

Fuel management

Keep fuel under control, 24/7.

Fuel theft, wastage, and unauthorized use are persistent problems in many regions.

You can't explain why fuel consumption fluctuates across your fleet. Without accurate monitoring, it's impossible to know whether the cause is driving behavior, vehicle inefficiency, or even theft. You need to get to the bottom of things, discover what is happening across your fleet, and uncover opportunities to save on fuel and optimize operations.



How we help

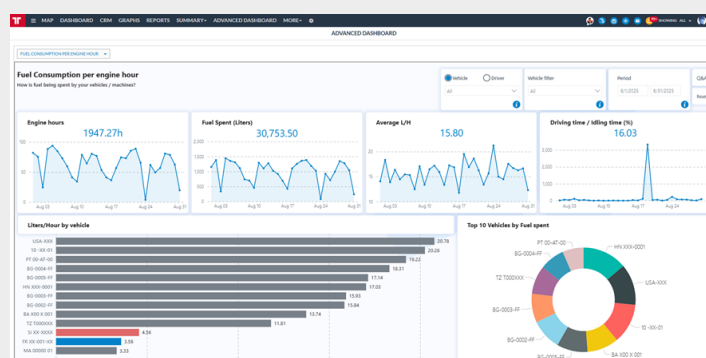
Fuel theft, wastage, and unauthorized use are persistent problems in many regions.

The Fuel management module provides you with the tools to ensure that all consumptions, refills, and drains are tracked and accounted for.

Working side by side with the Fleet cost management module, it ensures that every unit of fuel consumed is accounted for, allowing you to:

- Detect and prevent fuel theft and unauthorized usage.
- Identify and reduce fuel wastage.
- Measure CO₂ emissions of your combustion-engine fleet and monitor reductions as you integrate EVs and natural gas vehicles.
- Compare actual consumption with receipts or imported fuel cost files for greater accuracy.

This integrated approach helps you confidently manage one of your fleet's main expenses as you pave the way for a more sustainable future.



Benefits

Provides data-driven insights to optimize fuel efficiency

Track fuel levels and consumption permanently. Gain detailed insights into every refueling or draining operation.

Enhances operational efficiency through fuel monitoring

Monitor fuel consumption patterns to quickly identify anomalies such as unexpected drops, abnormal charging or refuelling volumes, or possible leaks. This lets you act promptly and prevent fuel theft, fraud, and operational inefficiencies.

Ensures compliance and prevents unauthorized refueling

Receive alerts whenever a vehicle is refuelled at unauthorized stations, ensuring compliance with your company's fuel policies and reducing unnecessary costs.

"We've experienced a 12% reduction in fleet costs, productivity has increased, and customer support is much easier to handle."

Mersi Sadić
Transport Manager at P2P Transport - Slovenia

How it works

Frotcom integrates fuel sensors, fuel monitoring tools, and GPS tracking to provide a comprehensive fuel management solution. It utilizes fuel level sensors installed in each truck's tank to monitor fuel consumption effectively.

Frotcom supports various fuel sensor types that differ in size and measurement accuracy. While it can also work with factory-fit fuel sensors, these are generally not precise enough to detect small fluctuations of 2-5%.

With the Fuel management, you can retrieve:

- **Fuel level in the tank** – measured as a percentage and converted into liters or gallons, based on each vehicle's tank capacity.
- **Fuel refills and drainages** – automatic detection of sudden increases (refueling) or decreases (possible fuel theft or loss).
- **Fuel consumption** – calculated via CANBus data (Total Fuel Used) or fuel sensor readings, depending on your vehicle setup.
- **Average fuel consumption** – tracked by distance or by period.
- **CO₂ emissions tracking** – monitor and report fleet emissions, comparing combustion vehicles.

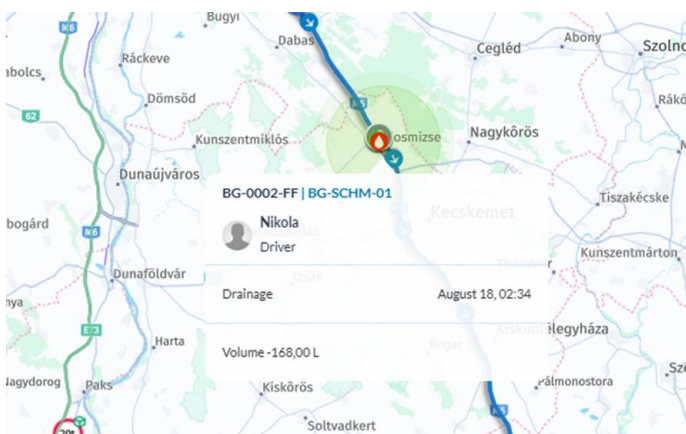
To help you act quickly and accurately, Frotcom provides:

- Alarms – instant alerts for sudden changes in fuel level.
- Graphs and reports – detailed visualizations to verify refueling and detect anomalies.
- Driving behavior monitoring – insights on how idling, speeding, or aggressive driving impact fuel or energy costs.
- Dashboard KPIs – track efficiency and progress toward cost-reduction and sustainability goals, as well as your fuel-related costs, and compare them with your drivers' driving behavior.

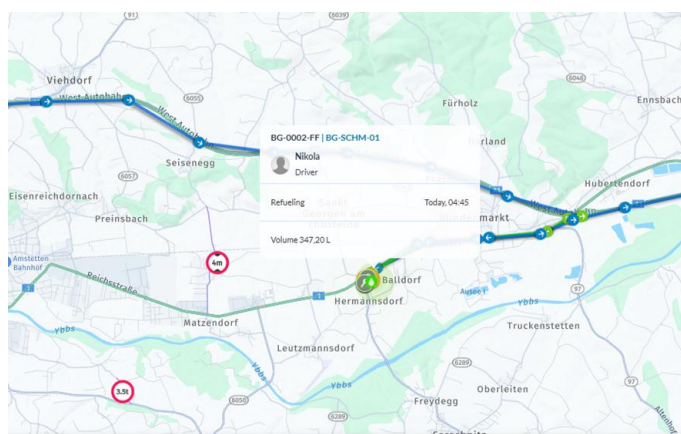
Additionally, the Fleet cost management module, allows you to compare recorded refueling or recharging volumes with the values reported in cost notes (receipts, fuel files, energy invoices, etc.).

For added security, you can install a fuel filler security accessory in each tank, preventing fuel theft by syphoning while still allowing for tank refilling.

Drainage example



Refueling example



Other related features you might be interested in

- Fleet cost management
- Remote vehicle immobilization
- Advanced dashboard
- Driving behavior analysis
- GPS vehicle tracking and sensor monitoring

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