SEAMLESS CONNECTIVITY UPGRADE FOR HIGH-RISE EFFICIENCY AND MODERNIZATION

IT Services Use Case by WilloWeb



OVERVIEW

A high-rise building faced connectivity challenges, including common area Wi-Fi, EV charging stations lacking Internet, outdated and costly back-office voice systems, and insufficient connectivity for vendor and delivery services. The client sought non-invasive solutions to enhance connectivity while minimizing structural impact in this existing infrastructure.

BUSINESS CHALLENGES

The high-rise building faced connectivity challenges due to infrastructure constraints, complicating coverage extension. The client needed common area Wi-Fi, EV charging connectivity, and updated communication systems with minimal structural impact. Preserving the building's integrity was essential while addressing modern needs, including vendor and delivery service communication. Creative solutions, such as leveraging existing cabling and innovative deployment methods, were required to provide seamless connectivity throughout the property without invasive installations

SOLUTION IMPLEMENTED

- Connected to the WilloWeb backbone to provide reliable Internet connectivity
- Rerouted and extended existing Ethernet cables to minimize new installations.
- Provisioned a VoIP solution to address the location's communication needs.

RESULTS

WilloWeb provided seamless connectivity throughout the high-rise by deploying APs in common areas and extending fiber and Ethernet to EV charging stations with minimal disruption. The VoIP solution modernized back-office communications, intercoms, and vendor systems, including Amazon lockers and package monitoring.

Utilizing existing infrastructure where possible, the deployment reduced the client's communication costs by over 50% while delivering reliable and comprehensive connectivity for tenants and building operations.

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