



CORNELL UNIVERSITY, ITHACA, NEW YORK

Network Connectivity Program (NCP)

Communications Infrastructure Upgrade

Project Description

The Network Connectivity Program (NCP)—formerly known as EzraNet—was a multi-million-dollar, three-year initiative to upgrade network infrastructure in 46 buildings on Cornell University’s Ithaca campus. The project brought Cornell University to a competitive level with peer universities by:

- Increasing data speeds to gigabit capabilities
- Providing building-wide wireless coverage
- Offering IP-based telephony
- Standardizing the cable plant within buildings

Through the NCP, 30 buildings were funded for upgrades to their wired and wireless infrastructures, and another 17 for wireless-only upgrades. Buildings were selected based on their existing wiring (CAT3), number of network faceplates, and network usage. Work began in July 2011 and concludes at the end of 2014.

Challenges

- Retrofit communications infrastructure in active, occupied research labs and office spaces without operational interruption.
- Coordinate and consult on special requirements and constraints of high-profile administrative spaces.
- Provide seamless service transition from legacy cable to new cable plant.
- Collaborate with the University to secure valuable program space.
- Propose creative standards-compliant solutions for new and reused Telecommunications Rooms TRs.
- Complete designs for 29 buildings in 18 months which included: libraries; biotechnology labs; occupied administrative offices; campus headquarters buildings; historically classified buildings, and; an art museum.

Statistics

Total Program Cost	\$ 20,000,000
Firm Responsibility Cost.	14,000,000
Completion Date	Dec. 2014

Project Contact

Please call 585.424.1952 for references or visit our website for more [project profiles](#).

ARCHI-TECHNOLOGY’S ROLE

Functions

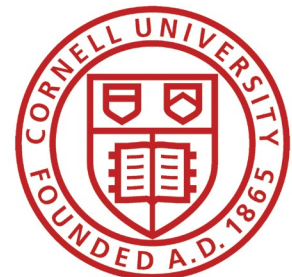
- Budgeting
- Strategic planning
- Design/construction management services

Systems Coordinated

- Interior Cable Plant
- Telecommunications Rooms and all associated backbone and horizontal cabling
- Voice and data systems
- New Telecommunications Rooms (TRs) included:
 - Electrical power upgrades
 - Access and environmental controls



Technology Consultants for the 4th Utility



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