

Technology Consulting for the life of your buildings.

Technology systems design services for Architectural Plan-Design projects



Archi-Technology
Technology Consultants LLC

Connecting People, Technology & Buildings

The collaborative approach to integrating technology systems into your projects



Innovative design. Client focus. Sustainable systems.

The same principles that drive many architectural firms also serve as operational cornerstones of Archi-Technology LLC. Serving western-central New York State, our independent technology consulting firm has been providing unbiased professional programming, planning and design services to Architects for more than 20 years.

We specialize in technology infrastructure from edge-of-property throughout a campus or building as well as IP-connected systems including Communications, Audio-Visual, Security and Clinical. Markets in which we have extensive planning, design, construction coordination and facilities management experience include K12, higher ed, healthcare and government.

Helping give your buildings life

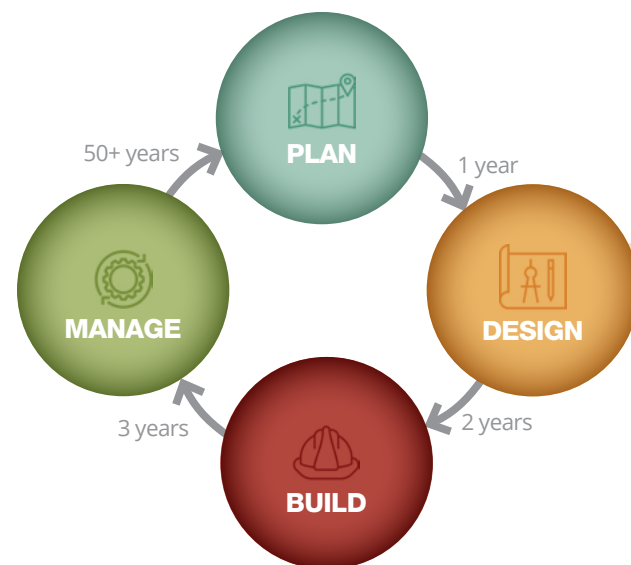
The systems that move data through buildings have become as important as their traditional MEP counterparts. The owner's needs for communications, instruction, patient health, security, and building automation all rely on the seamless integration of technology systems into the built environment.

The cost and complexity of technology infrastructure and interconnected IP-based systems now typically surpasses that of traditional MEP systems on a square-foot basis.

Archi-Technology's Registered Communications Distribution Designers (RCDDs) and other project team members bring an in-depth practical knowledge of these systems that save Architects time and money. We take a strategic project approach that provides accurate estimating, adherence to schedules, and a dramatic reduction in costly Change Orders.

As an independent consulting firm that doesn't profit from the sale of any systems, equipment or devices, both architectural clients and project owners can be assured that all our recommendations are based on sound strategies that meet client needs, not sales quotas.

We work as an extension of your team on an as-needed basis on every phase of your projects.



Our [plan-to-manage approach](#) takes a holistic view of the total life span of your building.

Technology system design that meet functional and aesthetic needs.

While the reliable flow of data throughout a building is a necessity, in most cases, the systems that support that function need to be invisible to the eye. This is true for both new construction and renovation projects, especially those with historic sensitivities.

While Archi-Technology offers professional consulting services for every phase of a building's life, here are our technology [Plan-Design services](#) of greatest interest to [Architects](#).

As part of the collaborative design process, we bring the most value to your project when brought in during early planning and programming to holistically integrate our efforts with yours.

Technology Project Programming

Like you, we take the time to discover, define and document the owner's needs that support related long-term strategic goals but as they relate to technology. From research and assessment to program planning, design and cost estimating, Archi-Technology focuses on the technology-related aspects of your project integrating its findings and designs into yours. Deliverables typically include:

- Comprehensive Technology Plans that provide 10-year project roadmaps with budgets and funding sources
- Communications Equipment Rooms (CERs) Master Plans by building, campus or client
- Facilitation of user-group meetings including scheduling, agendas, minutes and developing final reports
- Project narrative for all pertinent technology systems
- Site surveys and system reviews
- Documentation of existing technology systems
- Fixed and Movable Equipment Lists for technology or connectivity components
- Cost estimates for technology system requirements

Technology Systems Design

With more than 20 years experience in designing technology systems for educational, healthcare and municipal buildings, we bring an unbiased, vendor-agnostic approach to system design including product selection.

