

Broadband Project Consulting

Broadband connections for telecommunications, data, and Internet access play an important role in stimulating business activity, supporting education, improving government services, and enhancing the quality of life for all citizens. NYSTEC can help you reap these benefits by assisting your community with analysis, planning and implementation of broadband technologies.

As part of the federal stimulus package that became law in February 2009, a total of \$7.2 billion has been allocated to telecommunications-related programs. Most of this money is designated for grants and loans to promote broadband access in rural, unserved and underserved areas, and to ensure that strategic institutions that are likely to create jobs or provide significant public benefit have broadband connections. NYSTEC can help you compete for these monies, first by conducting detailed analysis of broadband market demand and requirements in your community, and then by helping you develop a broadband technical design. In performing the demand analysis, we will conform to standards used by private investors, New York State, and federal agencies. After helping you develop a technical design for your broadband infrastructure and services, we will assist you in applying for grants and implementing the broadband technologies that best meet your local needs.



Market Demand Analysis

NYSTEC's Market Demand Analysis typically covers residents and organizations, including businesses, hospitals, schools, libraries and government agencies. As part of this analysis, NYSTEC will:

- Identify all existing broadband services in your area, including infrastructure, capacity, service providers, and penetration rates;
- Identify existing fiber-optic lines, their ownership, and their capacity;

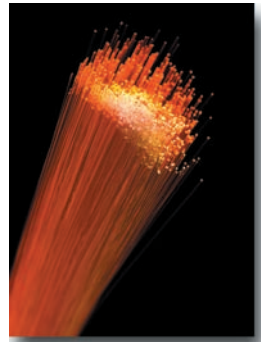


- Identify current expenditures across all organizations for telephone, video, and Internet, both wireline and wireless;
- Identify critical gaps in broadband service and develop strategies for filling gaps; and
- Analyze existing and potential opportunities for collaboration among all sectors (public, private, and municipal) to define strategies that will help your community achieve the greatest benefit from a broadband initiative.

Conceptual Technical Design

NYSTEC can assist you in developing a conceptual technical design for your broadband network. The design would include:

- An alternative technologies assessment;
- The requirements for an expanded broadband infrastructure;
- An assessment of opportunities and challenges to expanding broadband service; and
- A proposed concept for a broadband communications system, including the extent of fiber backbone, the location of your Network Operations Center (NOC), the location of Points of Presence (POP), last-mile solutions for wireline and wireless, project scheduling, and implementation.

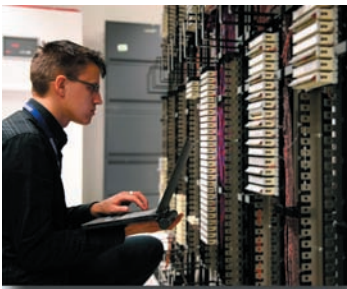


Grants Applications Assistance

Once your market analysis and conceptual broadband network designs are completed, NYSTEC will assist you with planning and developing grant applications. Depending on the demands of any particular project, we will call upon specialists from each of our five key practice areas: communications, networks, technology acquisition, information security, and IT strategy.

NYSTEC Broadband Clients

NYSTEC has assisted various government entities in developing cutting-edge, secure broadband networks. We have a unique blend of technical experience and knowledge of government on all levels. Projects of significant relevance have included:



- Development Authority of the North Country (DANC) Fiber-Optic Project
- Town and Village of Canton, Wireless Network Assessment
- SUNY College at Plattsburgh, Business Plan for a Fiber-Optic Network
- SUNY Canton, Network Assessment
- New York Power Authority, Wide Area Network Procurement

Our Complete Package of Services

NYSTEC helps government agencies successfully plan and manage the acquisition and implementation of technology. NYSTEC engineers bring value to government clients in five key practice areas — communications, networks, technology acquisition, IT strategy, and information security — all of which are vital to broadband implementation.

Bringing Clarity to Complex Technology Projects



Your Independent Technology Advisor

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