
Sollydida
For Engineering and Services
Shaping The Future

SOLLYDIDA – YOUR STRATEGIC PARTNER IN GLOBAL IOT CONNECTIVITY

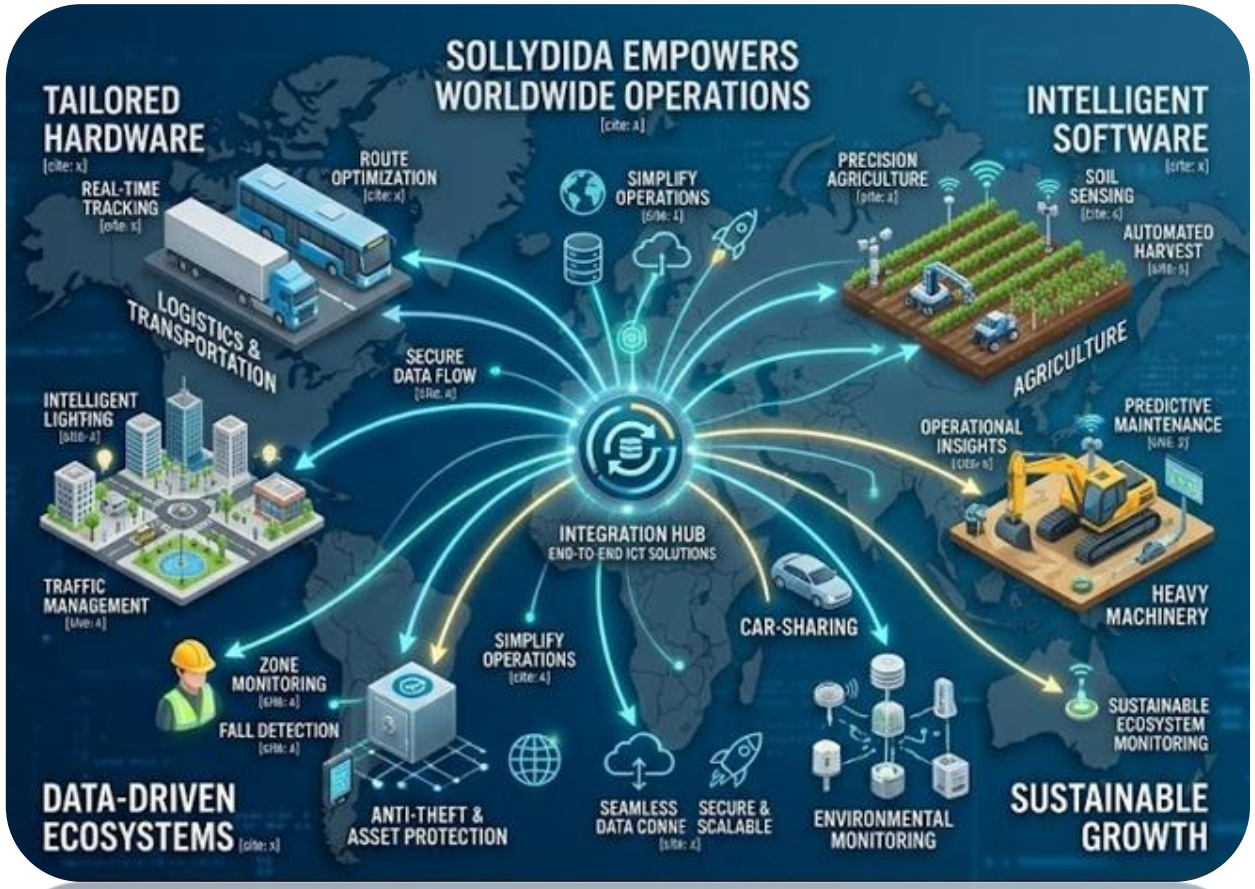
Sollydida empowers businesses worldwide through tailored, high-performance IoT hardware and intelligent software solutions.

As a full-service technology partner, we bridge the gap between physical assets and digital intelligence–transforming real-world operations into data-driven ecosystems.

We don't just deliver devices. We provide complete, end-to-end IoT solutions that integrate the entire technology stack–from robust, field-ready hardware to intuitive management platforms and advanced data analytics.

Our mission is clear:

To simplify complex operations through seamless, secure, and scalable data connectivity–enabling smarter decisions, greater efficiency, and sustainable growth.



