

Driving behavior analysis

Few things impact your fleet's costs as much as driving behavior.

Knowing how your vehicles are being driven can improve **driving behavior**. This will immediately result in decreased fuel costs, gas emissions, maintenance costs and road accidents.

For most vehicles on the market today, the impact of eco-driving (efficient driving) compared to aggressive driving on fuel consumption can exceed 30%. Some studies have also shown that average fuel consumption in a fleet of trucks or vans can decrease by as much as 7% when appropriate driving behavior is implemented. Huge cost savings!

FROTCOM

MAPSUMMARYMORE

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SHOWINGNorthern Vehicles

DRIVING BEHAVIOUR

LAST MONTHCLASSIFY VEHICLESFILTERS APPLIEDType to filter

Vehicle	Driver	Score	Score	Score	Score	Score	Score	Score	Score	Mileage (km)	Driving Time (h:mm)	Avg. Cons. (L/100km)
PT 00-AT-00	Antonio	50.0								130.9	1:56	30.9
RO XX-00-XXX	Ciprian	5.9								1203.9	12:45	27.9
CY XX0000	Michail, Andreas	6.5								678.4	4:34	29.4
IO 0000X000	Fancy	6.6								345.0	2:12	34.0
PT 00-AT-02	Jolo	6.2								2046.8	544:34	30.8
RO XX-00-XXX	David	5.9								1233.7	13:14	33.7
CY XX0002	Miguel	6.9								333.8	2:18	33.8
IO 0000X002	Fernando	6.2								2376.9	25:12	37.9
CY XX0003	James	6.8								2435.4	34:56	35.4
IO 0000X003	Kim	6.4								2545.0	29:59	25.0
PT 00-AT-12	Louis	3.3								2342.2	24:34	34.2
IO 0011XX1234	Bob	3.9								567.5	3:59	41.5
CY 1234TR67	Jeff	3.4								544.7	4:40	40.7
RO YY-00-871	Ted	3.5								2414.3	16:30	34.3
CY 1234TR67	Jeff	3.4								544.7	4:40	40.7
RO YY-00-871	Ted	3.5								2414.3	16:30	34.3

How we help

You understand the impact driving behavior can have on your fleet's running costs. How do you ensure your vehicles are driven in accordance with efficient driving recommendations?

With the help of Frotcom's Driving Behavior module, you can significantly reduce these costs. Monitor how your vehicles are being driven and help drivers improve their driving behavior. At the end of the day, you will see clear and measurable results.

You will know every step of the way how your vehicles are being driven with Frotcom's Driving Behavior Analysis. This module monitors acceleration and braking, idling, and, in some cases, over-revving (RPM) and cruise control usage, key factors that influence fuel efficiency and driving performance.

Your drivers receive a score based on their driving behavior. This allows you to train, measure, reward, and coach drivers to achieve maximum performance and promote consistent, efficient driving

Benefits

Reduce fuel consumption

Average fuel consumption in a fleet of trucks or vans can decrease by as much as 7% by implementing appropriate driving behavior.

Reduce accidents

Some studies find that the impact on the number of accidents is even larger; 70% reductions have been reported.

Reduce wear and tear

By avoiding aggressive driving, your vehicles will be safer from wear and tear, meaning lower maintenance costs and fewer downtimes.

Reduce costs

In the end, you will spend a lot less on your fleet in fuel, tires, maintenance and accident claims/insurance.

Reduce your carbon footprint

Last but not least, Frotcom can also help you reduce your carbon footprint by reducing mileage and improving driving behavior.

"Frotcom is fully in line with our needs to have a total control of our fleet and has helped us in our effort to minimize our fleet's emissions, too."

Philio Michael
HR Administrator at TNT Express - Cyprus

How it works

Each time a driver accelerates or brakes harshly, an alert is sent to Frotcom's Data Center as part of the driving behavior analysis process.

Additionally, information about over-idling (excessive time with the engine on and no vehicle movement) is collected. For most trucks on the market—and for some buses and construction machinery that support the CAN bus standard—Frotcom can extract information on over-revving (excessive RPMs), engine temperature, and cruise control usage.

Frotcom then ranks drivers according to the frequency and duration of these events. You can fine-tune the ranking criteria by assigning different weights to each variable in the final calculation.

For each driver and vehicle, you can also inspect and share detailed information on every driving variable. This helps both fleet managers and drivers better understand how vehicles are being used, identify typical excesses, and determine which driving habits need to be corrected.

Remember that the difference between good driving (also known as eco-driving or efficient driving) and aggressive driving results in significant reductions in fuel costs, emissions, accidents, and maintenance.

For better results

To maximize your results, train, measure, reward, and coach:

1. Explain to drivers the importance of economical and ecological driving behavior, highlighting benefits such as cost reduction, lower environmental impact, increased vehicle uptime, and fewer accidents.
2. Inform drivers that driving behavior will be monitored and reported by Frotcom to detect excesses.
3. Train drivers in eco-driving and efficient driving techniques. If in-house expertise is not available, professional driver training providers can support this process.
4. Review Frotcom's Driving Behavior module weekly or monthly and analyze the results.
5. Place the names of the best drivers (for example, the top five) on an honor board and consider symbolic or tangible rewards.
6. Support drivers with poorer driving records through one-on-one meetings to discuss their driving patterns and the impact on fuel consumption, maintenance, emissions, and accident risk. Always seek to understand the underlying causes.
7. Repeat this process regularly and track progress over time.

Devices and accessories

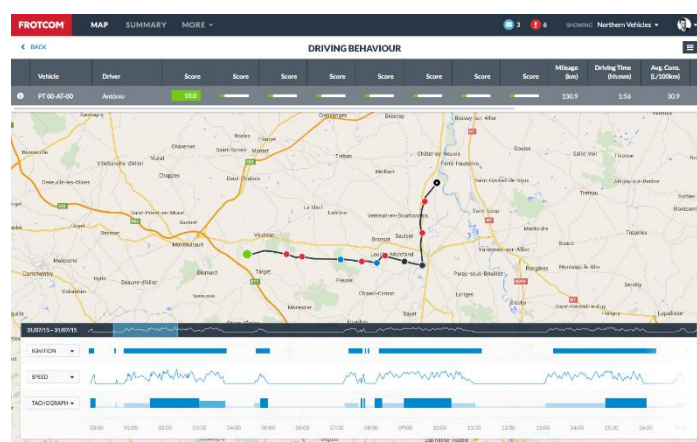
Driver Fatigue Monitor

With this system, it is possible to receive alerts when the hardware detects a Fatigue or Distraction event from the driver.

Other related features you might be interested in

- Automatic driver identification
- Fleet management dashboard
- Driving times monitoring
- Fuel management
- Mobile workforce management
- Driver coaching

Analysis of driving behavior



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