technologies such as robotics onsite. On top of it all, there was a clear need for a more reliable Wi-Fi network and a more secure system, as even one minute of downtime threatened to impede operations, resulting in significant financial losses.

THE SOLUTION

Zones had already been working for the client on maintaining their wireless when the client engaged on the executive level asking if Zones would be interested in taking on more responsibilities. Because Zones has their own internal networking team, they didn't have to source out projects like the competition, saving time and money for the client. During Zones' meeting with the client's executive leadership, they discussed their specific challenges and craft a detailed roadmap to build a more robust network. Zones and the client made plans to streamline network design, including fewer access points, to increase speed and reliability. During the project, Zones designed floor plans for each site. These plans were simplified versions of architectural blueprints, which detailed wall compositions, the feet between walls, and more. This helped define quantities and locations for the new network infrastructure, such as wireless access points and racks, cabling, and the necessary support to keep the infrastructure safe. Because the client works in the food and beverage industry, several additional concerns had to be kept in mind while building the solution, many of which are unique to the industry. The infrastructure needed to work perfectly in close proximity to the high temperatures associated with ovens and fryers. It was also necessary that the solution maintain strict cleanliness at all times to prevent contamination.

> When the client needed to overhaul their network architecture, they knew their in-house IT team had never performed a task of this scale, so they reached out to Zones for help. By leveraging our Network Optimization solutions, Zones was able to completely revamp the client's network, replacing the out-of-date legacy architecture with a streamlined, modern new system.

Solutions Architect,
Zones

Throughout the project, Zones maintained singular accountability for the client's IT. They provided the client with a team of wireless and network engineers and project managers to help with the complexity of operating such a large project. In all, Zones now provides services and solutions for over 250 of the client's sites, with plans already in place to eventually cover all 1,500 sites across the United States.

THE RESULTS

Zones was able to deliver a superior network design and implementation than what the client had previously. This yielded precise results – the company saw an immediate **40%** increase in ROI and a **60%** reduction in new technology implementation time. Costs decreased for the client as well – they began spending **30%** less on network support, **20%** less on procurement, and **35%** less on network implementation. Not only that, but the new infrastructure offered the client a great deal of newfound scalability, which will come in handy down the road as they look to scale upward and take on new strategic goals.

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