TRAMIGO

MISSION-CRITICAL FLEET MANAGEMENT SOLUTION

A Modular, Multi-Layer, Fail-Proof Tracking System for High-Stake Operations

Tramigo | 20+ years | Global presence

Key Challenges for Modern Fleet Operations

For mission-critical fleets, the cost of losing visibility is more than just data gaps. It can mean safety incidents, security breaches, and operational paralysis. Fleet managers in high-stakes environments face similar core challenges worldwide, but the intensity varies by region.

Connectivity continuity
Even though 88% of the world's population has 4G coverage, rural and cross-border operations can still leave fleets in areas with only 2G availability. Devices must switch automatically to the strongest network to avoid blackouts.

Security threats in transit
In South Africa, cargo truck hijackings rose over 30% in 2023, while Southeast Asia's major ports and highways face rising organized cargo theft incidents. Fleets need real-time tracking, driver ID, geofencing, and remote immobilization to protect drivers and assets.

Compliance and audit readiness
Regions like the EU require strict adherence to driver hours, vehicle safety checks, and emissions reporting. Manual compliance is time-consuming; automated telematics reporting reduces risk of fines and downtime.

Cost of downtime
Unplanned downtime during long-haul, cross-border operations can cost fleets $448–$760 per day per vehicle in lost revenue. At the same time, detention or late-delivery penalties often run between $25–$100 per hour. Missing real-time visibility can mean losing both days of revenue and hours-long penalty fees.

Mixed asset tracking
Mission-critical fleets often combine powered and unpowered assets (trailers, containers, heavy equipment) that require different tracking solutions under one centralized platform.

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Use Cases

How Tramigo Mission-critical Fleet Management Benefits High-stake Operations

Logistics Fleets - Cross-Border High-Value Cargo

A long-haul truck transporting pharmaceuticals from Malaysia to Thailand maintains real-time visibility across borders with Tramigo's multi-network eSIM. Unlimited data and no roaming fees keep tracking uninterrupted, while geofencing and remote immobilization protect against theft attempts in high-risk transit zones.

Mining & Construction – Remote Asset Oversight

Heavy machinery in a mining site far from urban coverage areas stays online using 4G with 2G fallback and live tracking. TramigoCloud aggregates fuel usage, operating hours, and maintenance alerts, allowing managers hundreds of kilometers away to schedule service before breakdowns halt operations.