OUR STRATEGIC PARTNERSHIPS

Hardware Excellence

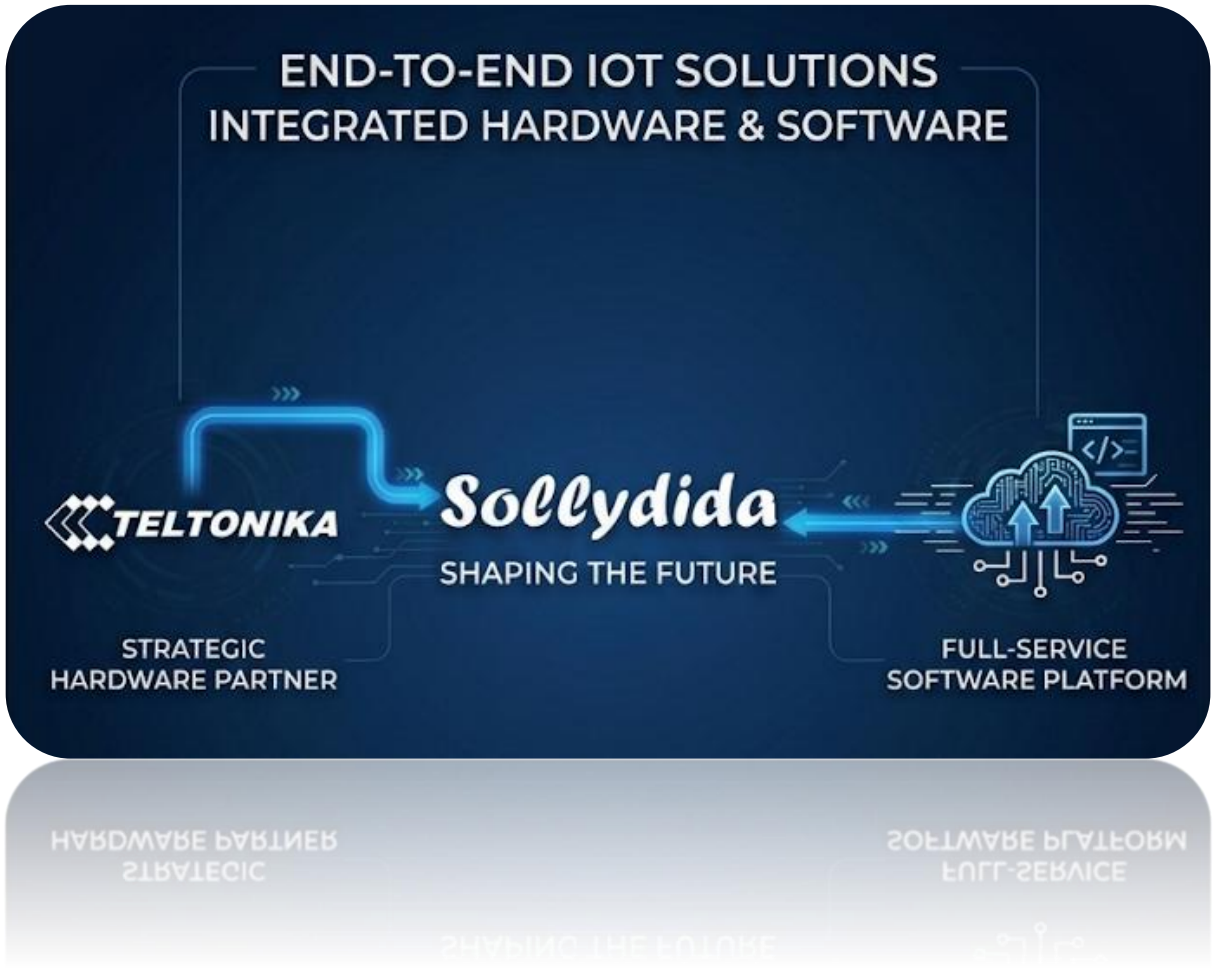
As a proud strategic partner of **Teltonika**, a globally recognized leader in professional networking and telematics hardware, we deliver industrial-grade, reliable, and future-ready devices built for mission-critical environments. This partnership ensures cutting-edge technology, proven durability, and worldwide scalability.

Teltonika

27+ Million manufactured products
21 Countries
25+ Years of experience
600+ parameters and features.

Software Innovation

Through collaboration with world-class software developers, we provide solutions enable real-time analytics, intelligent remote monitoring, predictive insights, and advanced automation—empowering businesses to transform data into measurable results.



OUR INTEGRATED SOLUTIONS

Transportation & Fleet Management

This is the core field for our devices, focusing on moving vehicles and the efficiency of their operations.

Logistics & Delivery:
Real-time tracking of trucks and vans, route optimization, and monitoring cargo status (e.g., temperature for pharmaceuticals or food).

Public & Corporate Transport:
Management of taxis, buses, and car-sharing/rental services.

Heavy Machinery:
Specialized tracking for agriculture (tractors, harvesters), construction equipment, and mining vehicles to monitor usage hours and fuel consumption.

E-Mobility:
Tracking and remote control for electric bikes, scooters, and mopeds, including battery monitoring.

OUR INTEGRATED SOLUTIONS

Security & Risk Mitigation

These fields use trackers primarily to protect high-value assets and ensure safety compliance.

Anti-Theft & Recovery:
Stolen vehicle recovery (SVR) and geofencing to alert owners if a vehicle or equipment leaves a designated area.

Insurance Telematics:
"Pay-as-you-drive" models that monitor driving behavior (braking, acceleration, cornering) to adjust premiums and reconstruct accidents.

Asset Protection:
Tracking of non-powered assets like shipping containers, trailers, and expensive tools using long-life battery trackers.

OUR INTEGRATED SOLUTIONS

Specialized Industrial & Personal IoT

This group covers niche applications that go beyond standard vehicle tracking.

Workforce Safety:
Personal trackers for lone workers or vulnerable people (elderly/children) featuring panic buttons and fall detection.

Indoor Tracking:
Using Bluetooth beacons in large warehouses, hospitals, or airports where GPS signals are weak, allowing for the precise location of equipment or personnel indoors.

Environmental Monitoring:
Integrating trackers with sensors to monitor humidity, door status, or fuel levels in stationary or mobile tanks.

MEASURABLE FEATURES – TOP 100

With **Teltonika telematics** technology, fleets gain access to **100+** measurable parameters that transform vehicle data into valuable operational insights through the combination of **GNSS tracking, CAN/OBD vehicle diagnostics**, and **IoT sensor integrations.**

These parameters include location tracking, trip analytics, driver behavior monitoring, engine diagnostics, vehicle electrical systems, fuel monitoring, emissions data, and external sensor information such as cargo conditions, tire pressure, and environmental measurements.

By utilizing this data, businesses can **improve driver safety, optimize fleet performance, reduce fuel consumption, and detect potential mechanical issues early**. This enables organizations to **increase operational efficiency, lower costs, enhance safety standards, and deliver better service to their customers through data-driven decision making**.

