

# CIRCUNSPECTOR



kloudip

## WHO MAY NEED CIRCUMSPECTOR?







#### **CAR RENT AND LEASE**

Give discounts to diligent drivers and penalize the reckless ones. As a result, more vehicles will be available to clients, and fewer cars will idle at the service station.



#### **TAXI FLEETS**

If a small taxi service wants to compete with Uber and PickMe, why not make driving safety their top priority and unique feature?



#### TRANSPORT OPERATORS

By preventing accidents, the company ensures an uninterrupted supply chain and avoids delay fines.



#### **INSURANCE COMPANIES**

Use driving quality data to identify the causes of accidents, adjust rates for diligent drivers, and ensure a more precise risk assessment.



#### **PARENTS**

Check how teen drivers behave on the road, can head to them in case of an accident, or train young drivers depending on what mistakes they make.









# FEWER

traffic tickets and fines

LOWER

fuel consumption



critical breakdowns



Cargo, passengers, nerves





# **GETTING STARTED WITH CIRCUMSPECTOR**



**PLACE A TRACKER** 

with an accelerometer in your car.

**REGISTER THE VEHICLE** 

in the system.

**CREATE AN ASSESSMENT MODEL** 

and customize it to specific tasks.

**ASSESS DRIVING QUALITY** 

via reports, charts, or violation lists.



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



## STEP 1: CREATE ASSESSMENT MODEL

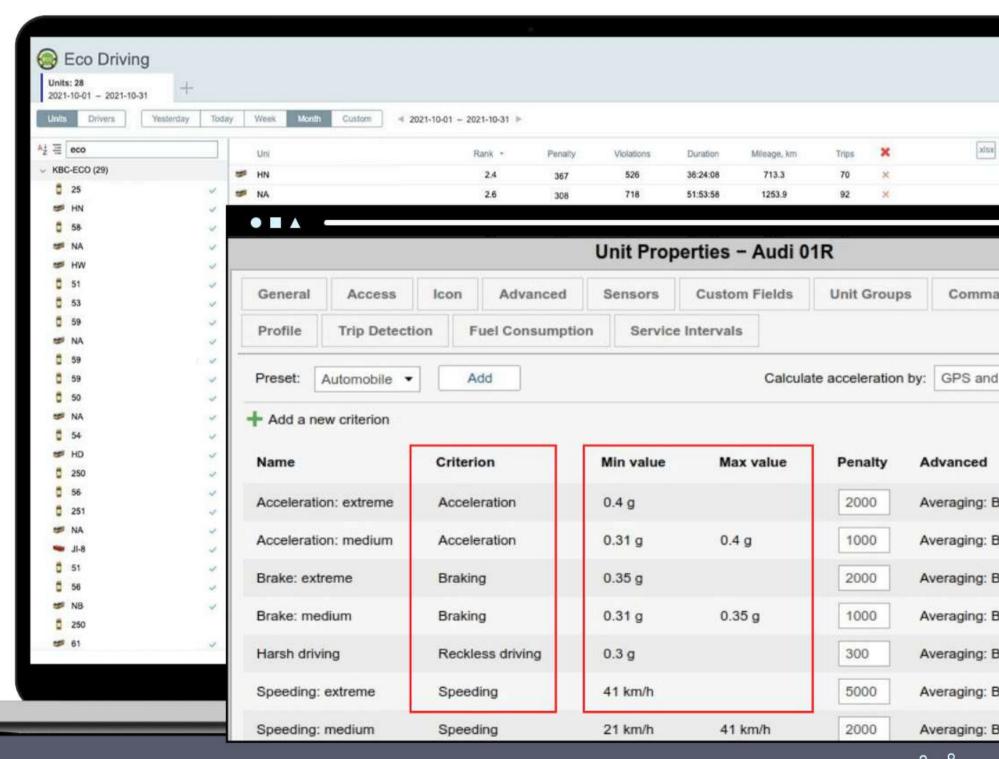


SELECT THE PARAMETERS TO CONTROL

Speeding, acceleration, braking, cornering, reckless driving.

