



Telvent SmartMobility™ Road Suite

Keep Your Traffic Moving

It all comes down to the roads. The world's roads represent the one common element that ties all modes of transportation together. People and goods traveling by ground, air, rail or water depend on our road systems for part of almost every journey. Because transportation infrastructure cannot be expanded as quickly as traffic is growing, making effective and efficient use of roadways is more important than ever before.

With 40 years of experience in creating, deploying and supporting complex transportation management solutions in Europe, North and South America and the Middle East, Telvent offers intelligent transportation systems (ITS) successfully proven in some of the globe's most complex and congested markets.

The Telvent SmartMobility Road Suite offers an array of solutions to simplify mobility management. Our state-of-the-art systems provide real-time, secure and cost-effective solutions to streamline road operations and enterprise management, increase customer satisfaction, protect the environment and enhance road safety.

One Product Suite, Eight Independent Solutions

Each module in the Telvent SmartMobility Road Suite comes complete with a broad collection of sub-modules to meet your needs. Choose any combination of modules and sub-modules and snap them together for a powerful, right-sized combination.

- **Telvent SmartMobility Traffic** — manages urban traffic and freeways, allowing operators to monitor and control transportation assets, reduce congestion, increase mobility and improve air quality. Offers the real-time data operators need to generate a fast, coordinated response to current traffic conditions.
- **Telvent SmartMobility Tolling** — provides smooth traffic flow and accurate road and bridge toll collections. Quickly and efficiently handles dispute resolution, incidents and client relations. A complete management platform continually runs diagnostics on your entire tolling system to optimize the user experience for drivers and operators and the results for facility owners.
- **Telvent SmartMobility Tunnel & Bridge** — uses the most advanced solution available for managing traffic at these critical junctures. Based on Telvent's own supervisory control and data acquisition (SCADA) technology, the software gives operators a comprehensive set of tools to manage and secure tunnel

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and bridge sites. The system streamlines and simplifies traffic management while increasing safety and security.

- **Telvent SmartMobility Traveler Information** — provides real-time information efficiently and cost-effectively to keep travelers safe, comfortable and on time. Enables multiple agencies to easily gather, integrate and share vital information with each other. The system constantly collects feeds from many sources, summarizing them to provide data how and when needed.
- **Telvent SmartMobility Enforcement** — reduces violations and improves safety to allow you to work with limited personnel and budgets. Automates violation detection and processing, reducing time spent on routine tasks and allowing officers to focus on crucial responsibilities like emergency response and driver assistance.
- **Telvent SmartMobility Bus** — provides an advanced, end-to-end solution designed to efficiently manage any bus-based transportation service. System-wide information flows in constantly to support decisions at every level: bus, station, garage, central office and fare integration. Maintains high fare collection accuracy and customer satisfaction, especially when integrated with park and ride lots, trains, trams, light rail, trolleys, taxis and other bus lines — encouraging greater use of all as customers gain the convenience of fewer transactions and tickets. As an option, you can include a bus signal priority sub-module, an adaptive control system that gives your buses an extra advantage as they move through traffic — buses typically pass right through as intersecting traffic is stopped



- **Telvent SmartMobility Parking** — streamlines the parking management process to help make you a parking vendor of choice, whether you manage a single surface lot or hundreds of ramps. Integrate fare management and control of park-and-ride facilities to increase usage. Use automated guidance systems to point drivers to available spaces. Moving cars quickly off the street reduces traffic volume, pollution and, most importantly, users' — and your — stress.

Important Qualities in Every Solution

The Telvent SmartMobility Road Suite consolidates road systems management into one powerful and flexible platform for optimal operational efficiency. You choose what you most need to know, and the system analyzes a wealth of up-to-the-minute information to provide the answers you need. With better information at your

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fingertips, you'll make better transportation management decisions every day.

Some of the common characteristics running through every module are:

- **Flexibility** — Install a comprehensive solution or a subset of features. Each module is developed with an open architecture using common standards to simplify tailoring the end product to your unique needs. Implement everything at once or stage adoption of new features as time and budget allow.
- **Integration** — Each component of the SmartMobility line integrates completely with every other part as well as with other service providers, modes of travel and external data sources.
- **Scalability** — Telvent SmartMobility solutions meet the needs of both small companies and large enterprises and easily scale to provide the capacity needed no matter how big or fast you grow.
- **User-friendly Interface** — All solutions offer familiar Web-based interface screens allowing new users to quickly come up to speed and simplifying day-to-day use.
- **Compatibility** — Equipment from most manufacturers is running on a Telvent SmartMobility implementation somewhere. Our compatible systems allow you to protect your existing investments and adopt new technologies as needed.
- **Security** — Multi-dimensional security runs throughout our systems. Protection is assured with fully encrypted data passing through any transmission medium and

with digital signatures where needed. The system prevents downtime and data loss with redundant hardware that rigorously confirms each transaction is safely sent. You gain further protection from advanced fraud detection algorithms which scan constantly and alert you to anomalies.

The Ideal Road Management Solutions

Managing ever-changing and rapidly growing road transportation can be a daunting challenge. To meet that challenge, progressive leaders turn to the Telvent SmartMobility Road Suite. No matter which portion of the world's vital transportation arteries you manage, solutions from the Telvent SmartMobility Road Suite simplify the job.

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