Security & Defence – Rapid Incident Response

During a high-risk convoy mission in a politically unstable region, an SOS alert was triggered under an attempted hijacking. The control center instantly locates the vehicle, immobilizes it remotely, and dispatches a security escort. Multi-network connectivity ensures the command reaches the vehicle despite weak local coverage.
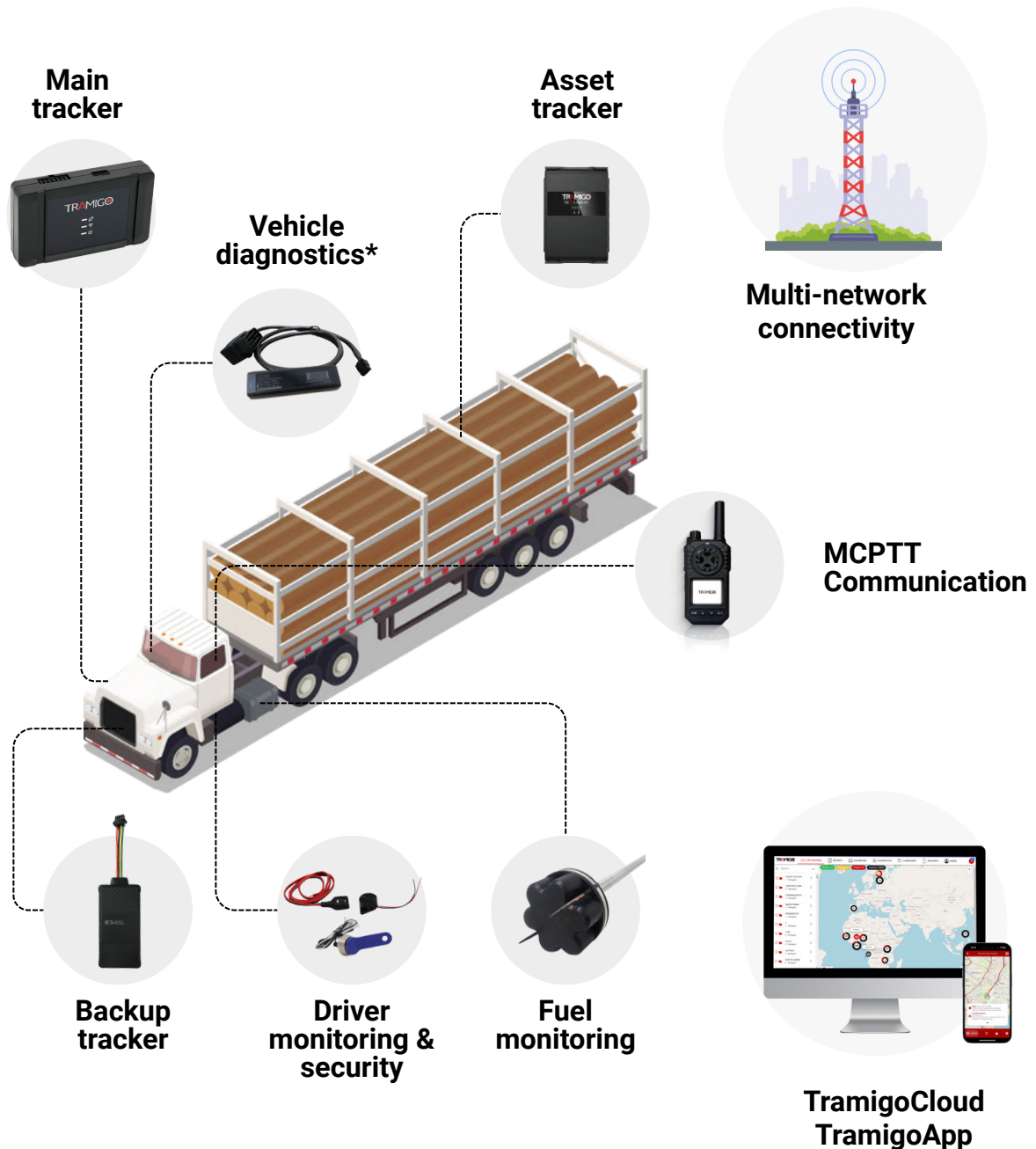
MISSION CRITICAL FLEET MANAGEMENT SOLUTION

From cross-border convoys to remote deployments, Tramigo's mission-critical fleet management solution provides the continuity and control needed to respond instantly, protect valuable cargo, and keep operations running without interruption.

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Solution Overview

Advanced Fleet Management with Modular Flexibility

Tramigo delivers an all-in-one system that includes tracking hardware, fleet software, and multi-network connectivity. The design is layered to keep operations running when conditions are tough and standard systems cannot keep up. This approach helps organizations maintain visibility, control costs, and scale without disruption.

Main tracker

Asset tracker

Vehicle diagnostics*

Multi-network connectivity

MCPTT Communication

Backup tracker

Driver monitoring & security

Fuel monitoring

TramigoCloud TramigoApp

Compatible only with specific makes and models. Conforms to CAN protocol J1708, J1939, and OBD protocol.

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Multi-Layer, Fail-Proof Hardware

Primary and Backup Trackers

- Embedded intelligence
- 4G-2G fallback
- Advanced fleet management
- Driver behavior monitoring
- BLE & Wired accessories compatibility
- CANBus integration

T25 Fleet

Tramigo T25 Fleet is designed with the latest technology for optimal connectivity in fleet management. The device comes with 4G and 2G fallback, making sure that your fleet is always within control, even in the most challenging environment with weak connectivity. T25 Fleet is equipped with Bluetooth feature to connect with multiple sensors and streamline wireless communication between devices.

