

T-Systems Road User Services

Tolling as a Service

The road to a greener future

Imagine a world where roads are safer, traffic flows smoothly, and every journey contributes to a greener planet. This is the future we are building with our cutting-edge Global Navigation Satellite System (GNSS) tolling solutions. It's no longer just about paying for roads—it's about creating a sustainable, fair, and efficient transportation ecosystem of the highest quality that benefits everyone.

Driving a greener and fairer future

Sustainability is at the heart of what we do. Our modular, pay-as-you-drive tolling solutions improve customer convenience, enable fair polluter-pays pricing, keep traffic moving, and cut emissions – ensuring cleaner air and a healthier planet.

Tolling you can trust

With a proven track record in over 16 European countries, we deliver high-performance tolling solutions that ensure seamless travel, maximum uptime, and tailored service levels for road users and public authorities – because reliability is non-negotiable.

Built for flexibility, designed for you

Whether you need a full end-to-end tolling system or customized modules, our adaptable solutions guarantee effortless integration and peak performance – fully under your control. emissions – ensuring cleaner air and a healthier planet.




Connecting
your world.

T-Systems Road User Services

A legacy of innovation, a vision for tomorrow

T-Systems Road User Services, with over 25 years of innovation in road-charging and telematics, is revolutionizing tolling with its next-generation, scalable, and flexible tolling platform. Designed to support both large operators and smaller providers offering the European Electronic Toll Service (EETS), our platform delivers fully interoperable solutions, enhancing efficiency and customer satisfaction. As a trusted partner across Europe, we've led major milestones, from advancing GNSS-based tolling technologies to launching Toll4Europe, a service covering more than 16 regions. Today, we are at the forefront of France's GNSS tolling market, empowering the future of road charging and offering unparalleled expertise for the next era of light vehicle tolling.



**With T-Systems
Road User Services,
we are not just keeping up
with the future of tolling—
we are driving it.**

Client success in action

Pioneering seamless tolling across Europe with a single On Board Unit (OBU)

Toll4Europe revolutionizes toll collection for commercial fleets with a single device and contract covering over 16 European countries. Our smart, interoperable solution – T-Systems Road User Services – simplifies cross-border travel, ensuring compliance with EETS regulations while reducing administrative hassles. We deliver precise, secure, and efficient toll processing – helping fleet operators optimize costs and operations. Drive without borders with Toll4Europe!

EETS Provider



Key benefits

- Simplification of pan-European transports
- Link between toll charger, sales partners, and toll-payers
- A partner with expertise in building and operating IT systems for road tolls

Key figures

- **Monthly tolled amount:** Up to €500 million
- **Annual invoice volume:** Approximately 10 million
- **Registered On Board Units (OBUs):** Over 500,000
- **GNSS toll detection accuracy:** Greater than 99.5%
- **EETS toll coverage:** 17 toll chargers across more than 16 countries

Toll Charger



Key benefits

- Seamless integration with EETS services
- Reduced administrative costs and improved efficiency
- High security (ISO 12855 and EETS compliance)

Key figures

- Secure data center with 24/7 operations
- Protected network infrastructure with IT security (firewalls, IDS, WAN)
- Reliable system uptime of over 99.9%
- Scalable solutions, processing millions of transactions daily

Leading the future of GNSS tolling in France

In 2025, T-Systems Road User Services took a pioneering step into the French GNSS tolling market as the R-PASS operator, implementing an innovative satellite-based tolling system for heavy goods vehicles (HGVs) in the Alsace region. This initiative sets a new benchmark for tolling efficiency and user experience, leveraging advanced technology to pave the way for future GNSS-based road charging solutions.

Pioneering innovation

T-Systems drives Belgium's kilometer tolling since 2016

Our tolling platform powers the Belgian kilometer charging system, which was awarded to a T-Systems-led consortium in 2014. The system, operating through Satellic NV, charges HGVs over 3.5 tons on Belgian roads and runs until 2031. It uses GNSS/Global System for Mobile (GSM)-based OBUs to collect tolls for all three Belgian regions, factoring in distance, road type, vehicle weight, and emission class. Covering 154,000 km, this system showcases the platform's ability to manage complex, EETS-compliant tolling solutions, making it a trusted partner for European toll service providers.