1. Location & GNSS data	34. Alternator status	68. Trunk status
1. GPS latitude	35. Ignition status	69. Seat belt status
2. GPS longitude	36. Power disconnect detection	70. Door lock status
3. Altitude	37. Starter status	
4. Speed	38. CAN ignition	**8. Emissions & exhaust parameters**
5. Heading / direction	39. Digital input status	71. AdBlue level
6. Number of satellites	40. Digital output status	72. Exhaust temperature
7. GPS signal quality		73. DPF regeneration status
8. GNSS fix status	**5. Engine parameters (CAN / OBD)**	74. NOx sensor readings
9. Time (GNSS)	41. Engine RPM	75. Emission system fault
10. Position accuracy	42. Engine load	76. Oxygen sensor status
	43. Engine hours	
2. Trip & movement analytics	44. Engine coolant temperature	**9. Vehicle environment & load monitoring**
11. Trip start time	45. Engine oil temperature	77. Gross vehicle weight
12. Trip end time	46. Engine oil pressure	78. Axle load
13. Trip duration	47. Engine oil level	79. Cargo door status
14. Trip distance	48. Engine air intake pressure	80. Trailer connection status
15. Stop duration	49. Intake air temperature	81. Trailer ID
16. Movement status	50. Throttle position	82. PTO (power take-off) status
17. Idling time		
18. Maximum trip speed	**6. Fuel monitoring parameters**	**10. External sensors & IoT integrations**
19. Average trip speed	51. Fuel level	83. Temperature sensor
20. Total distance traveled	52. Fuel consumption rate	84. Humidity sensor
	53. Total fuel used	85. Tire pressure (TPMS)
3. Driver behaviour parameters	54. Fuel tank level (sensor)	86. Tire temperature
21. Harsh acceleration	55. Fuel refill detection	87. Cargo weight sensor
22. Harsh braking	56. Fuel theft detection	88. Fuel tank probe sensor
23. Harsh cornering	57. Average fuel consumption	89. Door magnetic sensor
24. Crash detection	58. Fuel economy	90. BLE beacon presence
25. Eco-driving score	59. CAN fuel level	
26. Excessive idling event	60. GNSS fuel counter	**11. Device health & connectivity**
27. Overspeed event		91. GSM signal strength
28. Driver fatigue indicators	**7. Vehicle status parameters**	92. SIM card status
29. Rapid lane-change detection	61. Odometer	93. Network operator
30. Driver identification (RFID / iButton)	62. Gear position	94. Data usage
	63. Parking brake status	95. Device uptime
4. Vehicle electrical parameters	64. Clutch status	96. Firmware version
31. External power voltage	65. Accelerator pedal position	97. Memory usage
32. Internal battery voltage	66. Brake pedal status	98. Jamming detection
33. Battery charging current	67. Door open / closed	99. Tamper detection
		100. Device reboot / reset event

CALCULATE YOUR PROFIT BOOST

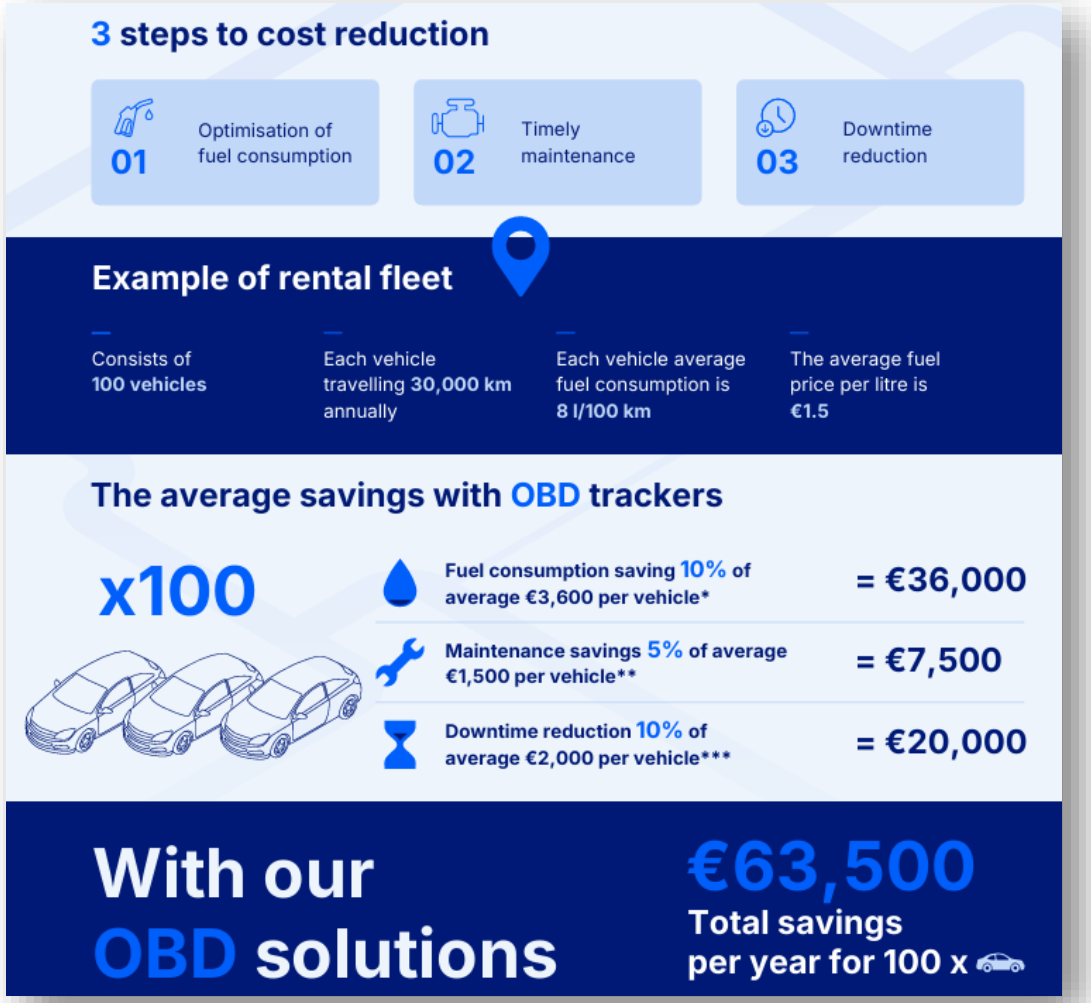
Unlocking Rental Fleet Savings with OBD trackers Solution

Problem:
Traditional fleet management leaves critical savings on the table regarding fuel, maintenance, and vehicle downtime, leading to an average fuel cost of **€3,600 per vehicle** and preventable annual expenses for an 80-vehicle fleet.