SHOW THE SYSTEM WHAT TO CONSIDER A VIOLATION

For example, if the system detects "Acceleration" with the G-force of 0.4 g and more, it will report a severe violation.





# STEP 1. CREATE ASSESSMENT MODEL

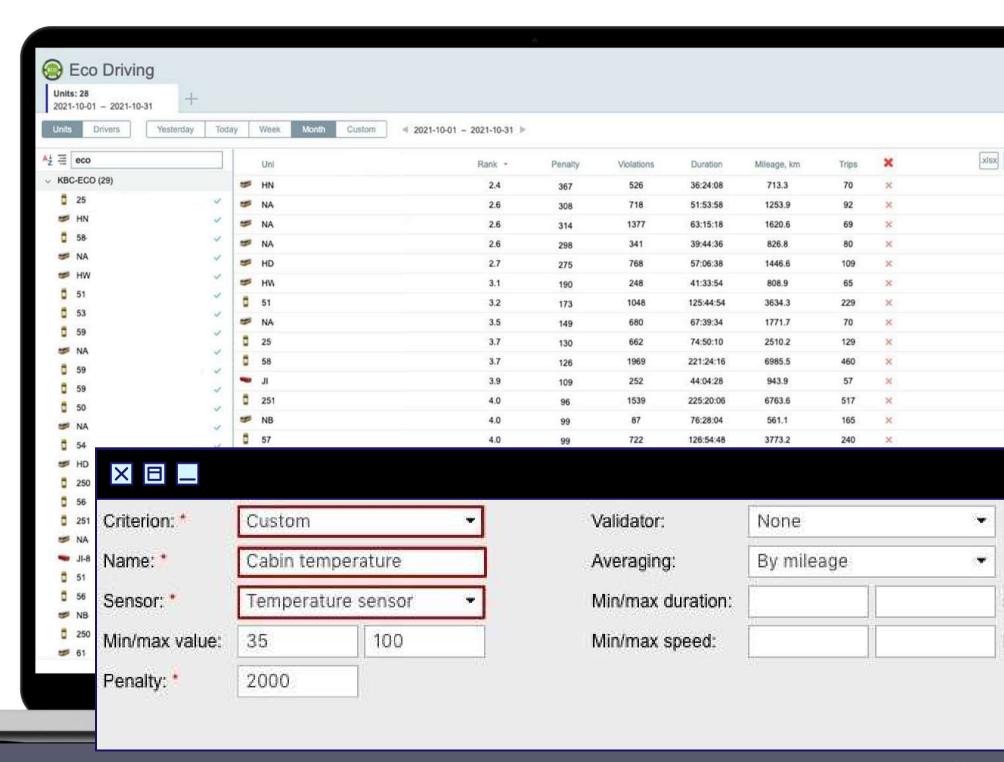


ADD CUSTOM CRITERIA

In this case, any value of any sensor can evidence a violation: from increased engine speed to the wrong gear.

SET THE FINE FOR EACH VIOLATION

Penalty points are used to rank the drivers when creating the rating.









The number of criteria is unlimited, that's why we can create a customized assessment model for your company and even individual vehicles.



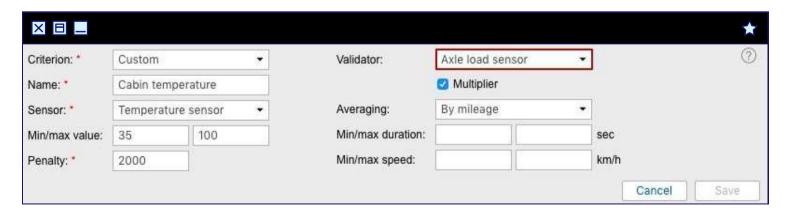
#### **CAPTURE CUSTOM VIOLATIONS BASED ON SENSORS**

N parameters in a message = N violations



#### SET ADDITIONAL PARAMETERS FOR EXCEPTIONAL CIRCUMSTANCES

- For example, install the axle load sensor that will show that the truck is full and select it as a validator.
- Activate the "Multiplier" 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.