Toll Service Provider



Key benefits

- Efficient toll collection in three regions
- Reduced infrastructure with a station-free system
- Potential to expand with incentivized support for eco-friendly vehicles

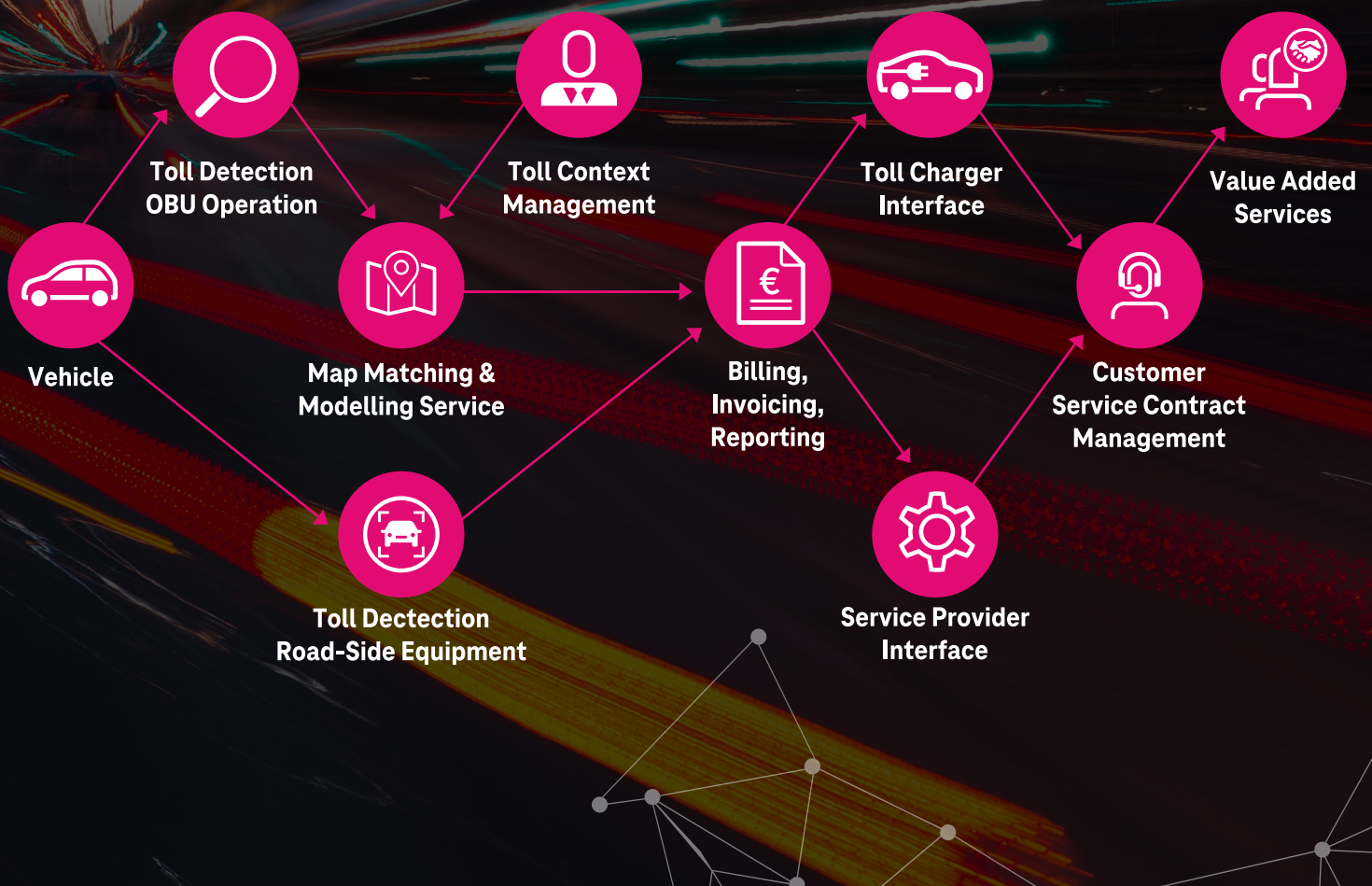
Key figures


- Covered network: Over 154,403 km
- Tolled network: Over 6,866 km
- Charge data records: 22 million/week (88 million/month in 2023)
- Annual revenue (2023): €310 million
- Daily toll: €1.21 million
- Vehicles per day (2023): 125,000–150,000 (including EETS)
- System accuracy: 99.9%
- Enforcement: 39 gantries, 22 flexible sites, 30 mobile units

T-Systems Road User Services' modular tolling platform

With 25+ years of expertise, T-Systems Road User Services delivers cutting-edge IT solutions that power toll chargers, EETS providers, and global toll service providers. Our modular tolling ecosystem seamlessly connects road users (B2C) and key market players (B2B), ensuring a smarter, more efficient tolling experience.