- Real-time live tracking
- Compact and easy to install
- Real-time live tracking
- Dustproof and water resistant
- Compatible with light to heavy duty vehicles
- Remote immobilization
- No installation required
- Built-in, long battery life

Versatile Backup Trackers

Designed as a reliable backup option, the GPS tracking devices run on Tramigo's own firmware to keep tracking active if your primary system goes offline. With support for 2G, 4G, and Bluetooth, these trackers are versatile and ready for any environment.

NEMO Wireless Tracker

This compact, wireless IP65 tracker runs on a long-lasting rechargeable battery and works completely independent of vehicle power. Perfect for trailers, equipment, and mobile assets, NEMO stays hidden with a strong magnetic case and keeps tracking even when the engine is off.

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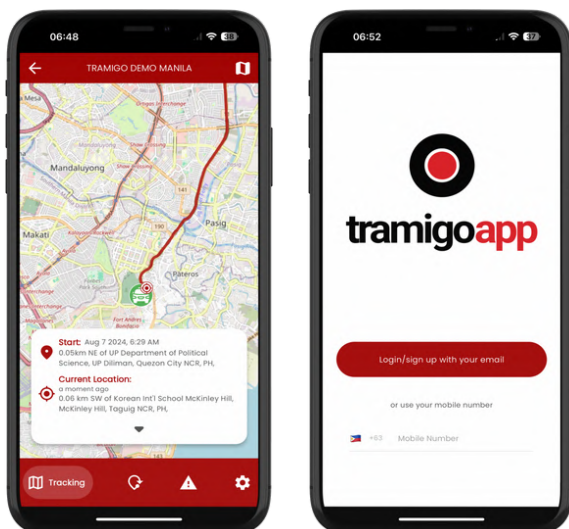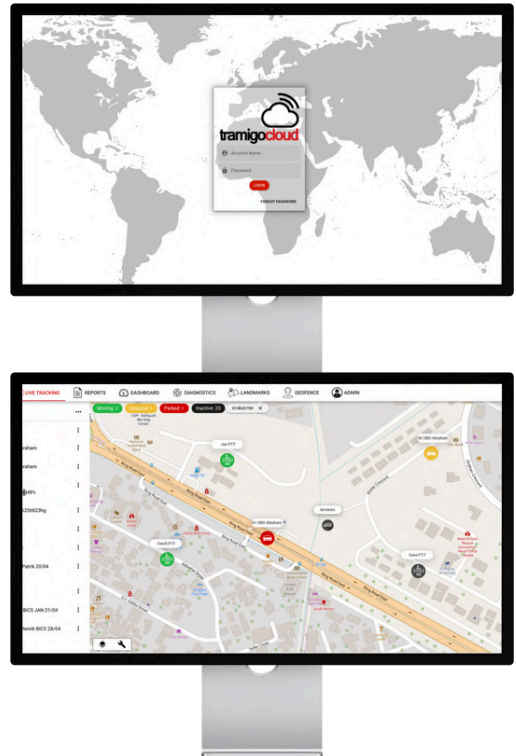
Centralized Command

TramigoCloud and TramigoApp

For mission-critical fleets, control starts with having every asset, every alert, and every decision in one place. TramigoCloud and TramigoApp work together to give fleet managers full visibility and control, whether in the operations center or on the move.

TramigoCloud - Fleet Command Center

Accessible from any secure desktop browser, TramigoCloud gives a complete operational overview:

- Live tracking of individual and all vehicles and equipment on one interactive map.
- Multi-asset management, covering powered vehicles and unpowered assets like trailers or containers.
- Driver performance monitoring with speed, idle time, harsh braking, and other behavioral indicators.
- CAN/OBD data for diagnostics, fuel usage, and maintenance planning.
- Real-time alerts for events like SOS button activation, geofence breaches, unauthorized movement, fuel loss, and more.
- Automated reports (Excel, CSV, PDF) for compliance audits, incident reviews, and management briefings.
- Local hosting option for organizations needing maximum data security and offline control.

