



## Telvent SmartMobility™ Suite

### Rethinking Transportation Management

The transportation systems on our planet move the world's citizens 23 billion kilometers per year, a figure projected to increase to 105 billion kilometers by 2050. These same systems also bear the weight of worldwide freight shipments that will increase by 60 percent by 2030.

Whether your system is local, national or international, you face the enormous challenge of managing infrastructure that simply cannot expand rapidly enough to meet insatiable transportation demand. You must meet that demand with limited budget resources. You must do so while improving security, maintaining safety and minimizing environmental impact.

To help you with this herculean task, Telvent offers SmartMobility, an integrated suite of solutions that represents entirely new thinking in advanced intelligent infrastructure management for road, rail and maritime environments. We offer 40 years of experience in delivering innovative transportation management solutions in Europe, North and South America, Asia-Pacific and the Middle East. We offer the expertise gained through scores of successful

installations in some of the most complex and congested markets in the world.

The expertise we've built is infused throughout the Telvent SmartMobility Suite, which includes inter-related, application-specific modules that can be installed either as a full suite solution or as individual application upgrades to meet your unique needs.



#### Telvent SmartMobility Road Suite

Those managing urban and suburban street systems as well as national highway systems are in the driver's seat with the Telvent SmartMobility Road Suite. Whether you need to control intersections and freeways, manage toll roads and bridges,, monitor critical road infrastructures or manage parking facilities, Telvent helps you maximize your infrastructure with these fully integrated solutions:

- Telvent SmartMobility Traffic manages urban traffic and freeways, allowing operators to monitor and control transportation assets to reduce congestion, increase mobility and improve air quality.



- Telvent SmartMobility Tolling provides a complete management platform for road and bridge tolling for both barrier and non-barrier systems with online, real-time diagnostics of your entire toll system.
- Telvent SmartMobility Tunnel & Bridge is a supervisory control and data acquisition (SCADA) system that supports tunnel and bridge operators in the critical task of efficiently controlling and securing infrastructure.
- Telvent SmartMobility Traveler Information offers the only reliable web-based that enables, multiple agencies, private entities, and other organizations in the network to share vital travel time information and disseminate it to the public.
- Telvent SmartMobility Enforcement detects traffic violations, identifies offenders, connects with local agencies' databases, and manages ticketing and payment processing.
- Telvent SmartMobility Bus Signal Priority provides an arterial street adaptive signal priority system to ensure public transit vehicles remain on schedule.
- Telvent SmartMobility Parking integrates fare management and control of parking facilities. It features a parking guidance system to streamline the parking process for users.
- Telvent SmartMobility Bus promotes interoperable public transportation networks by enhancing the efficiency and accuracy of fare collection systems.

## Telvent Rail Suite

For rail managers interested in a comprehensive ITS package, we offer a robust and fully integrated solution. And for those who may need to upgrade a specific

application within their current system, we offer the perfect flexibility in our modular product configuration.

- Telvent SmartMobility Rail Traffic provides advanced centralized traffic management and regulation for any railway network. It increases network traffic capacity to improve traffic regularity, reduces risk by managing emergency situations in real-time and rationalizes railway operations.
- Telvent SmartMobility Rail Station controls and manages rail station systems and communications networks, including equipment monitoring and control—lighting, ventilation, elevators, stairways, drain pumps, power supplies, etc. It manages implementation of maintenance plans and improves rail station security by handling emergency situations in real time.
- Telvent SmartMobility Fare Collection handles fare collection and access control to rail networks. The fare integration module issues a single ticket for different modes of transportation—bus, train, subway, etc.
- Telvent SmartMobility Light Rail simplifies light rail global management by integrating signal priority, traffic management, energy control, and fare, information and station management solutions. Increases traffic efficiency while improving safety and reducing delays.



## Telvent SmartMobility Maritime Suite

As international commerce expands, maritime traffic growth and security threats become ever-greater challenges for shipping and port managers. The Telvent SmartMobility Maritime Suite is custom built for this unique environment.

**TELVENT**  
is part of

**Schneider**  
Electric

[www.telvent.com/transportation](http://www.telvent.com/transportation) 1.800.609.9090

- Telvent SmartMobility VTS offers advanced maritime traffic monitoring and control that actively monitors and directs vessels in busy waterways. It improves security at sea by controlling piracy, terrorism, illegal immigration, oil spills, search and rescue and drug trafficking.
- Telvent SmartMobility Port Management provides efficient global management of the activities and users operating in ports by integrating dissimilar operations systems into a single platform.
- Telvent SmartMobility Simulators feature a wide range of smart maritime, fishing and port simulators that train future maritime operators and establish effective plans of action for dealing with all types of maritime emergencies.



Because integration, flexibility and reliability matter. Telvent SmartMobility is a completely integrated solution, from field devices to back-office systems, with seamless design from one system module to the next. You get a flexible, robust and modular solution that is scaled and customized to meet your unique needs. You get solutions that have been proven in countless installations around the world, with installation services and ongoing support that are second to none.

## Why Telvent?

Because experience matters, especially when it comes to critical transportation systems. Telvent has been at the forefront of transportation management solutions for decades. Every day, around the world, our systems:

- Control traffic at 9,000 intersections used by 195 million drivers.
- Manage train, metro and bus networks that carry about 7 million passengers
- Provide traffic information via phone and web to almost 2 million people
- Manage toll networks in handling 1.6 million vehicles

Because long-term commitments matter. At Telvent, we are committed to best-in-class sustainability in the environment. We're committed to excellence in our solutions and to earning trust in our client relationships. When the world is relying on you to keep things moving, nothing is more important.

**TELVENT**  
is part of

**Schneider**  
Electric

[www.telvent.com/transportation](http://www.telvent.com/transportation) 1.800.609.9090

©2009-2011 Telvent is a trademark and the property of Telvent. All rights reserved. All other trademarks are the properties of their respective owners.