EcoDriving

The solution for driver behavior control

JAXICLOUD

What kind of business needs EcoDriving?

Almost any!

Renting services	Taxi fleet	Insurance companies	Transport operators	Your business
The fewer vehicles are used to the maximum and need repair, the wider choice has the client, and the more vehicles are daily at work	Rides with watchful drivers turn one-time clients into long-term ones	GPS data explain the cause of the accident and help to assess risks before the renewal of the insurance coverage	Absence of accidents means a safe supply chain	You will witness the results in 1 month

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What are EcoDriving benefits?

Where does the money go?

✓ Traffic fines   ✓ Forfeit   ✓ Maintenance/repa   ✓ Fue

The slower you go, the less you pay or why EcoDriving is useful

We do not guarantee 100% protection from traffic fines. We suggest you get the drivers to behave more carefully and minimize them.

Your savings become your profit

Pushing the gas pedal to the floor means doing the job faster. Also burning the fuel at lightning speed, "wasting" the vehicle, and damaging the cargo.

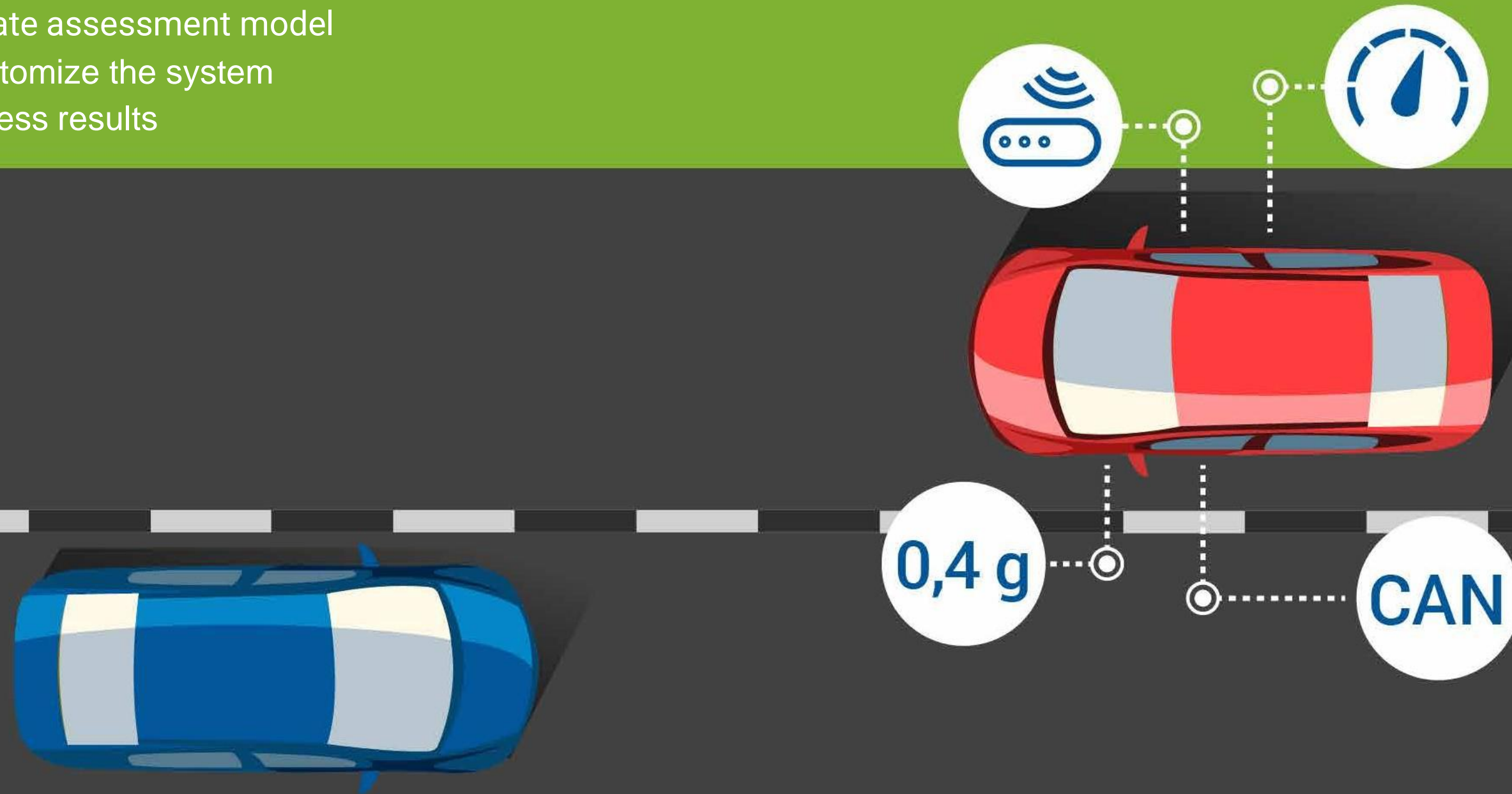| **Fewer**	**Cheaper**	**Confident**	**Less**	**Less frequent**	**Safer**
traffic tickets	minor violations	with GPS data on your side	fuel consumption	critical breakdowns	cargo, passengers, drivers, nerves

