



From passenger information systems to optical network solutions, SIGNET is driving innovation for transit and rail system mission critical technology infrastructure. That's why we've been trusted to lead the systems integration of high-profile, large-scale transportation projects for both federal and state agencies.

Our team combines its passion for technology with an innovative, proactive and agile approach towards developing integrated solutions.

Our transportation program management experts specialize in the application and implementation of strategic technology based integrated solutions. Embracing the concept of open systems architecture, we incorporate maintainability, reliability and scalability into each system integration aspect to maximize our clients' infrastructure investments.

As an ISO 9001:2015 certified organization, SIGNET is distinguished as a leader in providing best-in-class solutions with the end results measured by a rigorous QMS process.

### Applications

SIGNET transportation experts can help solve critical infrastructure technology

challenges, and design, engineer and manage transportation system technology infrastructure programs.

### Features

Our unique strategy lies in the application of rigorous system engineering principles supported by extensive hands-on experience and state-of-the-art technology.

### Services

We offer system design, engineering and integration of:

- Fiber optic backbone networks
- Wide Area and Local Area Networking (WAN and LAN)
- Operations and control centers
- Network management systems
- Wireless communications
- Engineered radio communications
- Supervisory Control and Data Acquisition – (SCADA)
- Power systems

- Public address/passenger information systems
- Train arrival announcement systems
- VoIP & specialized application telephone and systems
- Passenger emergency intercom/ TPSS Blue Light systems
- Closed circuit television
- Access control and security systems
- Tunnel Portal Monitoring Systems (TPMS)
- Fire alarm systems
- Fare collection systems
- Digital logging and recording systems

We provide design engineering, project management, QA/QC, assembly, commissioning, testing, training, warranty/post-warranty and maintenance/support services for each of the above-listed technologies.

## Our Work

Recent examples include:

### Positive Train Control

SIGNET is serving as the local Communications Systems Integrator on a multi-million-dollar project for the Massachusetts Bay Transportation Authority (MBTA). We are responsible for the design, engineering, and implementation of a 400 route-mile Optical Ground Based Network (GBN), in support of a Positive Train Control signaling overlay system furnished by Ansaldo STS as the Prime Contractor.

The optical network furnished by SIGNET provides fault tolerant (99.999% availability) communications connectivity between core offices and Wayside signaling equipment located at more than 225 locations (nodes).

### Public Address/Visual Information Systems

SIGNET is designing, engineering and integrating the infrastructure of a new digital public address and train arrival announcement system. Additionally, SIGNET has updated the Penta PA/VIS System with Train Arrival Prediction. The system will be deployed across the entire Metro North Commuter Railroad system – encompassing over 110 Passenger Stations including Grand Central Station.

SIGNET and its professional team members have worked with many of our country's largest transportation agencies at various locations including:

- United States Department of Transportation – MA
- United States Border Patrol – ME
- Massachusetts Department of Transportation –MA
- Rhode Island Turnpike and Bridge Authority – RI
- Logan International Airport – MA
- Manchester-Boston Regional Airport – NH
- Bangor International Airport – ME
- Nantucket Airport – MA
- Dallas Fort Worth International Airport - TX
- Massachusetts Bay Transportation Authority (MBTA) - MA
- Massachusetts Bay Commuter Rail - MA
- Amtrak – MA
- New York City Transit Authority – New York
- Long Island Railroad – New York
- Metro-North Railroad – New York and Connecticut
- Port Authority Trans Hudson – New York and New Jersey
- LA Metro – CA
- Dallas Area Rapid Transit – TX
- Tri-Met – OR
- Metro-Link – MO
- New Jersey Transit – NJ
- Southern New Jersey Rail Transit - NJ
- Maryland Transportation Authority – MD
- Port Authority Allegheny County – PA
- Tren Urbano – Puerto Rico

## Who is SIGNET?

Founded in 1974, SIGNET Electronic Systems Inc. (SIGNET) has grown from a one-person installation services contractor to a 160-person complete technology solutions provider. From design, engineering and installation of a fully independent critical technology system to remote monitoring services, SIGNET delivers comprehensive technology expertise in the areas of life safety, communications, security, healthcare communications, audio visual, wireless connectivity, mission critical technologies program management and service. SIGNET Remote Smart is a next generation network operations center (NOC) located at SIGNET's Norwell, Massachusetts, headquarters. SIGNET is one of a select few ISO 9001-certified technology solution providers with a dedicated network operations center committed to mission critical solutions.

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