Vigilo

Transit buses · United States

Fleet management for transit buses

All your buses tracked in real time, with every rider counted stop by stop, your routes and drivers, and the accessories that save the most, on one platform.

- Real-time tracking
- Passenger counter
- Cameras and Driver APP



-15 %
fuel consumption*

+15 %
productivity*

-15 %
overtime hours*

-10 %
miles driven*

THE PLATFORM

The most complete control over all your buses

All your fleet data in one dashboard: what is happening right now and what happened today, this week or this month.

Real-time tracking

Every vehicle on the map, with its location, status, speed, distance traveled and much more.

Detailed trip reports

Departure and arrival times, average and top speed, stops made and the duration of each stop.

Trip history

Each vehicle's routes on the map, with past dates, times and trips.

Driver ID

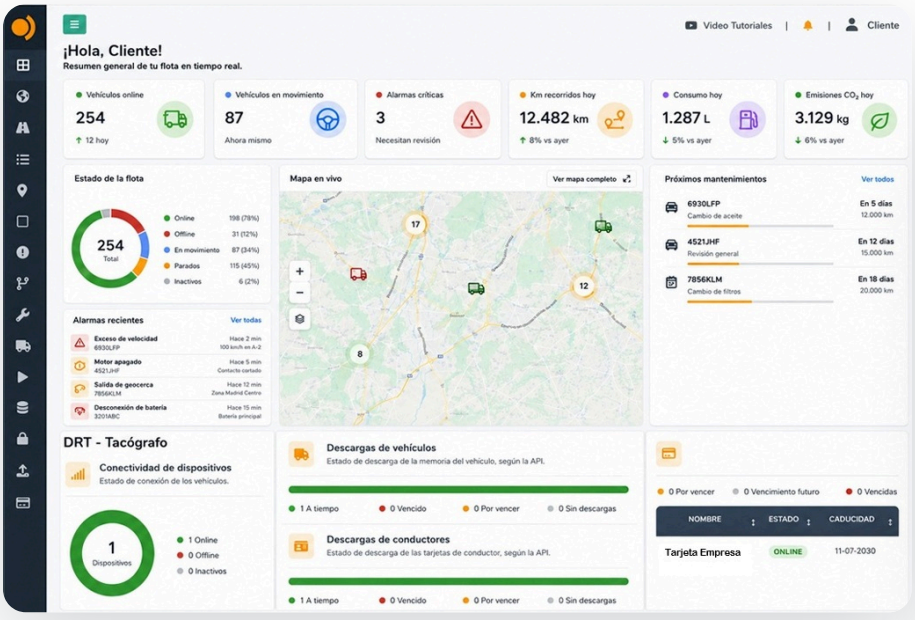
Which driver is behind the wheel of each vehicle, in real time and in the trip history.

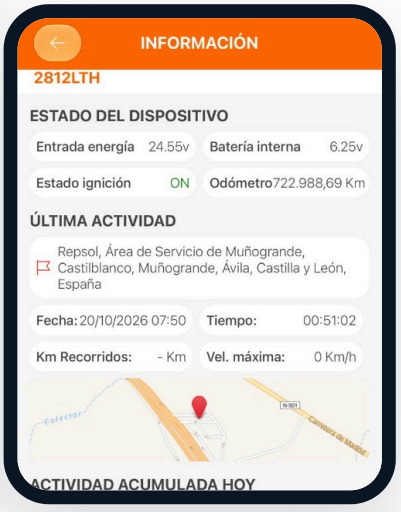
CANBUS data

Fuel use, tank level, RPM, engine hours and odometer from the vehicle, alongside GPS trips.

Access from anywhere

Web platform and app to monitor your entire fleet 24 hours a day, 365 days a year.





PASSENGER COUNTER

Every rider counted, stop by stop

A 3D sensor above each door counts boardings and alightings and sends the data to the Vigilo platform with the stop, time and GPS position of the bus. Plan service frequency better and keep fare revenue under control.