Flexible, scalable, and seamless tolling solutions for toll chargers and toll service providers





At the core of our offering is the **Tolling as a Service (TaaS) platform** - a flexible, scalable solution designed for seamless tolling operations suitable for toll chargers and toll service providers.

Proven across multiple implementations, TaaS streamlines every tolling process, from OBU field operations and charge generation to billing, reporting, and customer management.

Built on the innovative T-Systems Road User Services' modular tolling platform, TaaS leverages a multi-vendor strategy and industry-leading partnerships to ensure top performance at a competitive price. Its API-driven architecture enables effortless third-party integration, enabling clients to adapt and scale with ease.

Plus, with customizable value-added services, we deliver tailored, future-proof tolling solutions designed for tomorrow's mobility needs.



Future-proof tolling services

● Toll Detection

T-Systems Road User Services delivers high-precision toll detection using GNSS, Dedicated Short Range Communication (DSRC), and Automatic Number Plate Recognition (ANPR). OBUs, GNSS trackers, or apps match locations to toll maps, while DSRC and ANPR provide alternative seamless tolling solutions. Reliable processing ensures smart, accurate, and flexible toll detection.

● OBU Operation

T-Systems Road User Services manages over 1 million OBUs with <0.1% outage rate, leveraging reliable hardware, stable software, and automation. Proactive monitoring ensures cost-effective, high-performance fleet management.

● Billing, Invoicing, Reporting

Ensures EETS compliance by integrating payment services and ERP systems, managing formats, taxes, and statements. Flexible APIs enable seamless data access for billing, invoicing, and reporting through portals.

● Map Matching & Modelling

Transforms toll domain requirements into precise toll object definitions, continually updating models to reflect road network changes. Provides accurate maps as plug-in solutions or standalone datasets for optimal tolling accuracy.

● Toll Context Management

Processes toll events by applying tariffs, enriching data per domain rules, and generating charge records for billing, invoicing, and accounting, ensuring accurate toll management.

● Customer Service and Contract Management

T-Systems Road User Services provides second- and third-line support for EETS road charging, managing toll charger relations, contracts, and master data through a flexible API. Clients can integrate tolling functions or use the web-based Business Partner Portal, consistently rated best-in-class

● Service Provider Interface

Securely links toll chargers with service providers, resellers, and EETS providers through a compliant back-office interface. Built as per ISO 12855 norms, it offers flexible technology and certified access, ensuring stable, high-quality integration within the tolling ecosystem.

● Reporting and KPI Management

Aggregates data from multiple sources into a central pool for processing and analysis. Generates standard or on-demand reports on service health, performance, and KPIs. Visualized through dashboards and exportable in various formats, with feedback loops for continuous improvement.

● Toll Charger Interface

Connects toll charger back offices with service provider systems for seamless communication. While it is based on ISO 12855, it adapts to domain-specific needs with configurable technology and independent adaptors. Certified across nearly all EETS domains, it ensures reliable, efficient integration.

● Value-Added Services

T-Systems Road User Services offers tailored solutions to enhance tolling services through a modular platform for quick, cost-effective implementation. Features include real-time tracking, driver messaging, non-toll payments, vehicle integration, and driving style analysis, optimizing operations and customer experience.

End to end solutions with T-Systems Road User Services

More than a platform: A complete tolling ecosystem

Our tolling platform delivers a comprehensive and integrated suite of tolling services designed to streamline operations, improve efficiency, and enhance user experience. Backed by advanced technologies and seamless connectivity, our platform supports tolling systems of all sizes and complexities, ensuring that both toll operators and road users benefit from cutting-edge solutions. From eTicketing and mobile app services to enforcement mechanisms, we provide a full range of tools to optimize toll collection and compliance in today's evolving transportation landscape.

in cooperation with



1. OBU and mobile app-based solutions

We provide and support all types of OBUs and mobile applications, ensuring seamless deployment, management, and integration for effective toll collection across diverse systems and platforms.