#### **RANK THE VIOLATIONS BY THEIR SEVERENESS**

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



#### CREATE A FAIR RATING WITH THE HELP OF AVERAGING

Kasun has got 10 violations for the whole day.

Yasintha has got the same number of violations after driving a few blocks away.



Averaging by time or mileage will help you see the real situation. In this case, the total number of penalty points is divisible by each kilometer or minute in trips.





## STEP 3. ASSESS RESULTS





#### IN THE CIRCUMSPECTOR WEB APPLICATION

#### Charts

Show violations, penalties, and driving scores in separate rides, considering their duration.

#### The violation list

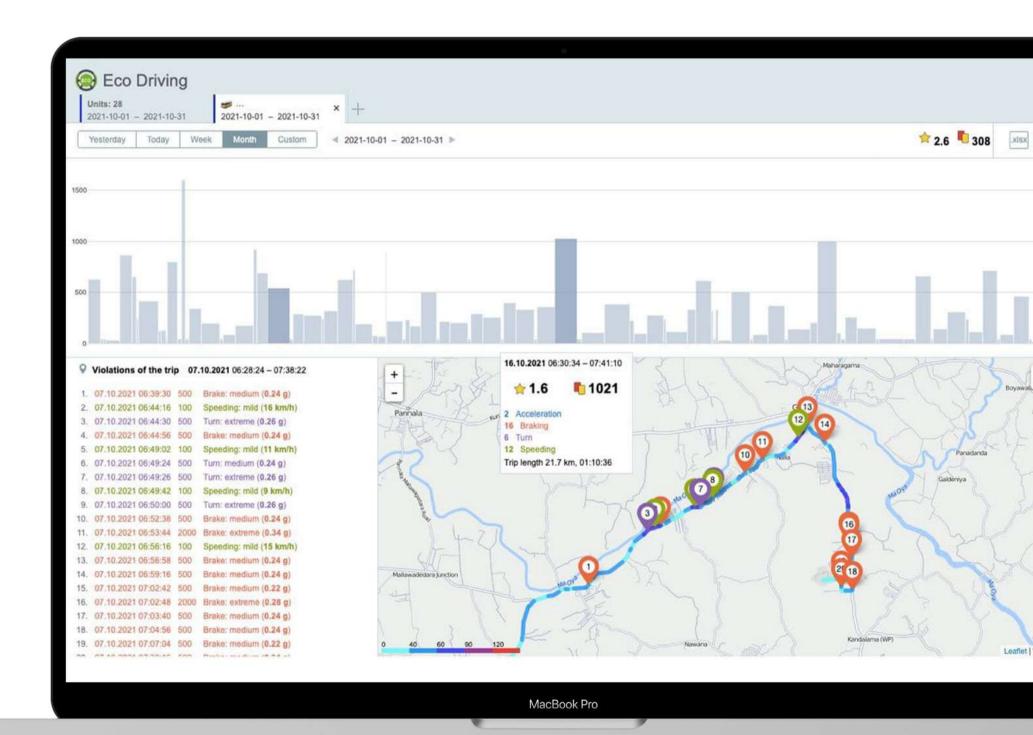
Describes each case of unsafe driving in detail, including its location, date and time, and the driver.

#### Maps

Display violation markers of different colors depending on their severity.

#### Driver ranking

Shows the list of drivers in your fleet from bad to worse, or vice-versa.