Our Solution:
Advanced OBD Solutions optimize the three core steps to cost reduction–**fuel consumption optimization, timely maintenance, and downtime reduction**–by providing real-time data to identify and eliminate operational waste.

Real-World Case Study:
An annual cost reduction of **€635 per vehicle** is achieved through a **10%** fuel saving, **5%** maintenance saving, and **10%** downtime reduction, resulting in a total of **€63,500** in yearly savings for a fleet of 100 vehicles.

* According to the U.S. Department of Energy
** Case study by Verizon Connect
*** Case study by FleetNews



CALCULATE YOUR PROFIT BOOST

Unlocking Commercial Fleet Savings with CAN trackers Solution

Problem:
Traditional fleet management leaves critical savings on the table regarding fuel, maintenance, and vehicle downtime, leading to an average fuel cost of **€9,000 per vehicle** and preventable annual expenses for an 80-vehicle fleet.

Our Solution:
Advanced CAN Solutions optimize the four core steps to cost reduction–**driving efficiency, fuel consumption optimization, timely maintenance, and downtime reduction**–by providing real-time data to identify and eliminate operational waste.

Real-World Case Study:
An annual cost reduction of **€1,150 per vehicle** is achieved through a **10%** fuel saving, **5%** maintenance saving, and **10%** downtime reduction, resulting in a total of **€92,000** in yearly savings for a fleet of 80 vehicles.

* According to the U.S. Department of Energy
** Case study by Verizon Connect
*** Case study by FleetNews

CALCULATE YOUR PROFIT BOOST

Driving Down Costs and CO2 emissions

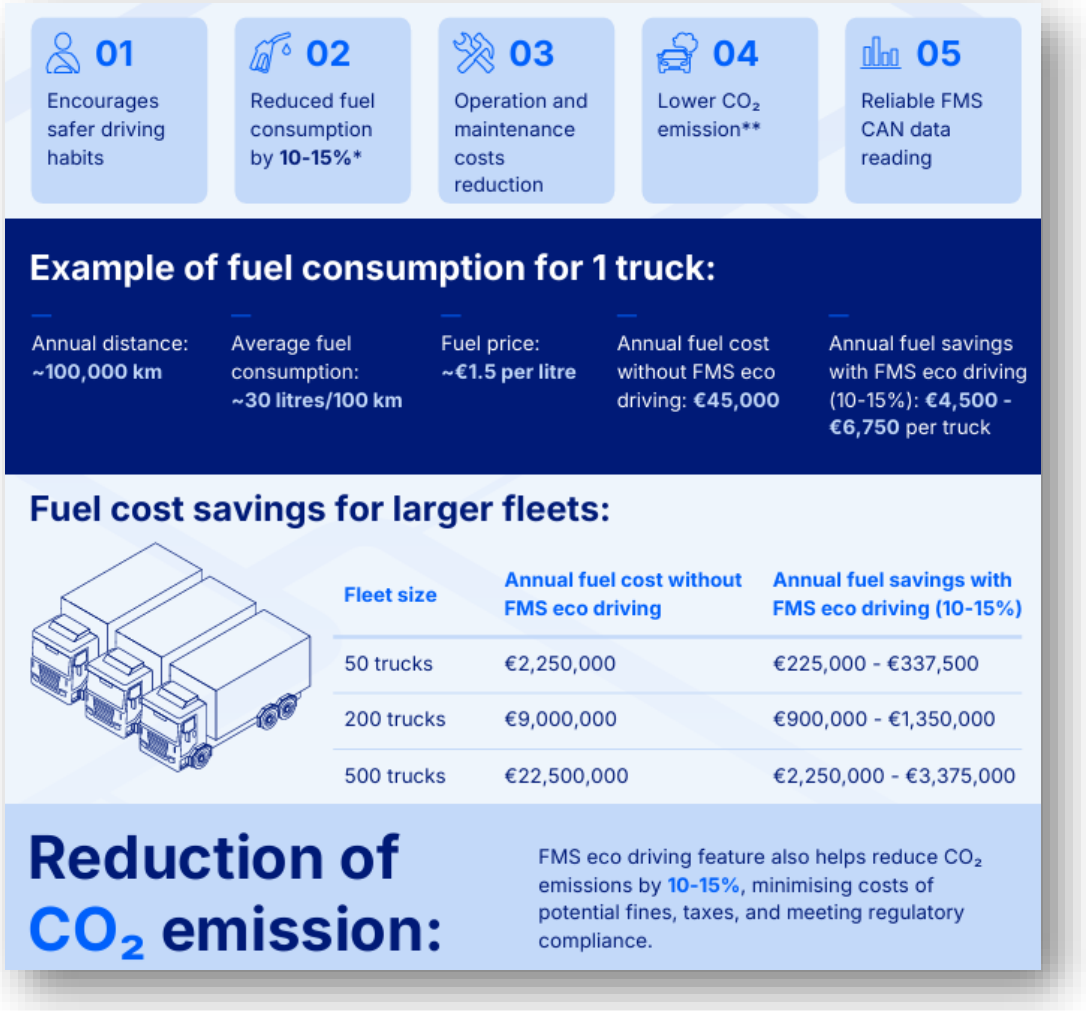
Problem:
Unoptimized driving habits and a lack of real-time data integration result in high truck fuel consumption

Solution:
Our FMS Eco-Driving and CAN data reading solution is a plug-and-play system that targets five core efficiency pillars–including a **10-15% reduction in fuel and CO2 emissions**–with minimal downtime during fleet-wide setup.

Real-World Case Study :
A massive yearly savings of up to **€3,375,000** for a fleet of 500 trucks can be achieved.

