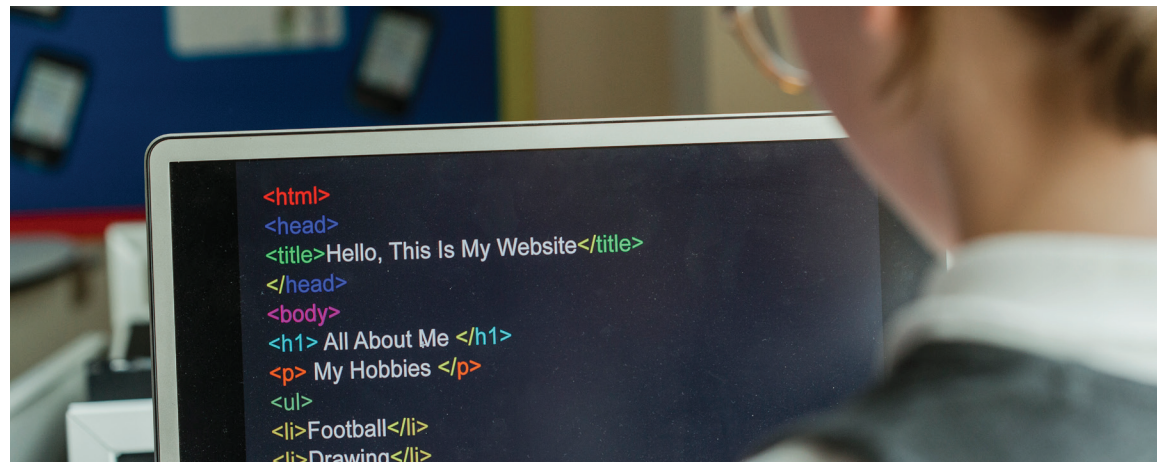




# Taking a Town into the Digital Era

Under the direction of the town's Chief Information Officer Michael Esolda, the Woodbridge town government and school district made the decision to jointly finance and share what became a 45-mile fiber optic network.

JCT Solutions has worked closely with Woodbridge from the very outset providing strategic consulting, implementation and ongoing support, including 24/7/365 service from the JCT Solutions network operations center.



## *JCT helps Woodbridge implement fiber network supporting VoIP, mobile radio communications, 9-1-1 and video surveillance*

With its summer outdoor concerts and farmer's market, Woodbridge, NJ has all the trappings of a small town. But a population of 100,000 enables Woodbridge to combine a neighborly, community feeling with big city amenities.

Today, that includes a wide range of digital services that run over the town's 45-mile fiber optic network, implemented with the support of JCT Solutions.

### **Digital Services for the Schools and Government**

In the morning when the town's children head to classes, they travel on school buses equipped with the latest radio communications.

Inside the town's two dozen schools, digital whiteboards have replaced blackboards, classrooms are wireless and there's plenty of bandwidth to keep tens of thousands of devices online simultaneously.

The town government has an updated voice-over-IP system. Emergency calls are handled by an upgraded 9-1-1 system. Woodbridge residents can pay their taxes online and consult a mobile app to keep track of community events, garbage pickups and local bus schedules.

Just as important, Woodbridge was able to implement these and other digital capabilities that will deliver benefits far into the future, without overburdening today's taxpayers.

## JCT Expertise & Support

*"JCT has been a great partner for us. They have provided the critical systems integration expertise we needed and also the around-the-clock support that is so important to our commitment to fully serving the needs of our citizens."*

**Michael Esolda**  
CIO, Woodbridge

## Digital Learning Initiatives

At the core of the Woodbridge solution is the fiber optic network delivering bandwidth to all 25 schools and 66 municipal buildings.

Having virtually unlimited bandwidth over the fiber optic network has enabled the schools to bring instruction into the digital era with a range of initiatives for supporting personalized learning and meeting computer-based testing requirements such as PARCC (Partnership for Assessment and Readiness for College and Careers) and Common Core.

The infrastructure also supports comprehensive security capabilities including video surveillance and access control.

## Savings and Financing

Having its own fiber network enabled Woodbridge to eliminate a wide range of costly carrier services and plow the savings back into more infrastructure.

A modern VoIP phone system, refreshes to older equipment in public works and the library, a major update to the town's 9-1-1 system and backup for the town's Internet connection were all funded in whole or in part through savings.

Financing for the effort also included a \$1 million bond floated by the town, free telecommunications equipment from New Jersey Bell (through a program called "Access New Jersey") and funding from a subsidiary of FedEx that had recently moved into town and agreed to provide monies in lieu of taxes for playing fields, running tracks, field houses, and other community use projects.

Because Woodbridge's networks are active 24/7/365, the town also qualified for E-Rate funding from the government.

Esolda, who has overseen the project from the start, says much of the success of the project comes from it being a team effort. "We've been blessed with leadership in both the town and the school district that are really forward thinking, as well as great collaboration with people throughout the town and our partners like JCT Solutions. We are very lucky. Not many towns have a community that works collectively together in this manner."

## Learn More

To discover how we at JCT Solutions can help your community implement next-generation digital services, email [sales@jctnj.com](mailto:sales@jctnj.com) or call 800.437.9828.



**322 Belleville Turnpike North Arlington, NJ 07031**  
**800.437.9828 [www.jctnj.com](http://www.jctnj.com)**