

V-SOFT CONSULTING

Case Study

Modernizing Enterprise Network Infrastructure for Operational Efficiency

COMPANY

A Fortune 50 multinational pharmaceutical, biotechnology, and medical technologies corporation, consistently ranked amongst the top corporations in the United States.

CHALLENGES

The client's manufacturing site was operating on an aging network infrastructure that was nearing end-of-life, disorganized data cabling that hampered their maintenance, and a lack of network documentation that made planning and execution difficult. All these have led to inefficiencies and challenges in future expansion.



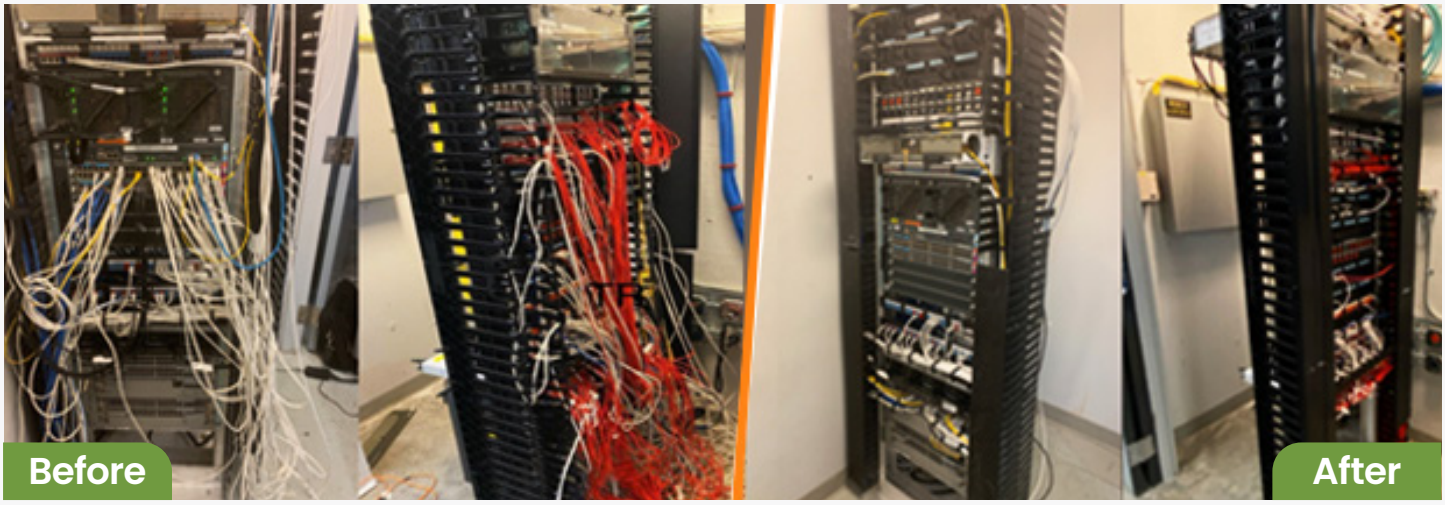
SOLUTION

We planned and implemented the network equipment upgrade successfully to modernize the client's infrastructure while minimizing operational disruption.

- Conducted a thorough site survey, covering switches, rack space, fiber, and open ports, providing enhanced visibility and better planning for the future.
- Planned and replaced hardware in phases, especially during holiday shutdown periods to ensure zero operational downtime.
- Performed complete cable cleanup by removing the ports that were unused for more than 6 months.
- Deployed shorter patch cables to give the switches a cleaner look.
- Applied structured wire management for long-term sustainability.

Hardware Replaced:

- 42 Access Switches
- 2 Server Switches
- 2 Core Switches
- 4 Wireless Controllers



RESULTS

- The client now operates on a highly efficient and reliable network infrastructure tailored to the demanding environment of modern manufacturing.
- Organized cabling resulted in the racks looking cleaner, having enough space for better airflow, and easier troubleshooting.
- Upgraded network equipment has now improved reliability and speed across the manufacturing site.
- Future-proof design helped build a network setup that can scale considering the digital transformation needs with minimal friction.
- Comprehensive network documentation has delivered a thorough understanding of infrastructure layout to support continuous IT planning and support.

Equipment Used	Switches and Wireless Controllers

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