Intelligent NETworks®

Modules Currently Available

Base Modules

- Map
- System Administration & Security (SAS)

Device Modules

- Vehicle Detection System (VDS)
- Dynamic Message Sign (DMS)
- Video/Closed-Circuit Television (CCTV)
- Highway Advisory Radio (HAR)
- Automatic Vehicle Location (AVL)
- Environmental Sensor System (ESS)
- Ramp Metering System (RMS)
- Traffic Signal System (TSS)
- Tunnel
- Snow Plow
- Weigh-in-Motion (WIM)
- Parking
- Safety Service Patrol (SSP)

Intelligent Management Modules

- Active Traffic Management (ATM)
- Automatic Incident Detection (AID)
- Event Management (EM)
- Decision Support System (DSS)/ Response Plans
- Predictive
- Travel Times (TT)
- Data Analytics (DA)
- Computer-Aided Dispatch (CAD)

External Modules

- Advanced Traveler Information System (ATIS)
- Work Zone
- Toll
- Smartphone
- Center-to-Center (C2C)

PARSONS

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Optimize. Integrate. Unify.

Intelligent NETworks®

Advanced Transportation Management System

Parsons PLUS envision more ᴿᴹ

The Flexibility You Need.
The Power You Demand.

iNET delivers industry-leading transportation management solutions through 28 independent functional modules (see back page).

Key Benefits

- **Configurable and Customizable** – Mix and match individual modules; modify to meet unique local requirements; choose multilingual and local language support.

- **Cost Effective** – Enterprise license model; functional on a dedicated server or in a virtualized environment with redundancy; operational on a single inexpensive PC-based server.

- **Platform Independent** – Runs on any hardware platform and operating system that supports Java Runtime; no commercial off-the-shelf software required other than a database management system.

- **Open Architecture** – Maximizes interoperability with other technologies, including center-to-center interfaces; supports common ITS field devices using standard NTCIP/UTMC or legacy protocols; minimizes risk of obsolescence.

- **Highly Accessible** – A true thin client, web-based application built for performance over the Internet; available using a standard web browser from any location with secure Internet or local network access.

- **Fault Tolerant/High Availability** – Designed for full redundant failover and operations (99.9% uptime); can be deployed in a virtualized clustered server environment (as recommended).

Intelligent NETworks®

Advanced Transportation Management System

The Intelligent NETworks® (iNET) Advanced Transportation Management System (ATMS) is Parsons' industry-leading software used to improve the management, efficiency, effectiveness, and safety of your transportation network. Whether it's a freeway, highway, toll road, transit route, tunnel, arterial road, or other transportation system, iNET applies state-of-the-art operational solutions to improve these facilities.

Key Capabilities

- Active Traffic Management (ATM)
  - Variable Speed Limits
  - Dynamic Lane Management
  - Hard Shoulder Running
  - Adaptive Ramp Metering
  - Reversible Lane and Junction Control
- Integrated Corridor Management
- Big Data Analytics
- Software-as-a-Service (SaaS) Using Cloud Computing
- Smart Cities
- Connected Vehicle Mobility Applications
- Data Fusion
- Advanced Decision Support System (DSS)
- Tolling Systems Integration
- Adaptive Traffic Signal Control and Ramp Metering
- Traffic Prediction
- Integration with Online Microsimulation Tools
- Vehicle Tracking and Dispatch