98 %
maximum accuracy*

3D
binocular depth vision

24 h
day and night, in any light

Live
riders and GPS position



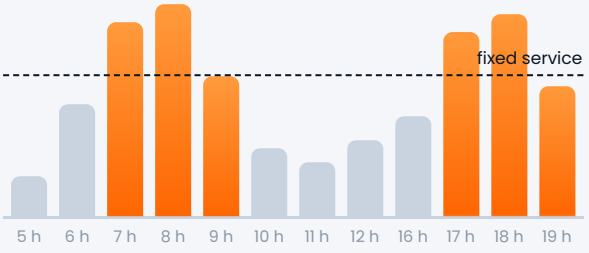
1 The door opens
The counter receives the door-open signal and starts counting automatically.

2 It counts in 3D
Two cameras measure each person's height, volume and direction: it knows who boards and who exits.

3 It sends the data
Boardings, alightings and load reach the platform, stop by stop.

Service that matches real demand

Route 27 · riders per hour (example). Add trips at rush hour and cut runs with empty seats.



Fare revenue control

Daily reconciliation by bus (example): counted riders vs. validated fares.

Bus	Counted	Validated	Not validated	%
Bus 104	612	605	7	**1.1 %**
Bus 117	585	531	54	**9.2 %**
Bus 122	640	634	6	**0.9 %**
Bus 130	498	451	47	**9.4 %**

≈ 900
fares / bus / month

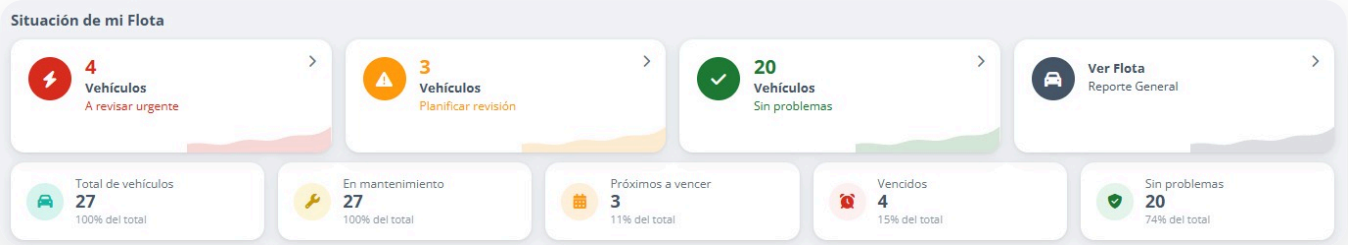
If a bus carries 600 riders a day and just 5 % don't pay, that is 30 unpaid fares a day: about 900 fares a month per vehicle. Multiply that by your fleet and your fare.

* Accuracy depends on the door type, mounting height and passenger flow. You need one counter for every door riders use to board or exit. Table and chart: illustrative examples, not real customer data.

PREVENTIVE MAINTENANCE

Your bus maintenance, up to date and never missed

Vigilo keeps track of the mileage, engine hours and dates of every bus and alerts you before each service. At a glance you see which vehicles need service now, which to schedule and which are in good shape.



Alerts by miles, hours or date

Every schedule runs on the actual mileage and engine hours from the tracker, not on estimates or spreadsheets.

Nothing goes overdue

Oil, filters, tires, brakes, state inspection: alerts before each due date.

Full history for every bus

Every job is logged with its date, mileage and cost: useful for warranties, audits and when you sell the vehicle.

Fewer road calls

A part replaced on time won't leave the bus stranded in the middle of a run.

Scheduled shop visits

Service is planned when it disrupts the least, not when the vehicle breaks down.

Safer passengers

Brakes, tires and steering checked on time: safer for drivers and passengers.

Where you save by keeping maintenance up to date

1. **Cheaper repairs**
   Scheduled service costs less than an emergency repair: parts at regular prices, no rush fees and no knock-on damage to the engine or transmission.
2. **No tow trucks or roadside calls**
   No towing and no sending a mechanic out to wherever the vehicle broke down.
3. **No missed runs**
   No spare buses, no canceled or subcontracted runs and no passengers waiting because of a breakdown.
4. **Less downtime**
   Drivers aren't left waiting around and the shop works by appointment, with no overtime.
5. **Less fuel**
   Clean filters, fresh oil and proper tire pressure help keep fuel use under control.
6. **Vehicles that last longer**
   Less wear on the engine, brakes and transmission, and a full service record that protects resale value.
7. **No fines or out-of-service orders**
   Inspections on time: no fines and no vehicles sidelined by expired paperwork.