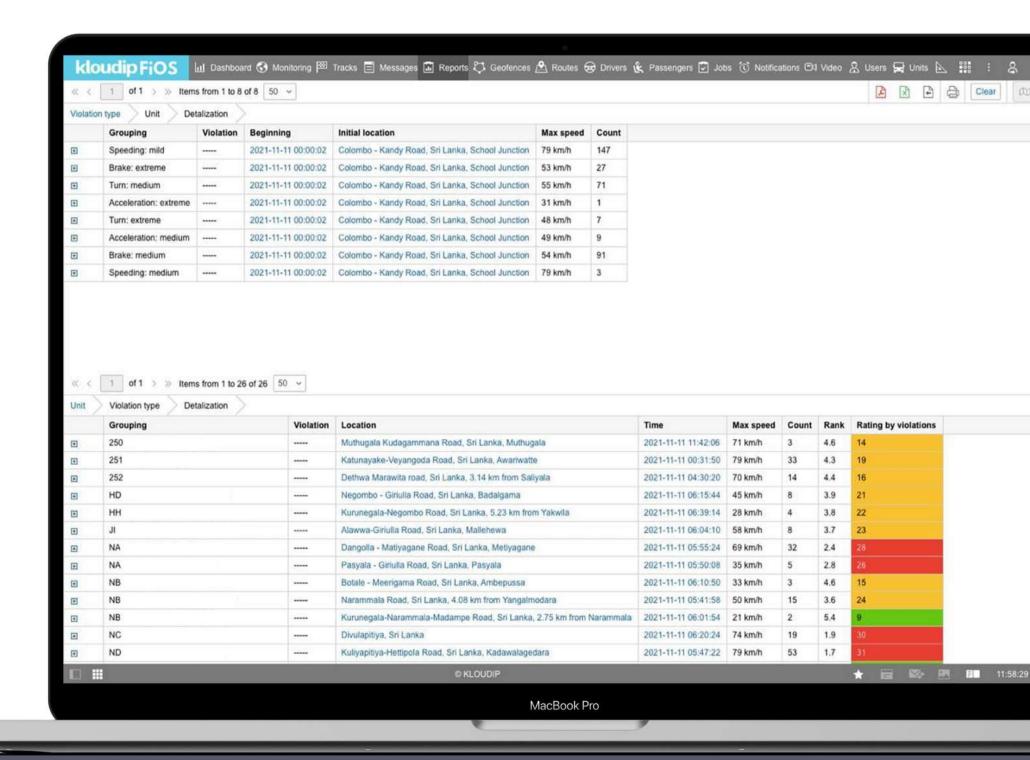


2 IN REPORTS

The "Eco-Driving" table in the FiOS fleet management platform describes each violation in detail: what happened, where, when, and who was driving the vehicle. Here, you will find the score, the driver rating, and 12 more driving quality parameters.

3 IN NOTIFICATIONS

The system will send online violation alerts by email, SMS, or via a pop-up window in the system interface.











#### **EFFICIENCY PROVEN BY BRANDIX**

Brandix established a driver training & reward system based on CIRCUMSPECTOR driving safety solution in Sri Lanka. The company provides personalized training, salary bonuses, or penalties based on employees' driving quality.

At Telematics Colombo, Brandix reported preventing 90% of traffic accidents monthly and significant fuel economy across the fleet.



# WITHOUT CIRCUMSPECTOR





#### YOU TEMPT FATE

When you exceed the average speed of the flow by 1 km/h, the accident risk increases by 10-15%. While exceeding it by 10 km/h, the risk of such accidents increases drastically.



#### YOU WATCH THE COLUMN OF FLAME

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.



#### YOU DON'T GIVE A DAMN ABOUT ECOLOGY

The driver pedals to the metal and discharges more CO2. The system will calculate the emission volume and show how 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.



#### YOU "WASTE" VEHICLE PARTS

The frequent "gas-brake-gas" shifting increases the clutch and braking systems deterioration, while more significant violations lead to critical breakdowns and crashes.



#### YOU CAN'T BUY GOODS

Each accident of a transport truck means that the products won't get to the shops on time and unspoiled. Due to interrupted supply chains both logistics operators, carriers, and shops suffer losses. CIRCUMSPECTOR will allow training drivers based on their weak points, avoid dangerous road segments, and prevent accidents caused by reckless driving.



#### YOU BURN THE FUEL ALL OUT

All-wheel drive cars burn fuel fast, so they turn on this option only under off-road conditions. If you don't control the 4x4 mode switching in the city and on the highway, you can't call your driving fuel-efficient.





# P.S. WATCH CIRCUMSPECTOR IN ACTION ===









# THANKS FOR WATCHING

FIND MORE
FLEET
MANAGEMENT
APPS ON
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