Your trusted driver's companion

- **Seamless European tolling:** One device for all toll services across Europe
- **Proven reliability:** A trusted solution with years of successful performance
- **Plug and play:** Quick and easy installation in just a few minutes

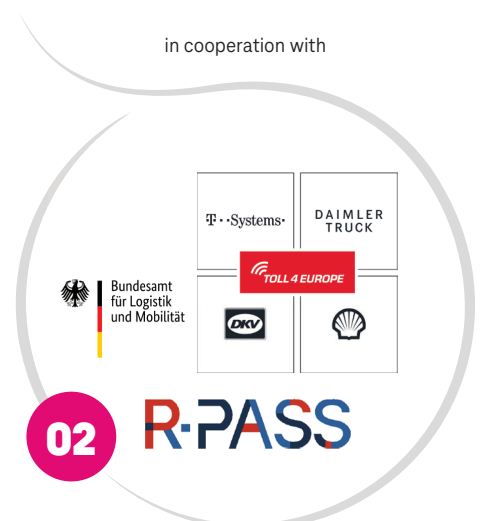
The next generation of smart tolling

- **High-definition display:** Full-color screen for enhanced clarity and precise parameter input
- **Optimized adjustments:** New three-button system for easy weight and axle settings
- **Future-ready:** Fast and reliable communication with operated and future mobile networks

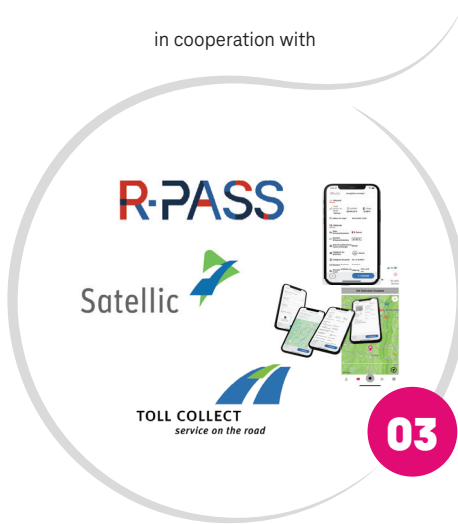
2. EETS, toll charger, or service provider solution

We provide and support all types of OBUs and mobile applications, ensuring seamless deployment, management, and integration for effective toll collection across diverse systems and platforms.

in cooperation with



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3. eTicketing and web solutions

Our platform offers comprehensive eTicketing services through a user-friendly web portal, enabling road users to easily select, purchase, and manage tickets. This ensures a convenient, seamless experience for both operators and customers.

eTicketing
via App

- Fast & easy to use by end customers
- Sales channels: web, app, portal, ...
- Integration with Contract Management and Billing

Pay toll & get ticket

Plan & book route

Create account & vehicle

4. Enforcement and compliance

We provide advanced enforcement solutions, including fraud detection, real-time monitoring, and automated sanctioning mechanisms, ensuring compliance with tolling regulations and minimizing revenue loss.

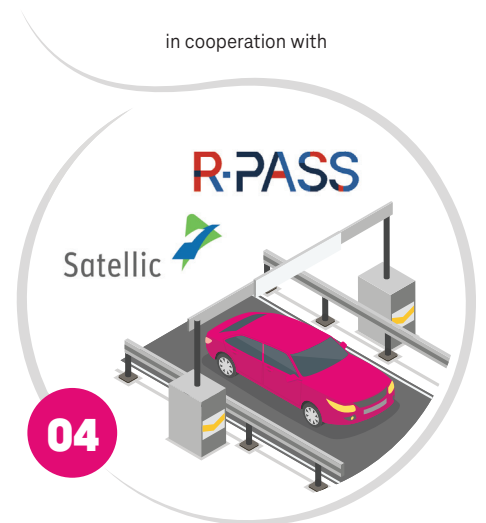
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5. Customer service and call center

With expertise from Belgium, Toll4Europe, and R-PASS, we ensure fast issue resolution, real-time insights, and scalable multilingual support for seamless toll management.

in cooperation with



Our tolling services are designed to optimize operations, enhance user experience, and streamline the entire tolling ecosystem, from ticketing to enforcement.

It's not just about the roads-
it's about shaping the future of mobility.

Let's work together

to create an optimal road
network for a sustainable future.

Are you in? Contact us!



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