

Enhancing Network Infrastructure for Optimal Warehouse Operations



CHALLENGE

A distinguished third party logistics facility encountered difficulties with obsolete and untrustworthy network infrastructure, impeding their ability to meet the increasing demands of their business operations. The existing security systems proved inadequate which is necessary for effective inventory management, customer service, and sales processes. Scalability was further restricted and seamless technological integration was hampered by compatibility issues resulting from the merging of legacy systems. Frequent network outages and disruptions caused by malfunctioning cables and poor cable management raised customer displeasure and decreased productivity. Resolving these challenges became imperative for the facility to effectively support their expanding operations.

SOLUTIONS

ETG initiated its Discovery & Design process to assess vulnerabilities in multiple areas such as Main office, Warehouse facility, Inbound and Outbound Shipping. ETG adopted a comprehensive strategy to handle the network infrastructure of the logistics facility by installing premium copper horizontal and fiber-optic backbone cables, patch panels, and racks. ETG resolved the issue of inadequate network capacity and enabled the smooth transfer of data. Next, customized security solutions, such as intrusion detection and alarm system, surveillance system, wireless system, intercom system and access control system. Additionally, ETG efficiently deployed the required hardware and software components, seamlessly integrating them with the brand's existing infrastructure. These measures significantly reduced network disruptions and improved reliability. The implementation of ETG's Quality Control program ensured optimal performance across the security solutions.



Dean Estrada Sales Engineer
Empire Technologies Group Inc.

"Our company has remained resolute in delivering exceptional solutions to our valued customers through our meticulous discovery and design process. Recognizing the pivotal role of technology in various environments, we fully understand the significance of providing dependable technology solutions, especially in the domain of security systems that surpass our clients' expectations. Our goal is to ensure the safety of our clients' assets and personnel by offering reliable and efficient security solutions."

RESULT

The execution of our comprehensive Design & Discovery process resulted in an enhanced security for the logistics facility. ETG's thorough approach and effective solution of low voltage systems witnessed remarkable improvements in their network performance, data transmission efficiency, and overall security. This transformation resulted in optimized operations and increased productivity. Ongoing support services through ETG's Total Care played a crucial role in sustaining the effectiveness of the implemented security solutions by promptly identifying and resolving emerging downtime concerns.