



COMNET COMMUNICATIONS

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ComNet's integrity, expertise and ability to turn challenges into profitable growth opportunities is the foundation for our reputation and success in a demanding and changing industry. Our dedication to customer service, our understanding of the most sophisticated technology and our attention to the slightest detail assures that our customers will always be connected to the future.

EDUCATION

CLIENT: Private Ivy League University

VALUE: \$1.8M+ Ongoing

PROJECT: New campus fiber optic and copper backbone systems installation.

A prominent university embarked on a \$1.8 million infrastructure upgrade to enhance its network capabilities by installing a new campus-wide fiber optic and copper backbone system. The objective was to support the university's growing connectivity demands while ensuring a seamless transition from the existing backbone.

Challenges

Detailed Survey in a complex Environment

- The existing backbone infrastructure was intricate, requiring a comprehensive survey to assess current conditions and plan the installation without disrupting ongoing operations.

Live Cut Over of a Mission-Critical IT Network

- The transition had to be executed with minimal downtime to avoid interruptions to academic and administrative functions, including online learning, research activities, and security systems.

Project Size and Tight Timeline

- The scale of the installation, coupled with a stringent deadline, posed challenges in allocating sufficient skilled labor while maintaining quality and safety standards.

Solutions

Comprehensive Network Backbone Design and Installation

- A meticulously planned fiber optic and copper backbone infrastructure was designed and deployed to ensure high-performance connectivity and future scalability.

Dedicated Workforce and Leadership

- A dedicated Site Foreman and an 18-technician crew were assigned to the project to ensure that all tasks were properly staffed and executed efficiently.

Strategic Collaboration and Scheduling

- Close coordination with the General Contractor (GC) and university stakeholders allowed for detailed scheduling and phased execution, minimizing disruption to campus operations.

Prioritizing Safety and Compliance

- The project employed OSHA and Confined Space certified technicians under the supervision of a Site Safety Manager, ensuring adherence to all safety regulations and protocols.

Results

- Successfully installed a robust and scalable campus-wide fiber and copper backbone system.
- Executed a seamless cutover with zero unexpected downtime.
- Met the project's timeline without compromising quality or safety.
- Enhanced the university's network capacity to support future technological advancements.

This project highlights the effectiveness of strategic planning, skilled labor allocation, and safety-conscious execution in delivering critical infrastructure upgrades within a university setting.

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