The Green Bonus:
Beyond direct fuel savings, our eco-driving feature **reduces CO2 emissions by 10-15%**, helping your fleet to achieve the "**ESG - Environmental, Social, and Governance**" targets

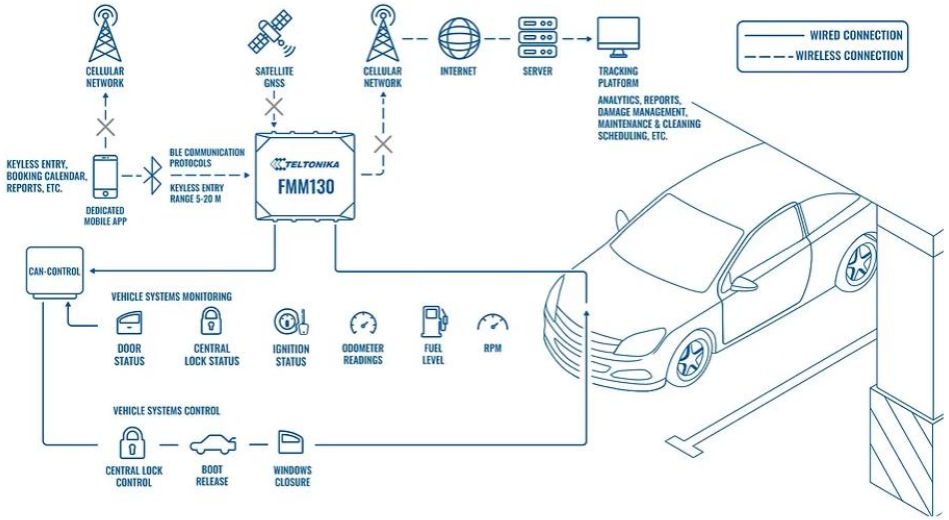
* The Traffic Injury Research Foundation
** The International Council on Clean Transportation



USE CASES - ADVANCED (CORPORATE) CAR-SHARING

Introduction

(Corporate) car-sharing combined with the latest technologies can benefit most businesses around the world. This is a globally expanding segment of the overall car-sharing market and its popularity grows tremendously. But it has its own challenges too. To assist companies to overcome the likely hurdles, Teltonika and Sollydida are ready to make a problem-solving contribution.



Benefits

24/7 virtual car key access:
Bluetooth® connectivity between smartphones and Teltonika trackers enables reliable keyless entry anytime, anywhere, while reducing physical touchpoints and hygiene concerns.

Enhanced driver experience:
Smart, tech-driven vehicle access improves convenience, safety, and overall user satisfaction, strengthening customer loyalty.

CAN bus data insights:
Real-time access to vehicle status and usage data supports better service quality, competitiveness, and profitability.

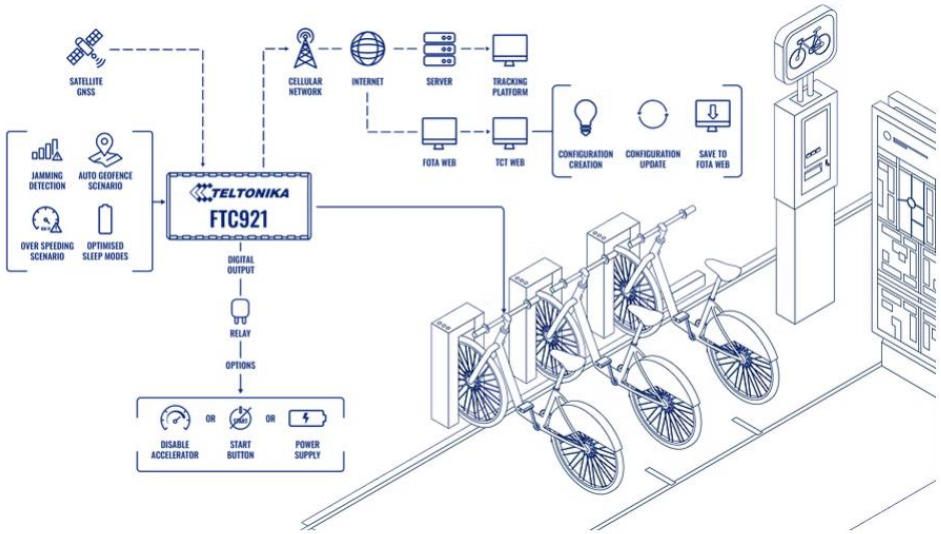
Efficient, transparent operations:
Full tracking of fleet vehicles and driver actions ensures accountability, optimized supply and demand, and smooth business performance.

Employee advantages:
(Corporate) car-sharing lowers personal travel costs and can serve as an added-value benefit when salary increases are limited.

USE CASES – GPS TRACKING FOR URBAN MOBILITY

Introduction

As urban landscapes evolve, so too do the challenges of maintaining reliable and accurate GPS tracking. The increasing density of tall buildings, or 'urban canyons', significantly disrupts satellite signals, making exact location tracking more difficult. This is particularly relevant for industries such as e-bike rental, where operational efficiency and customer satisfaction depend on uninterrupted GPS accuracy.



Benefits

Accurate tracking:
By connecting to up to 41 visible satellites, FTC921 model ensures accurate vehicle positioning, even in urban environments with high-rise buildings.

Improved operational efficiency:
Teltonika GPS device ensures real-time tracking of the e-mobility fleet, helping to optimise its use, noticeably reduce delays and improve customer satisfaction.

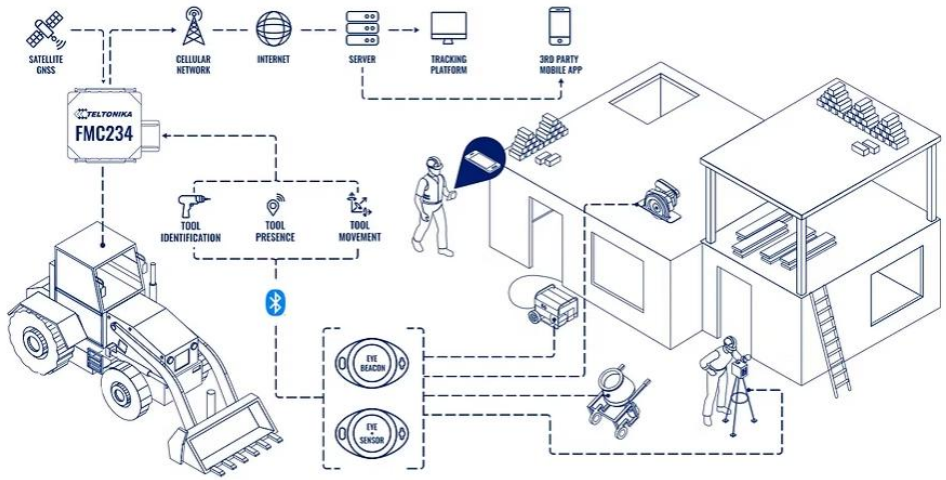
Power savings:
Optimised sleep modes reduce power consumption during standstill periods, helping to extend the life of the vehicle's battery.