TramigoApp - Control in Your Pocket

When operations staff are away from their desks, TramigoApp mirrors the core functions of TramigoCloud in a mobile-friendly format:

- Live asset location updates on the phone.
- Push notifications for priority alerts (e.g., SOS, immobilization request, security breach).
- Quick commands like remote immobilization or setting alerts.
- Data sync with TramigoCloud, so updates made in the field are instantly reflected in the central dashboard.

Unbreakable Connectivity

Multi-Network Reliability

In mission-critical fleet operations, losing connection means losing control. Whether transporting high-value goods across borders or managing emergency services in remote areas, a blackout in tracking can put people, assets, and missions at risk. Tramigo's multi-network connectivity is designed to eliminate these blind spots.

How it works

- Built-in eSIM technology connects the device automatically to the strongest available network in the area.
- If 4G coverage is not available, the device switches instantly to 2G fallback to maintain continuous communication.
- Automatic network switching requires no manual SIM swap or settings change, even when crossing country borders.
- The connection works across multiple operators in each country, ensuring that if one network fails, another takes over.

Get continuous, reliable data flow to TramigoCloud dashboard & TramigoApp, keeping decision-makers informed & in control at all times.

Why it matters for mission-critical fleets

- **Borderless tracking:** Keep visibility during cross-border journeys without roaming setup delays.
- **Rural and remote resilience:** Maintain asset location and communication in mountainous areas, deserts, islands, or rural highways.
- **Operational continuity:** Switch automatically between 4G and 2G networks so SOS alerts, geofencing, and immobilization always function without interruption.
- **No single point of failure:** By using multiple networks in parallel, the risk of total disconnection is reduced to a minimum.
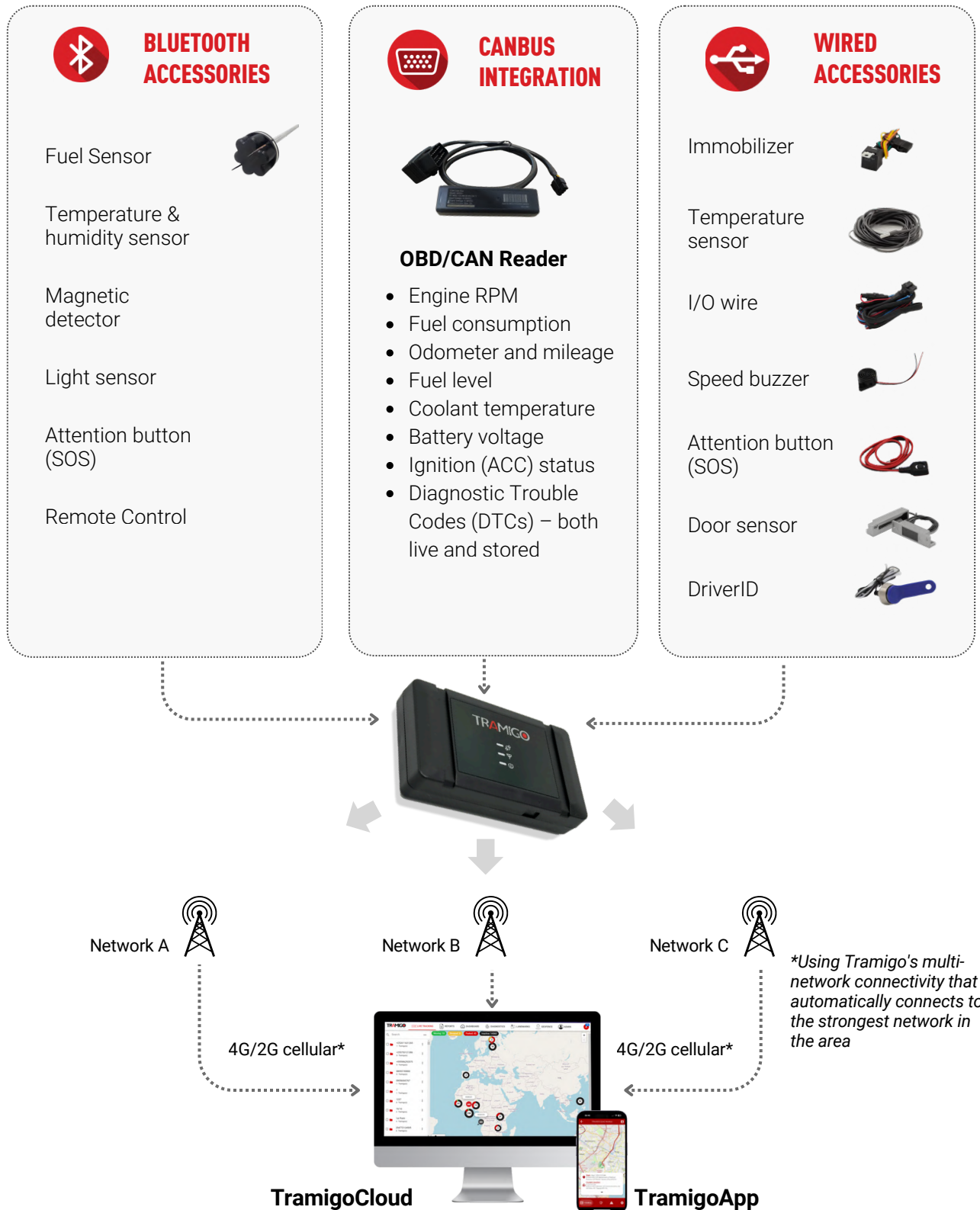
T25 ECOSYSTEM