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How it works?

0. Create assessment model
1. Customize the system
2. Assess results

0,4 g

CAN

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Step 1. Create assessment model

1 Select the parameters to control:
speeding, acceleration, braking, cornering,
reckless driving.

2 Show the system which values are to be
considered a violation.
For example, if the system gets the "Acceleration"
parameter with the values starting from 0.4 g, it
means a severe violation.

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3 Add custom criteria
In this case, any value of any sensor can be viewed as a violation: from increased engine speed to the wrong gear

Add a new criterion

Criterion: *	Custom
Name: *	Cabin temperature
Sensor: *	Temperature sensor
Min/max value:	35 / 100
Penalty: *	2000
Validator:	None
Averaging:	By mileage
Min/max duration:	sec
Min/max speed:	km/h

Cancel Save

4 Set the fine for each violation
Penalty points are used to rank the drivers while creating the rating

Add a new criterion

Criterion: *	Acceleration, g
Name: *	Acceleration: extreme
Min/max value:	0.4 / 1
Penalty: *	2000
Validator:	None
Averaging:	By mileage
Min/max duration:	sec
Min/max speed:	km/h

Cancel Save

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Step 2. Customize the solution

The number of criteria is unlimited, that's why we can create a customized assessment model for your company, individual vehicle, or region.

1. Capture unusual violations from the sensors data

2. Rank the violations by their severeness

N parameters in a message = **N violations**

Acceleration	Violation	Fine
5-10 km/h	Minor	500 scores
11-15 km/h	Moderate	1,000 scores
16-300 km/h	Severe	5,000 scores

3. Set additional parameters for exceptional circumstances

4. Create a fair rating with the help of averaging

For example: The truck is full
· Install the axle load sensor that will show that the truck is full
· Make it the validator sensor in JaxiCloud
· **Activate multiplicator option**: if the truck moves under load, additional penalty points are given for each violation because the driver damages not only the vehicle but the cargo as well.

For example:
The driver Max got 5 violations for the whole day.
The driver Zach got the same number of violations having driven to the shop just a few blocks away.

300 km = 5 km

10 violations   10 violations

The averaging by time or mileage spent while traveling will help to see the real situation. In this case, the total number of penalty points is divisible by each kilometer or minute of the ride.