16,330 US$
a year in the example

"Mileage and maintenance" line in the calculator on this page: 10 % fewer miles and related costs in the example of 10 vehicles. On top of that, every breakdown avoided.

ACCESSORIES

CANBUS and cameras, on one platform

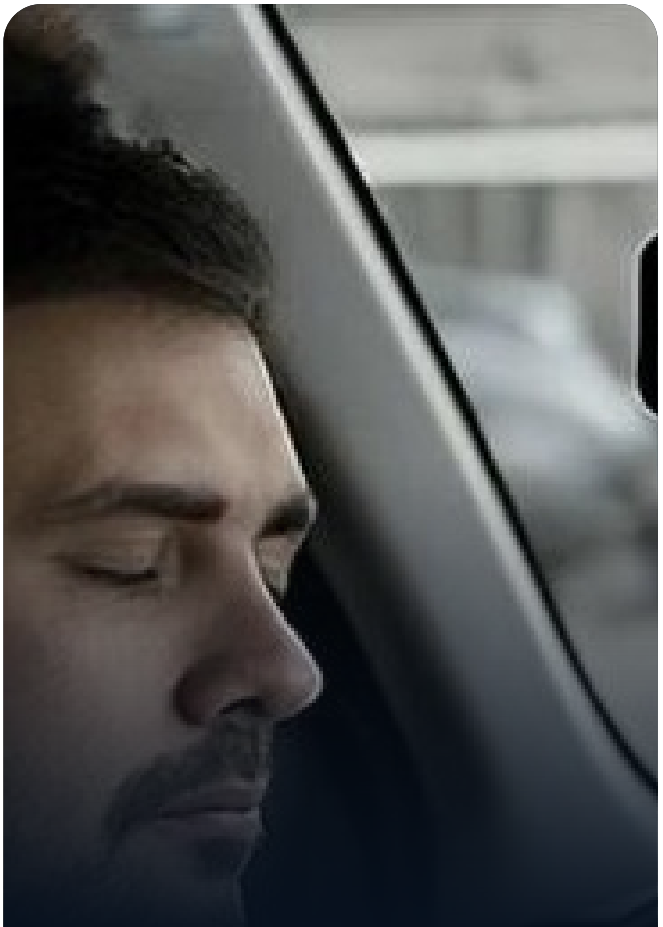
Engine data from every bus and live video of the road and the driver seat, with the same Vigilo tracker.



CANBUS data

Fuel use, tank level, RPM, engine hours and odometer from the vehicle's computer, alongside GPS trips.

- Instant and total fuel use, fill-ups and abnormal drops
- RPM, temperature, engine hours and odometer
- Idling, hard acceleration and braking alongside GPS



Online cameras

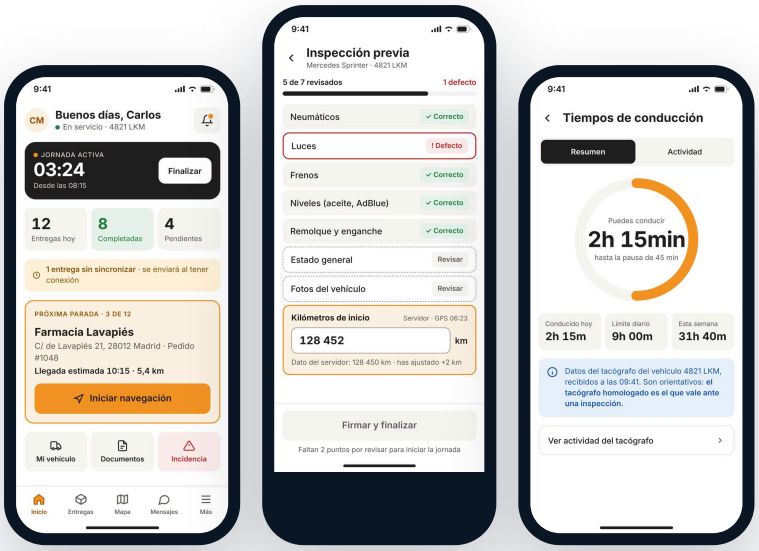
The road and the driver seat live, with video alerts for collisions, fatigue and distraction.