In mission-critical fleet operations, raw data is only valuable if it can be turned into clear, actionable insights. The T25 Ecosystem brings together vehicle data, sensor inputs, and location tracking into one decision-making process, so fleet managers can act fast, with confidence.

The T25 Ecosystem

Flexible Integration Options

BLUETOOTH ACCESSORIES

Fuel Sensor

Temperature & humidity sensor

Magnetic detector

Light sensor

Attention button (SOS)

Remote Control

CANBUS INTEGRATION

OBD/CAN Reader

- Engine RPM
- Fuel consumption
- Odometer and mileage
- Fuel level
- Coolant temperature
- Battery voltage
- Ignition (ACC) status
- Diagnostic Trouble Codes (DTCs) – both live and stored

WIRED ACCESSORIES

Immobilizer

Temperature sensor

I/O wire

Speed buzzer

Attention button (SOS)

Door sensor

DriverID

Network A

Network B

Network C

Using Tramigo's multi-network connectivity that automatically connects to the strongest network in the area

4G/2G cellular*

4G/2G cellular*

TramigoCloud

TramigoApp

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The T25 Ecosystem

Turning Data into Decisions

The T25 Ecosystem is not just about tracking, it's about enabling fast, informed, and data-driven decisions that protect assets, improve efficiency, and keep mission-critical fleets operational without interruption.

1 **Data Collection from Multiple Sources**

- **GPS tracking** delivers continuous position updates, route history, and trip durations.
- **Bluetooth and wired accessories** monitor driver behavior, cargo conditions, and vehicle status (temperature, door satus, driver authorization, etc.) in real time
- **The OBD/CAN reader** sends diagnostics such as fuel consumption, engine status, and maintenance alerts.

2 **Reliable Multi-Network Transmission**

- All data is sent over multi-network 4G with 2G fallback, ensuring it reaches TramigoCloud even in rural or cross-border operations.
- Instant switching between networks means no delay in reporting critical events.

3 **Centralized Insight via TramigoCloud & TramigoApp**

- Data from all sources is combined into a single view - maps, charts, and alerts, so managers don't have to switch between platforms.
- Real-time updates allow operational teams to monitor trends, detect anomalies, and receive instant alerts on priority events.

4 **Decision-Making and Response**

- **Immediate actions:** Trigger remote immobilization, or dispatch support in response to incidents.
- **Preventive measures:** Identify risky driver behavior, mechanical issues, or route inefficiencies before they cause downtime or accidents.
- **Strategic planning:** Use historical data to optimize route planning, maintenance scheduling, and resource allocation.