Our Technology (T-Series) drawings provide specificity about the exact type and locations of system components and connections which greatly facilitates construction and maintenance after the building is occupied. Deliverables typically include:

- Schematic Design Drawings and Documents
- Dedicated set of T-Series drawings for Technology Systems including plan view, elevations, and details showing communications requirements
- Updated Cost Projections at each submission
- Project Specifications
- Bid forms specific to the communications work will also be prepared.
- One set of complete construction documents including specifications and drawings

Archi-Technology also provides related [Technology Construction Coordination services](#) including Technology Construction Management, Bidding and Procurement, and Project Closeout documentation. Visit [Archi-Technology.com](#) for details. See the back page for specific technology systems of expertise as well as select project profiles.

Call **585.286.4500** today for a free, no-obligation consultation.

Specialists in the technology systems that move data through buildings

Archi-Technology specializes in the physical infrastructure that moves data through buildings and campuses, as well as the facility-based, IP-connected technology systems they connect.

Technology Infrastructure Pathways, Spaces and Structured Cabling, and Communication Equipment Rooms (CERs)

Communication Systems Voice & Data Systems, Peer-to-Peer Communications, and Real-Time Location Systems (RTLS)

Distributed Audio-Video Systems Public Address (PA), Cable Television (CATV) and Synchronized Clocks





Integrated Audio-Video Systems Patient Entertainment/Education Systems, Instructional Technology (projectors, whiteboards), Conference Rooms and Auditoriums

Security Systems Video Surveillance, Access Control, Intrusion Alarm and Patient Elopement Protection

Clinical Systems Patient Monitoring, Nurse Call, Operating Room (OR) and Sterilization Process Department Workflows, and OR Technology Systems

Experience in the markets your firm serves

Here are select projects in which Arch-Technology has taken the lead technology role.

MARKET	PROJECT
 K12	Syracuse City School District, Comprehensive Technology Plan (CTP). Provided Technology Condition Surveys of 38 district buildings. Developed CTP with a total 10-year budget of \$40M. Developed Technology Systems Design Standards for Division 27 (Communications) and 28 (Security) Systems as well as Smart School Investment Plans (SSIP) for (6) projects totaling more than \$11.5M to date
 Higher Ed	Cornell University, Network Connectivity Program: Network Infrastructure Upgrade A \$14M, 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; providing building-wide wireless coverage, offering IP-based telephony, and standardizing the cable plant within buildings
 Healthcare	University of Rochester Medical Center, Golisano Children's Hospital: Communications, AV, Security and Clinical Systems. This \$145 million new building project has eight floors and approximately 45,000 sq.-ft. of space. It features 52 private, patient rooms, a greatly expanded Neonatal Intensive Care Unit, and various spaces designed to meet the needs of children and their families. Firm responsibility cost: \$6.5M.
 Municipal	Genesee Valley Regional Transit Service RTS Transit Center: Communications & AV Systems. This 87,000 sq. ft. Center provides a consolidated indoor waiting space for an estimated 20,000 riders per day transferring to seven counties. The new-build facility includes 26 indoor and two outdoor gates to accommodate up to 100 buses/hour. Designed to be environmentally friendly with energy-saving LED interior lighting and AV display boards. Firm responsibility cost: \$2.2M.

Project profiles available by request or visit Archi-Technology.com/Projects.aspx

Solve your biggest technology design challenges

Call **585.286.4500** today for architectural design firm and owner references as well as a free, no-obligation consultation to discuss your firm's technology systems design issues.



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