

iNET® Modules Currently Available



Base Modules

- Maps (GIS)
- System Administration and Security (SAS)

Device Control and System Interface Modules

- Internet of Things (IoT)
- Environmental Sensor Station (ESS)
- Safety Service Patrol (SSP)
- Vehicle Detection System (VDS)/ Congestion Monitoring
- Ramp Metering System (RMS)
- Weigh-in-Motion (WIM)
- Dynamic Message Sign (DMS)
- Traffic Signal System (TSS)
- Intelligent Parking (PARK)
- Video/Closed-Circuit Television (CCTV)
- Connected and Autonomous Vehicles (CAV)
- Computer-Aided Dispatch (CAD)
- Highway Advisory Radio (HAR)
- Tunnel/SCADA (TUN)
- Winter Maintenance (SNOW)
- Automatic Vehicle Location (AVL)

Advanced Management Modules

- Active Traffic Management (ATM)
- Predictive (PRED)
- Border Crossing Management (BDR)
- Automatic Incident Detection (AID)
- Decision Support System (DSS)
- Asset Management System (AMS)
- Event Management (EM)
- Data Analytics Platform (DAP)
- Congestion Signing/ Travel Times (TT)
- Video Analytics (VA)

External System Modules

- Center-to-Center (C2C)
- Mobile (MOB)
- Toll System (TOLL)
- Work Zone Traffic Management (WZ)
- Advanced Traveler Information System (ATIS)
- Integrated Data Environment (IDE)

+ SAS Module Add-on

- Sidekick

+ TSS Module Add-ons

- Intelligent Responsive (IR)
- Intelligent Intersections (ATSPM)
- Signal Priority (SIGP)

+ AID Module Add-on

- Traffic Anomaly Detection

iNET®

SMART MOBILITY PLATFORM

Optimized For Any Road Or Mode



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Intelligent NETWORKS® (iNET®), our industry-leading transportation management platform, provides a single pane of glass to manage all aspects of transportation operations, improving the management, efficiency, safety, and livability of our communities.

iNET® is scalable to meet our clients where they are on their journey, regardless of the size of their operations. The system seamlessly integrates and manages thousands of IoT and ITS devices, harnesses the power of AI to predict adverse conditions, and provides an intuitive management interface for informed decision-making.

THE
FLEXIBILITY
YOU NEED
WITH THE POWER
YOU DEMAND

Enabling Smarter Mobility

Whether highway, toll road, transit route, tunnel, arterial road, seaport, spaceport, airport or other—iNET® applies state-of-the-art operational solutions to optimize traffic flow, reduce congestion, improve safety, and reduce negative environmental impacts, fostering sustainable and eco-friendly communities. Notable platform functions include:

- Unified ITS command and control
- Streamlined event management for incidents, construction, large-scale sporting and special events
- AI-based decision support, traffic prediction, and traffic response
- Integrated corridor management
- C-V2x and connected vehicle capabilities
- Active traffic management
- Asset management
- Intelligent parking solutions

Extensive Device Support – iNET® interfaces with thousands of ITS and Smart City IoT sensors, including the following:

- CCTV and video analytics cameras
- Dynamic Message Signs, Variable Speed Limits, and Lane Use Control Signals
- Traffic Detectors (Radar, Bluetooth, video, loops, and more)
- Ramp Meters and Smart Gates
- Traffic Signals
- GPS/Vehicle Locators
- Tunnel and SCADA Devices
- Air-quality monitoring systems
- Smart Lighting sensors and infrastructure monitoring systems
- Alternative Fuel/Charging Stations

Integrated Data Environment – iNET®'s integrated Data Hub and Data Mart ingest, standardize, store, and share information with users, stakeholders, and third-party application developers, using industry-standard formats and REST APIs.

ITS and Infrastructure Asset Management – The Asset Guardian module provides an integrated solution for managing ITS and infrastructure assets. Utilizing image AI, it automatically detects roadway defects such as pavement issues and guardrail damage. It integrates with iNET® to create and track trouble tickets for ITS equipment and manages work orders to completion. Asset Guardian streamlines operations and maintenance, enhancing agency efficiency.

Key Benefits

Customizable and Configurable – Combine and customize individual modules and effortlessly configure self-service parameters to achieve operational goals. With robust multi-language and localization support, our solution is designed to empower our international clients.

Cost-Effective – Flexible pricing models are available, including scalable Enterprise and SaaS options. Furthermore, our deployment models support cloud-based platforms (Microsoft Azure, AWS, GCP), on-premises, private cloud, or hybrid architectures.

AI-Powered – Harness the power of AI to streamline operations through iNET® Sidekick, a virtual assistant, and advanced capabilities like traffic anomaly detection, traffic prediction, and AI-based video detection.

Secure and Resilient – Conforms with industry standard security baselines for secure deployments, resilient against cyber attacks. The solution offers full role-based access control, single sign-on, and is designed to meet mission critical operations, achieving over 99.99% availability across cloud, on-premises and hybrid deployments.

Ease of Integration – Adheres to industry standards, ensuring compatibility with various technologies via interfaces such as Center-to-Center, TMDD, NTCIP/UTMC and other legacy protocols. Robust data consolidation and sharing solution available as part of the Integrated Data Environment, empowering agency collaboration.

Accessible – A modern, responsive web-based application designed for optimal online performance in complex networking environments. It aligns with web accessibility standards to promote an inclusive environment for traffic and mobility operations.



iNET® is an award-winning transportation management platform that caters to various industry use cases through its modular and scalable capabilities.



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