

Selected Municipal Projects



Township of Bridgewater, NJ

MT was chosen to directly assist Bridgewater Township with the design and selection of voice and data systems for the expansion of its existing facility. **MT** created standards for the Township and coordinated with the construction trades to ensure the proper installation of the new Court and Police facilities systems during the renovation of the existing building.

Middlesex Borough Police Department

MT provided services that included the design, planning and coordination of IT Infrastructure, Voice, Data & Video cabling systems to support the new Phone and Network systems. This project included Audio/visual systems for the new Court Room facility and training rooms, as well as the Police Dispatch Center.

MT also designed the Security Systems to include coordination of access procedures with the various technology systems. These systems included Access Control, Alarm Monitoring, CCTV and Digital Recording, as well as the Security Command Console. **MT** also designed the re-use of the existing Radio System to be expanded to the new Police facility.

Princeton Township, NJ

MT provided drawings and specifications that encompassed all of the Township facilities, Police Department and Public Works. This included a retrofit of new wired and wireless technologies to enhance the voice productivity in the Township's various departments, along with the Community Pool and other remote buildings.

MT is a Princeton, New Jersey based Technology Consulting Design firm that provides a comprehensive range of services by Credentialed Professionals (CPP, CSC, VAM-CF, RCDD, MCSE, CCNA).

Collectively, the **MT** staff has over 240 years of combined experience. Our areas of expertise include: Security Systems, Telecommunications Infrastructure (Wired and Wireless), Network and Phone System Design, Audio-Visual Systems and Acoustics. **MT** provides fully coordinated drawings and specifications for new construction, retrofits, modifications and additions.

MT works directly for School Districts, Higher Education, and Municipal clients as well as team members on projects with Architectural Firms, Professional Engineering Firms, Construction Managers and Developers

To find out more about what **MT can do for your district, please contact us:**

Mark R. Kretchmer
103 Carnegie Center, Suite 300
Princeton, NJ 08540
Phone: 609-919-6355
Fax: 866-408-4936 (Toll Free)
mark@metropolitantech.com



**Technology
Security
Audio/Visual
Carrier/Telco Audits**

www.metropolitantech.com

**Technology
Design
Consultants**

All **MT Security Professionals Are
Currently Infragard Members
www.infragard.org**

Selected Municipal Projects

Woodbridge Township, NJ

MT assembled and coordinated a team of Engineers and Architects to provide Woodbridge Township, New Jersey's fifth largest municipality, a solution to expand a working data center that handles record keeping, all Police 911 communications, and hosts the School District's servers. **MT** designed the infrastructure and provided Project Management to meet the logistical challenge of expanding this live 24/7 mission-critical data facility in a technology-rich environment.

MT is the right-of-way advisor for Woodbridge Township on all Carrier build outs as well as the Township's Cellular & Wireless Carriers. **MT's** role is to evaluate all fiber and wireless build-outs and advise them on the technical concerns about the vendor's proposed construction. This is a continuous on-call contract where **MT** bills only for the time used.

To date, **MT** has been able to help Woodbridge succeed to meet the ever growing Telecom demands of the Township.

City of Philadelphia Police Department Video Security Command Center

MT was selected to design the technology infrastructure for this high profile, mission-critical Law Enforcement facility technology project. Working with the City's Architect, the Client and the various vendors on this project, **MT** provided the technology design to ensure coordination of all the systems information. No other descriptions or information can be given due to the sensitive nature of this facility.

Flexible, Forward Looking IT Solutions



Information technology is changing at the speed of light, what seems to be cutting edge now could be old news in just a few years.

Information Technologies includes the areas of telecommunications, data, voice, cable infrastructure and the various network technologies. Telecommunications services include the design of wired and wireless voice and data systems, local/wide area networks (LAN/ WAN), CATV systems, data centers, satellite, wireless mesh, free space optics and microwave technologies.

Every construction project faces challenges regarding technology. These include the manner in which technology is integrated into the project, how technology will be managed over time, and how the infrastructure meets the ever changing nature of technology. All of our designs are standards based and geared towards the most cost effective and flexible solutions designed to grow with the client's needs.

Information Technology Services

- | | |
|------------------------|------------------------|
| Wide Area Networks | Local Area Networks |
| Master Planning | Wireless Systems |
| Telecom Infrastructure | Private Fiber Networks |
| Cabling Infrastructure | Business Continuity |
| Voice & Data Systems | Data Centers |
| Control Room Design | Systems Commissioning |



Professional Security Design



New Jersey Municipalities have no higher priority than keeping residents and employees safe, yet tight budgets and tough new government standards pose extraordinary challenges. From CCTV, Access Control and intrusion detection to exterior lighting, we have the resources to handle all of your security needs.

Security services are crucial in today's environment. Protecting our clients' assets, and employees through design of surveillance, emergency notification and panic procedures is our specialty. Our approach to designing security systems is both comprehensive and holistic, taking into account each Municipalities culture and individual security needs.

Our integrated approach draws on our expertise in multiple engineering specialties that are required to design municipal security systems today. We are thoroughly versed in the post 9/11 standards established by the U.S. Department of Homeland Security and by New Jersey State Agencies.

Security Services

- | | |
|-----------------------------|-----------------------|
| System Commissioning | Surveillance Systems |
| Continuity Planning | Threat Assessments |
| Integration with BMS | Card Access Systems |
| Access Control Systems | Preparedness Planning |
| Closed-Circuit TV Systems | Policy and Procedures |
| Intrusion Detection Systems | Systems Analysis |



Cost Saving Telco Audits



Our associates at **Metropolitan Technologies** have many years of auditing experience. We assist our clients in saving substantial money. This helps Municipalities to do more with less. We assist in the savings recovery for the client on all Voice & Data Telephony circuits. **MT** is neutral and is not an agent or a reseller. We save Municipal jobs and programs with recovered savings.

Carrier / Telco Audit Services

- | | |
|-----------------------------|----------------------|
| Full Audit of Voice lines | Flat Fee or % Audits |
| Full Audit of Data circuits | VOIP Design |
| Full System Review | Back End Savings |
| Circuit Inventory Control | Telco Management |

Audio - Visual

Audio & Video systems play a crucial role in law enforcement. Whether a Court Room's requirements call for sound design, noise mitigation, video projectors, interactive boards, or other AV solutions. **MT** can assess the requirements design the system and develop bid-ready drawings and specifications tailored to meet our client's needs.

Audio & Video Services

- | | |
|--------------------------|--------------------------|
| Sound System Design | Display Technologies |
| Theater Systems | TV Courtroom Design |
| Digital Media Delivery | Digital Editing Systems |
| Computer Training Labs | Remote Control Systems |
| Multi-Media Presentation | Graphical User Interface |



A full service Technology Consulting company with offices in Princeton, Philadelphia, Dallas Miami and New York City.

- Decades of providing creative, cost-effective solutions for Municipalities.
- Pre-qualified by the New Jersey Division of Property Management and Construction (DPMC).

Project Services:

- Project Management
- Systems Analysis & Design
- Specifications and Documentation
- Site Inspections
- Field Measurements
- Bid Review
- Construction Administration
- Post-Construction Testing

Infrastructure Testing:

- Verification & Certification
- Fiber Optic-OTDR/Power Meter
- CATV Balancing
- Category 6 Field Verification
- Wireless Signal Strength
- Access Points

Systems Commissioning:

- Security Systems
- (CCTV, SMS, Access Control, IDS)
- Cabling Infrastructure
- Network Systems (LAN/WAN/MAN)
- Audio/Visual (all display systems)