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Step 3. Assess results

In Eco Driving web application
This interface was designed to view EcoDriving overall score for a specified period or a particular ride. Here, you can also view the comparative information from all vehicles. Besides, the app sums up individual rides in the graph, features violations list and markers
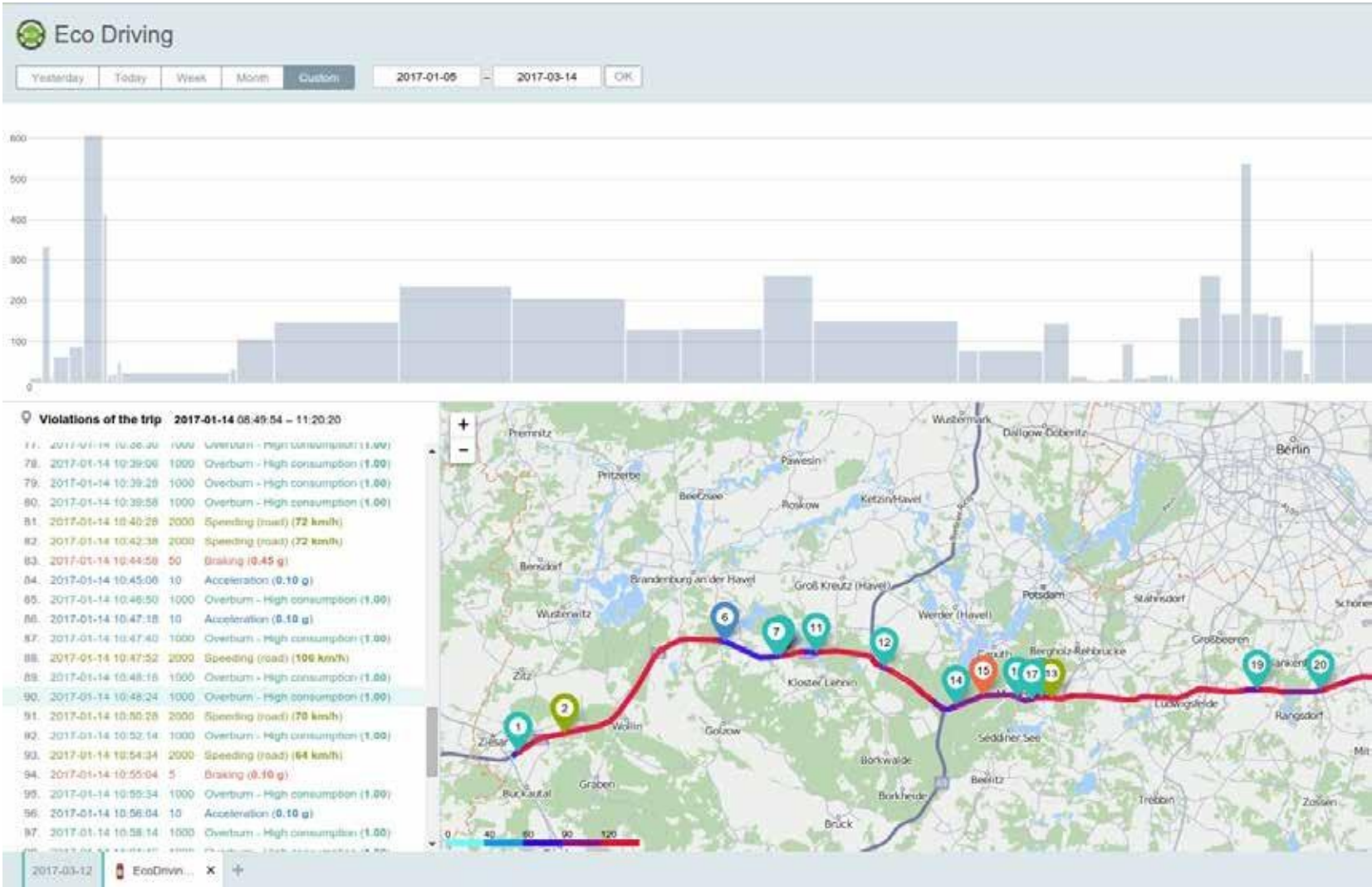on the map

In reports
"EcoDriving" table specifies each violation: what happened, where, when, and who was driving. Here you will find the score, the driver rating, and 12 other parameters

In notifications
In case of custom criteria violation, all persons concerned get an mail, SMS, or a pop-up message in the system interface.

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We tempt fate
When you exceed the average speed of the flowby 1 km/h, the accident risk increases by 10- 15%. While exceeding by 10 km/h, the number of accidents increases drastically.

We watch the column of flames
When two light vehicles get into an accident, we see two grieving men. When a 30-tons fuel tanker gets into an accident, we see the column of flames several kilometers away. This is beautiful, expensive, and sad. If you control speed, gear shifting, heavy braking, acceleration, and cornering, you can save up to $150,000 per accident or at least identify the ones to blame.

We don't give a damn about ecology
The driver pedals to the metal and discharges more CO_2. JaxiCloud will calculate the exact amountof discharge and show how you should drive
to reduce it. The French, for example, can't do without it. And if you don't care, just purchase another six-liter G-Wagon.

We "waste" the critical vehicle parts
The frequent ''gas-brake-gas'' shifting increases the clutch system deterioration in case of slamacceleration and braking system deterioration in case of dead halt.

We lose Shell
Shell uses third-party fleets that must be connected to a GPS monitoring system. The oil major recommends using only three systems in the world and JaxiCloud is one of them. Shell picked JaxiCloud because of its EcoDriving module. So, ifyou don't control the driving quality, forget aboutconnecting the fleets of this oil company.

We burn the fuel all out
All-wheel drive car burns much fuel, so they turn this option only under off-road conditions. If you don't control the 4x4 turning on in the city and on the highway, you can't call your driving fuel-efficient.

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