Easy and fast integration:
Software solutions simplify fleet management and save time on setup and updates.

USE CASES – TOOL AND EQUIPMENT TRACKING WITH EYE DEVICES

Introduction

Efficient management of construction tools and equipment is essential to ensure projects run smoothly. By utilizing existing infrastructure - such as machinery equipped with Teltonika GPS devices or workers' smartphones - companies can manage their tools more effectively without significant extra investment. This approach can improve operational efficiency by ensuring that the right equipment is on-site when and where it is needed.



Benefits

Prevents delays and improves efficiency:
Real-time tracking ensures tools are on site, reduces search time, optimizes utilization, and minimizes workflow disruptions.

Reduces costs:
Better inventory visibility lowers unnecessary rentals, purchases, and equipment waste.

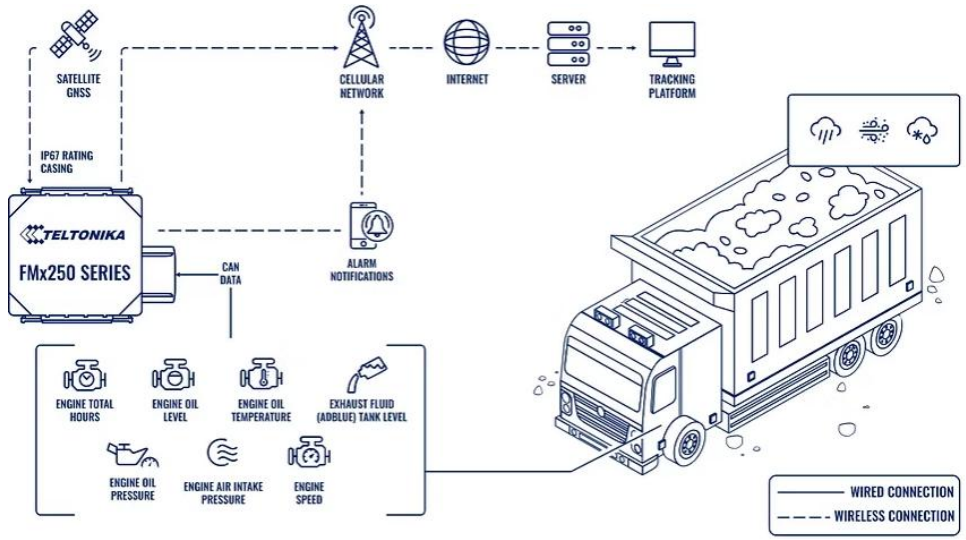
Easy, durable implementation:
Seamless integration with existing Teltonika GPS trackers and smartphones, supported by IP67-rated beacons with long battery life for demanding environments.

Enhances control and reduces stress:
Accurate location tracking provides full resource visibility, improving management oversight and accountability.

USE CASES – HEAVY-DUTY VEHICLE TIMELY MAINTENANCE WITH FMX250

Introduction

The global construction market is experiencing significant growth, driven by urbanization, population growth, and increased infrastructure spending. As the construction industry expands, so does the reliance on heavy-duty vehicles to support large-scale projects. As a result, the need for an efficient vehicle maintenance routine is paramount to ensure smooth operations and minimise downtime.



Benefits

Reliable Performance in Harsh Environments:
The IP67-rated FMC250 ensures dependable tracking in demanding construction conditions, being fully dust-proof and water-resistant.

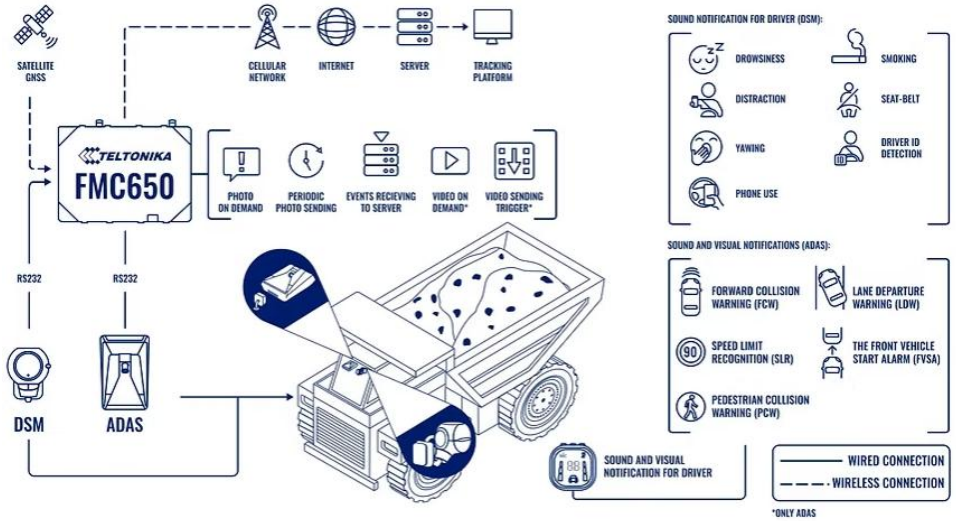
Proactive Engine Monitoring & Maintenance:
Real-time monitoring of engine parameters (temperature, air intake pressure, oil levels, engine hours) enables early fault detection, accurate maintenance planning, and timely intervention.

Reduced Costs & Increased Fleet Longevity:
Preventive maintenance minimizes emergency repairs and downtime, lowers repair costs, and extends the lifespan and reliability of heavy-duty vehicles.