- Live video over 4G
- ADAS alerts for collision, lane and distance
- DMS: fatigue, phone use and distraction, with video

DRIVER APP

The driver's workday, connected to your fleet

Start of shift, vehicle inspection, hours of service, documents and incidents on the driver's cell phone, with data from the GPS tracker already installed in your vehicles.



1 Assigned vehicle, verified miles

The driver sees the vehicle assigned by dispatch and confirms the mileage from the tracker.

2 Paperless pre-trip inspection

Pre-trip checklist with defects, notes and photos before the shift starts.

3 Hours and documents at hand

Time until the next break, daily and weekly driving, and documents with expiration dates.

4 Incidents and messages with dispatch

Alerts with photos and location, quick replies and an SOS button.

Driver APP

Fewer calls to dispatch, paperless inspections and mileage verified by GPS. More details and its own calculator at vigilogps.com/driver-app.

SAVINGS

How much you save with GPS and the passenger counter

Two ballpark examples worked out with the calculators on this page. Replace them with your own fleet data at vigilogps.com.

With GPS (example: 10 buses)

Fuel	-8 %	$44,790
Mileage and maintenance	-10 %	$16,330
Overtime	-15 %	$10,498
Total per year		$71,618

With the counter and accessories (example on this page)

Counter: fares recovered	$37,440
Counter: manual ride checks avoided	$5,760
Driver APP: calls, paperwork and reports	$50,400
Online cameras: incident handling	$3,240
Total per year	$96,840

≈ $168,458
a year in the examples

saved per year with GPS, the passenger counter and accessories in these examples.

Service that matches demand
The counter shows where and when you need more buses.

Fare revenue under control
Counted riders vs. validated fares, bus by bus.

Safer operations
Video and alerts for collisions, fatigue or distraction.

HOW WE CALCULATE IT

The example numbers, one by one

Where you save per year in the examples

Fuel	**$44,790**
Overtime	**$10,498**
Counter: manual ride checks avoided	**$5,760**
Online cameras: incident handling	**$3,240**
Mileage and maintenance	**$16,330**
Counter: fares recovered	**$37,440**
Driver APP: calls, paperwork and reports	**$50,400**

EXAMPLE DATA

GPS (WEBSITE CALCULATOR)

Type	**Transport**
Number of vehicles	**10 units**
Miles per vehicle per month	**5,592 mi**
Average fuel economy	**7.4 mpg**
Fuel price per gallon	**6.13 US$/gal**
Overtime hours per driver per month	**30 h**
Cost per overtime hour	**19.44 US$/h**

PASSENGER COUNTER

Buses with a counter	**10**
Riders per bus per day	**600**
Fare evaders recovered	**1 %**
Average fare	**$2.00**
Manual ride-check hours saved per month	**16 h**

DRIVER APP

Drivers using the Driver APP	**20**
Minutes saved per driver per day	**20 min**

ONLINE CAMERAS

Incidents a month resolved with video	**3**
Admin hours saved per incident	**3 h**

YOUR STAFF

Hourly cost of your staff	**$30**

* Average figures from Vigilo customers; results vary by fleet and use. The savings examples are ballpark figures, not real customer data. Calculate yours on our website with your own data.

Want to see it with your buses?

We will set up a demo and a tailored proposal with the GPS, passenger counter and accessories your fleet needs.

STEP 1

Demo

We show you the platform, the counter and the app with real fleet data.

STEP 2

Proposal

Together we choose the tracker, counters and accessories for each bus.

STEP 3

Installation

We install the hardware and your buses show up on the platform from day one.

Request your demo at vigilogps.com

Scan the code to see our bus fleet management page and calculate your savings.

vigilogps.com/transit-bus-gps-tracker

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