

Cold Storage: An IT Deployment Case Study

How netRelevance Helped a
Global Leader Expand Capabilities



Background

A Mobile Device Management supplier was implementing a new inventory tracking system for one of their customers, a Global leader in temperature-controlled storage and distribution that provides technology-based engineering solutions for the temperature-controlled supply chain industry.

Their client was rapidly acquiring and expanding locations throughout the US and needed to bring these newly acquired sites up to the latest standards, providing a secure, redundant network with 100% wireless coverage throughout their facilities.



Client Challenges



Rapid Upgrades: The client needed to elevate the IT infrastructure of multiple sites within tight timelines.



Environmental Challenges: Extreme cold temperatures limiting equipment options.

- Cold temperatures causing cables to become brittle and less flexible during installation.
- These sites featured tall rack systems that presented wireless coverage hurdles.



Operational Constraints: Many sites required continuous operation, sometimes 24/7, posing logistical challenges during implementation.



Safety Concerns: The project involved working in frigid -20 degree temperatures, operating lifts at heights exceeding 40 feet, and navigating busy sites with forklift activity.



Network Requirements: The client demanded a network with maximum uptime, uncompromising security, and 100% wireless coverage throughout their facilities.

◆ Solution

To address these challenges, netRelevance employed the following:



Project Management: netRelevance provided project coordination, oversight, resource scheduling, and equipment scheduling to ensure efficient execution while maintaining budgets and tracking safety.



Local Expertise: Leveraging their national partner network, netRelevance deployed local technicians to install and implement the solution swiftly.



Wireless Design: netRelevance's wireless engineers meticulously designed the wireless infrastructure, maximizing coverage even in challenging environments.



Onsite Survey: Prior to installation, a thorough onsite survey was conducted to provide insights, develop a detailed scope of work, and generate accurate quotes.



Robust Cabling: The installation included freezer-rated CAT6 cabling and OM4 Fiber, tailored to withstand harsh conditions. Redundant CAT6 cabling was also put in place to ensure maximum uptime.



Network Redundancy: Redundant network switches were installed to bolster network reliability.



Security Measures: Lockable MDF and IDF cabinets were added to enhance network security.

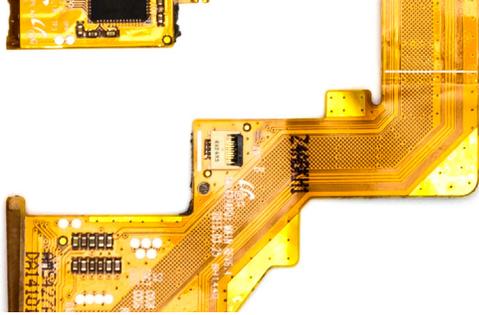
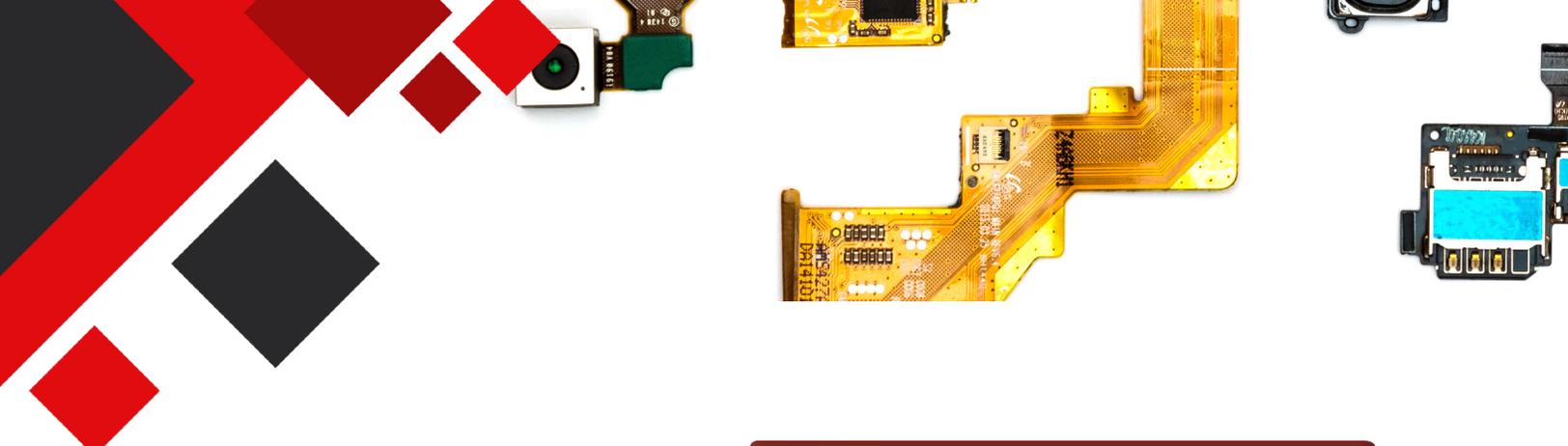


Wireless Access Points: Specialized wireless access points with external antennas were strategically positioned to cover narrow, tall, and long aisles effectively.



Cutover Support: Critical cutover activities were scheduled afterhours to minimize site downtime.





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Expect more, Achieve more.

Results

By partnering with netRelevance our client was able to expand their capabilities providing their clients with a single resource to meet their demands and meet deadlines with zero injuries and minimal impact to their operations.

netRelevance expertise in multi-site rollouts, expertise in structured cabling, wireless design and installation resulting once again in a successful network infrastructure project for a global leader in cold storage.



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