Data Center & Networking:
Core Infrastructure Update Project

Facing an **antiquated Operating System,** poor network performance, and **old hardware,** our **construction client** was looking for a **total overhaul.** We helped with **the demolition,** then **built** a virtualized **solution** that **increased** security and **performance** while **saving** money. | **Problem solved.**

Our construction client owns and manages more than 125 buildings in 30 office parks, representing more than six million square feet of space. Urban or suburban, high-rise or sprawling business park, luxury condominium or high school field house, they strive for quality, value and efficiency for the entire life cycle of the building.

PROBLEM	SOLUTION	RESULTS
Our client's outdated system presented several challenges:	consilium1 architected and implemented a complete solution:	This solution delivered for our client in several ways:

PROBLEM

Our client's outdated system presented several challenges:

- **Outdated Operating System (OS).** Main operating system was outdated and would soon be entirely unsupported.

- **Outdated infrastructure.** Servers, switches, routers, desktops, firewalls, and storage systems were outdated throughout the company.

- **Need for increased performance, scalability, functionality, and flexibility.** Existing system was limited and was not built to expand with the company's needs.

SOLUTION

consilium1 architected and implemented a complete solution:

- **Updated OS.**

- **Created a virtualized environment, upgraded infrastructure and hardware, and consolidated equipment and technology throughout the organization.** Implementing best practices, the c1 team helped to build a total solution complete with a virtualized Storage Area Network (SAN) backup and storage system**.**

- **Implemented long term lifecycle management system.** After re-building the environment, the c1 team helped the client implement a system that would allow them to maintain and manage their technology.

RESULTS

This solution delivered for our client in several ways:

- **Updated systems and infrastructure** increased performance, security, resiliency, availability, and productivity throughout the organization.

- **Virtualization offered increased utilization of resources and vastly improved backup and recovery capabilities.**

- **Incremental cost savings.** New system immediately saved on maintenance costs and foundation offered the ability to save on future technology costs.

- **Scale and flexibility.** New system offered a solid foundation to grow as needs changed.