USE CASES – TELTONIKA VIDEO TELEMATICS TO IMPROVE MINING SAFETY

Introduction

The global mining industry is projected to grow. This surge is fueled by infrastructure development, autonomous equipment adoption, and increased construction in key nations. Additional drivers, technological advancements, and increasing investment highlight the dynamic growth of the industry and the critical role of robust machinery, but they also bring challenges that need to be addressed.



Benefits

Advanced Driver & Road Monitoring:
Continuous analysis of driver behavior and road conditions helps predict risks, enforce safety protocols, and proactively prevent accidents.

On-Demand Front & Cabin Recording:
Photo and video access on demand enables real-time verification of incidents, improving accountability and simplifying claim investigations.

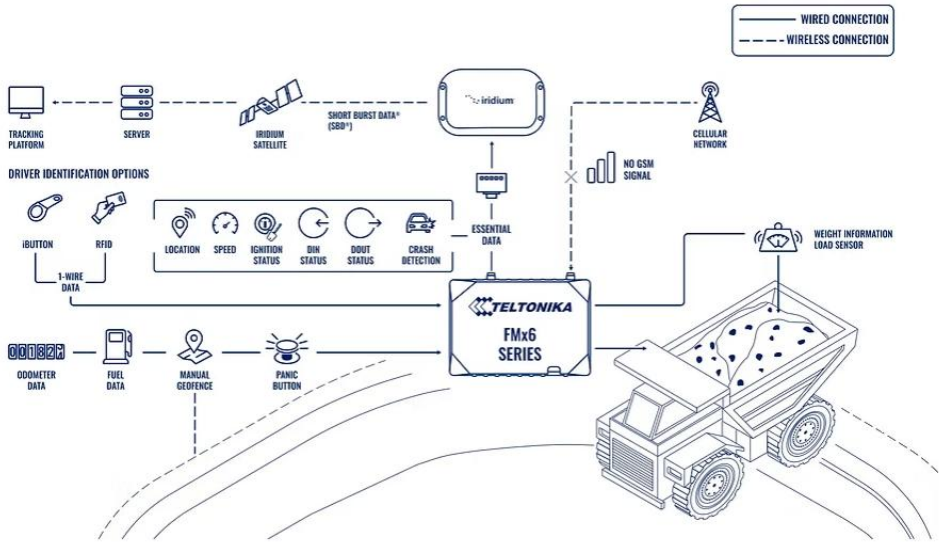
Instant Safety Alerts:
Visual and audible dashboard notifications immediately warn drivers of safety events, enhancing awareness and reducing reaction time.

Proactive Accident Prevention:
Ongoing monitoring and real-time feedback promote driver discipline, reduce costly errors, and significantly improve overall fleet safety.

USE CASES – MINING CARGO CONTROL

Introduction

Mining is a highly specialized industry that relies heavily on large equipment for its operations. Despite being quite unique and dealing with issues that other industries do not, mining companies can manage their daily activities seamlessly thanks to technology. GPS tracking devices will help to meet the challenges faced by the mining industry today while avoiding unnecessary costs and complications.



Benefits

Reliable Tracking & Efficient Cargo Delivery:
Accurate real-time tracking – even without GSM coverage – ensures continuous visibility, maximizes fleet efficiency, and supports uninterrupted mining operations.

Advanced Cargo Protection & Geofencing:
Custom geofencing and weight load sensors protect cargo by enforcing route compliance, preventing unauthorized movement, and ensuring precise load monitoring.

Operational Optimization & Cost Control:
Detailed insights into vehicle usage, idle time, and driver behavior enable route optimization, improved productivity, and significant cost savings.

Proactive Maintenance & Enhanced Safety:
Vehicle health monitoring supports preventive maintenance planning, reduces downtime, extends fleet lifespan, and strengthens safety compliance in demanding mining environments.