OUTCOMES & DEPLOYMENT

Grow your fleet and expand your operations locally or internationally, without hidden costs, unpredictable bills, or complex reconfiguration.

Predictable Costs and Scalable Control

Tramigo's Mission-Critical Fleet Management solution is designed to grow with your operations while keeping costs clear and predictable.

Predictable Costs

- **All-in-one pricing:** Hardware, software, and connectivity are bundled into one clear cost, so there is no separate billing for different components.
- **Unlimited eSIM data:** Every device includes unlimited data for tracking, sensor reporting, and command functions, with no per-MB charges.
- **No roaming fees:** Cross-border operations are covered under the same cost. Whether your fleet moves between cities or countries, your tracking cost stays the same.
- **Global budget control:** Fixed-cost structure makes it easy for fleet managers to forecast expenses across multiple regions without worrying about unpredictable telecom bills.

Scalable Control - From Local to Global Fleets

- **Integrated system:** All fleet assets, from vehicles, trailers to equipment, are monitored through a single centralized platform (TramigoCloud and TramigoApp).
- **Add as you grow:** Easily onboard new vehicles or expand into new regions without replacing existing infrastructure.
- **Simple integration:** Works alongside your current operational workflows, reducing setup time and eliminating the need for large-scale IT projects.
- **Competitive pricing at scale:** Larger fleets benefit from the same predictable cost-per-unit model, keeping operational expansion sustainable.
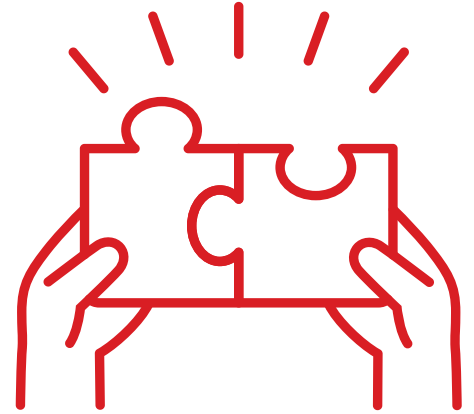
Local Expertise and Support

- Tramigo operates with local teams in key regions, ensuring fast deployment, on-site assistance, and cultural familiarity.
- Support includes training, troubleshooting, and continuous system optimization to keep your fleet running at peak performance.

Traditional Fleet Systems vs. Tramigo

Criteria	Traditional Market Approach	Tramigo Mission-Critical Fleet Management
Solution delivery model	Fragmented components - different vendors or contracts for hardware, software, and connectivity. Integration and billing are managed separately.	Fully integrated package - hardware, software, and connectivity provided by Tramigo as a complete solution.
Data costs	Plan-based data usage with possible overage charges. International or cross-border use often incurs extra fees.	Unlimited eSIM tracking data included in the standard plan, with no per-MB or overage charges.
Roaming fees	Additional roaming fees are common; some solutions require manual SIM swaps or special roaming plans.	Cross-border tracking at no extra cost with built-in eSIM and multi-network tech (no SIM swaps).
Connectivity	Often locked to a single network provider, risking signal loss in weak-coverage areas.	Multi-network connectivity with auto-switching to the strongest 4G signal, plus 2G fallback.
Scalability & Integration	Scaling may require new vendor contracts or technical integration projects.	Add vehicles, assets, and regions easily without re-engineering or replacing existing systems.
Local support	Varies by vendor	Tramigo offers global tech support & multi-language service with local, on-the-ground teams.

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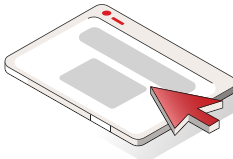# Let's Build Together

CONTACT TRAMIGO

1

Discuss your business requirements and receive a draft proposal and quote.

INSTALLATION & TRAINING

2

The Tramigo team installs hardware, configures software, and provides training online and on-site.

SUPPORT COMMITMENT

3

Guaranteed access to technical support and new solution development.

Contact Us

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