USE CASES – TAILOR MADE SOLUTIONS

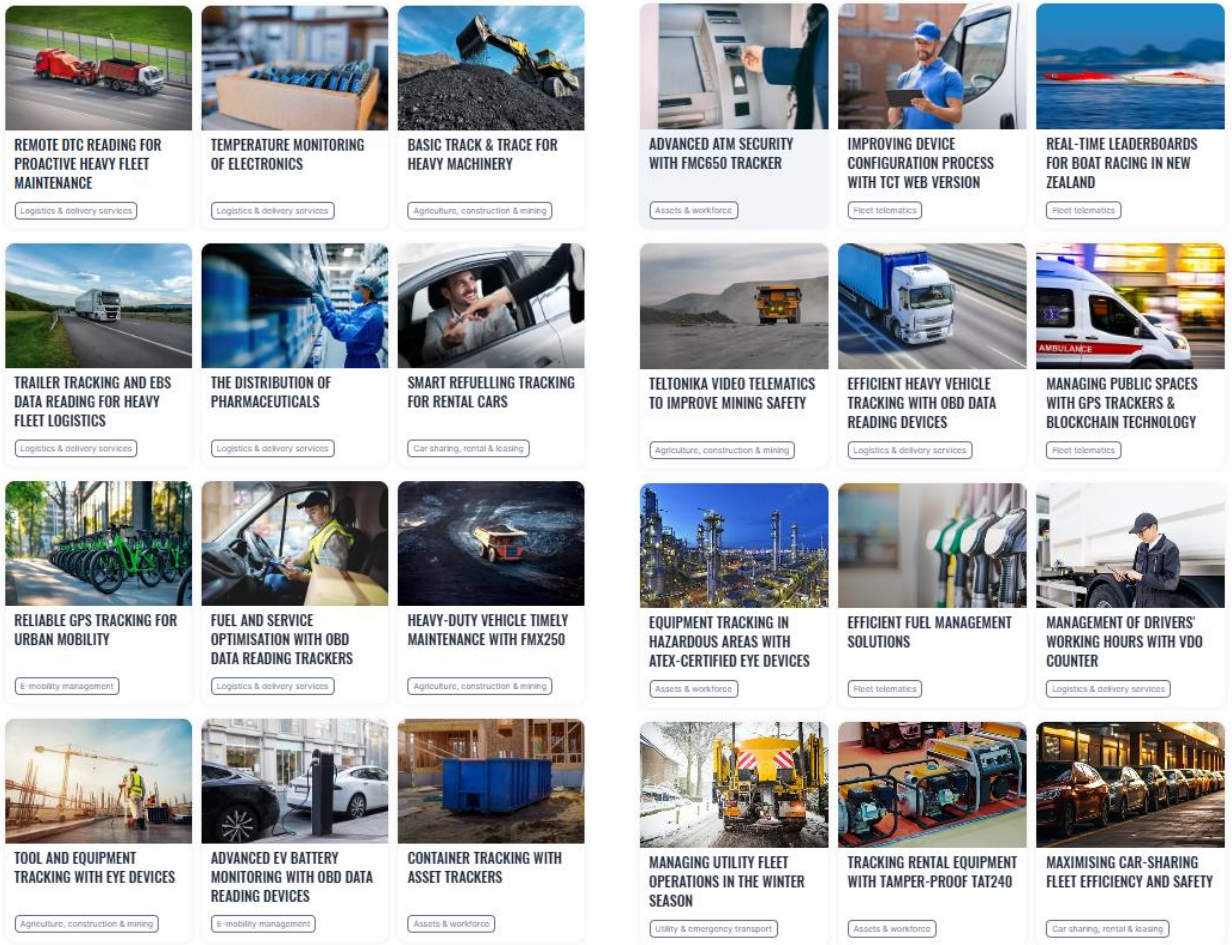
Introduction

We offer a truly end-to-end telematics capability built on the extensive and versatile portfolio from **Teltonika** Telematics. With 100+ configurable tracking and IoT solutions, **Teltonika's** platform serves virtually any use case – from basic asset tracking to advanced fleet management, driver behavior monitoring, video telematics, connectivity solutions, and more.

Together, **Teltonika and Sollydida's** expertise enable to craft fully tailored solutions that precisely match each customer's operational requirements to maximize their business value.

Benefits

By partnering with **Sollydida and Teltonika**, you're not limited to off-the-shelf options – instead, you get a unique, purpose-built telematics solution that meets your exact operational goals, scalability expectations, and performance needs.



POPULAR DEVICES – FMC003

The **Teltonika FMC003** is a cutting-edge, plug-and-play OBDII tracker designed for next-generation fleet management with the following key features and benefits

Instant OBDII Installation:
Plug directly into the vehicle's OBDII port within seconds, with no wiring nor cutting.

Advanced OEM Data Access:
Reads real odometer and real fuel level data directly from the vehicle's ECU, delivering accurate and reliable insights beyond standard trackers.

Future-Proof 4G Connectivity:
High-speed 4G LTE Cat 1 with automatic 2G fallback ensures stable coverage and long-term operational reliability.

Wireless Expansion via Bluetooth 4.0 LE:
Seamlessly integrates external sensors (temperature, humidity, fuel) and beacons without additional cabling.

Intelligent Safety & Security Features:
Built-in detection for eco-driving behavior (harsh braking, acceleration, cornering), crash and towing alerts, and anti-jamming protection to safeguard vehicles at all times.

Attribute	Specification
Dimensions	67.2 x 49.6 x 25 mm (L x W x H)
Weight	63 g
Power Supply	10–30 V DC (Compatible with most cars & trucks)
Backup Battery	170 mAh Li-Ion (Stays online even if unplugged)
Protection	IP41 Ingress Protection

POPULAR DEVICES – FMC650

The **Teltonika FMC650** is a professional-grade 4G LTE tracker designed for heavy-duty applications and complex fleet management solutions with the following key features and benefits

Advanced Data & I/O Integration:
It features a Dual-CAN interface for simultaneous reading of standard and manufacturer-specific vehicle data, supported by a comprehensive array of digital (DIN/DOUT 1-4) and analog (AIN 1-4) inputs and outputs.

Versatile Hardware Connectivity:
The device supports a wide range of peripherals via dedicated RS232/RS485 serial ports, an RJ45 connector, 1-Wire interfaces for power and data, and a USB port for seamless configuration.

High-Performance Wireless Communication:
It ensures reliable, future-proof tracking through LTE and GNSS connectivity—enhanced by gold-plated external antenna connectors—alongside integrated Bluetooth functionality for wireless sensors.

Attribute	Specification
Power Supply	8 - 32 V DC (compatible with diverse vehicle types, from cars to heavy trucks)
Current Consumption	Max 0.25 A
Internal Backup Battery	High-capacity internal NiMH battery: 8.4 V, 550 mAh (ensures it stays online if unplugged)
Built-in Storage	Clearly labeled as including an SD card slot for extensive offline data logging.

POPULAR DEVICES – FMC920

The **Teltonika FMC920** is a compact, smart, and reliable 4G LTE Cat 1 tracker designed for basic track-and-trace applications where space and cost-efficiency are paramount with the following key features and benefits

Future-Proof 4G Connectivity:
Reliable operation on 4G LTE Cat 1 networks with 2G fallback, ensuring longevity as older networks are decommissioned.

Compact Professional Design:
Its small footprint allows for easy installation in restricted spaces, making it ideal for cars, light commercial vehicles, and motorcycles.

Integrated Bluetooth 4.0 LE:
Enables wireless connection to external sensors (e.g., temperature and humidity) and hands-free headsets, expanding functionality without extra wiring.

Advanced Theft Prevention:
Features highly sensitive crash detection, towing detection, and unplug detection to keep assets secure.

Internal High-Gain Antennas:
Features built-in GNSS and LTE antennas, simplifying the mounting process by removing the need for external antenna cables.

Attribute	Specification
Dimensions	79 x 43 x 12 mm (L x W x H)
Weight	54 g
Power Supply	10–30 V DC
Internal Battery	170 mAh Li-Ion backup battery
Ingress Protection	IP54 (Protection against dust and splashing water)

HOW CAN YOU REACH US?

Sollydida for Engineering and Services

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