

↑ Merlesdorf, Deutschland 48 min, 23 secs
↓ Wincheringen, Deutschland 45,46 km

SAFETY 81 ECO 86 WEAR 74

MOSTLY IMPACTED
YOUR SCORE



Speeding

MOST FREQUENTLY
TRIGGERED



Aggressive Driving

HEALTH
SCORE

23

CO2 EMISSIONS

All numbers are estimations reflecting your driving style.

123.4 g

Current Trip

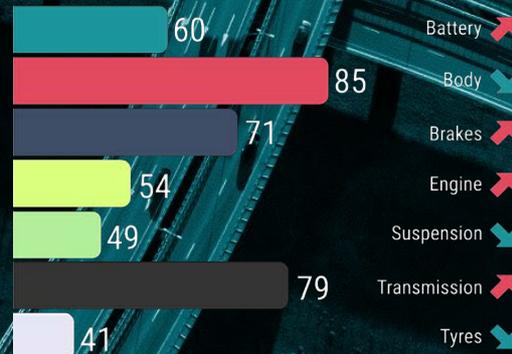
99.2 g

Ideal Trip

“ Try to get as close as possible to the ideal trip by adapting your driving style. ”

COMPONENT HEALTH STATUS

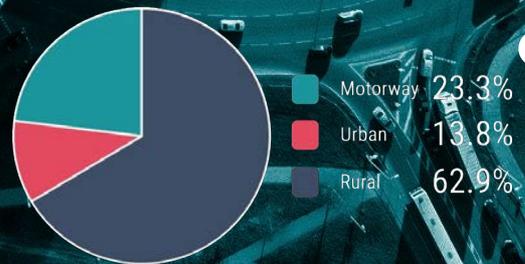
Click the bar to know what influences your component's health.



MOTION-S

Data-Driven Fleet Management

ROAD TYPE DISTRIBUTION



RISK
SCORE

75



Motion-S

FLEET MANAGEMENT SUITE

DATA-DRIVEN FLEET OPTIMIZATION

Detecting the influence of driving style on overall fleet costs and lowering them through actionable data insights is what we provide to fleet managers. Our platform presents our clients with tools to **predict car wear** and predictive maintenance, decreasing fleet vehicles' downtimes, ultimately **lowering operations costs**.

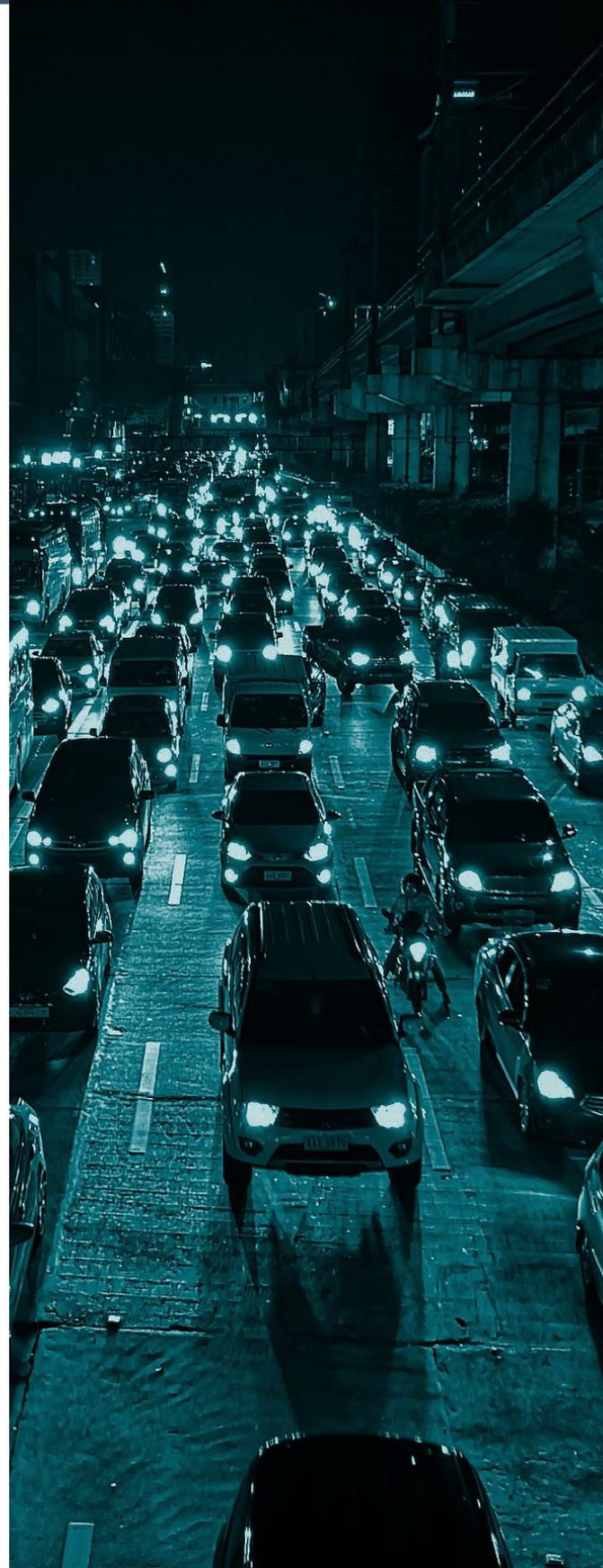
Eco-efficiency profiling and eco-driving coaching pave the path for more sustainable, environmental-friendly, and efficient fleets management. With fleet vehicles being renewed regularly, fleet operators and managers need to have deep insights into their overall **fleets' mobility patterns**. This information is crucial to optimize the **fleet's composition** of regular combustion, hybrid or electric vehicles.

Safe driving is a must: accidents and claim costs do not only lower your revenue margin; it's a real threat to your fleet members. Have your drivers coached in safe driving - before it's too late.

ABOUT US

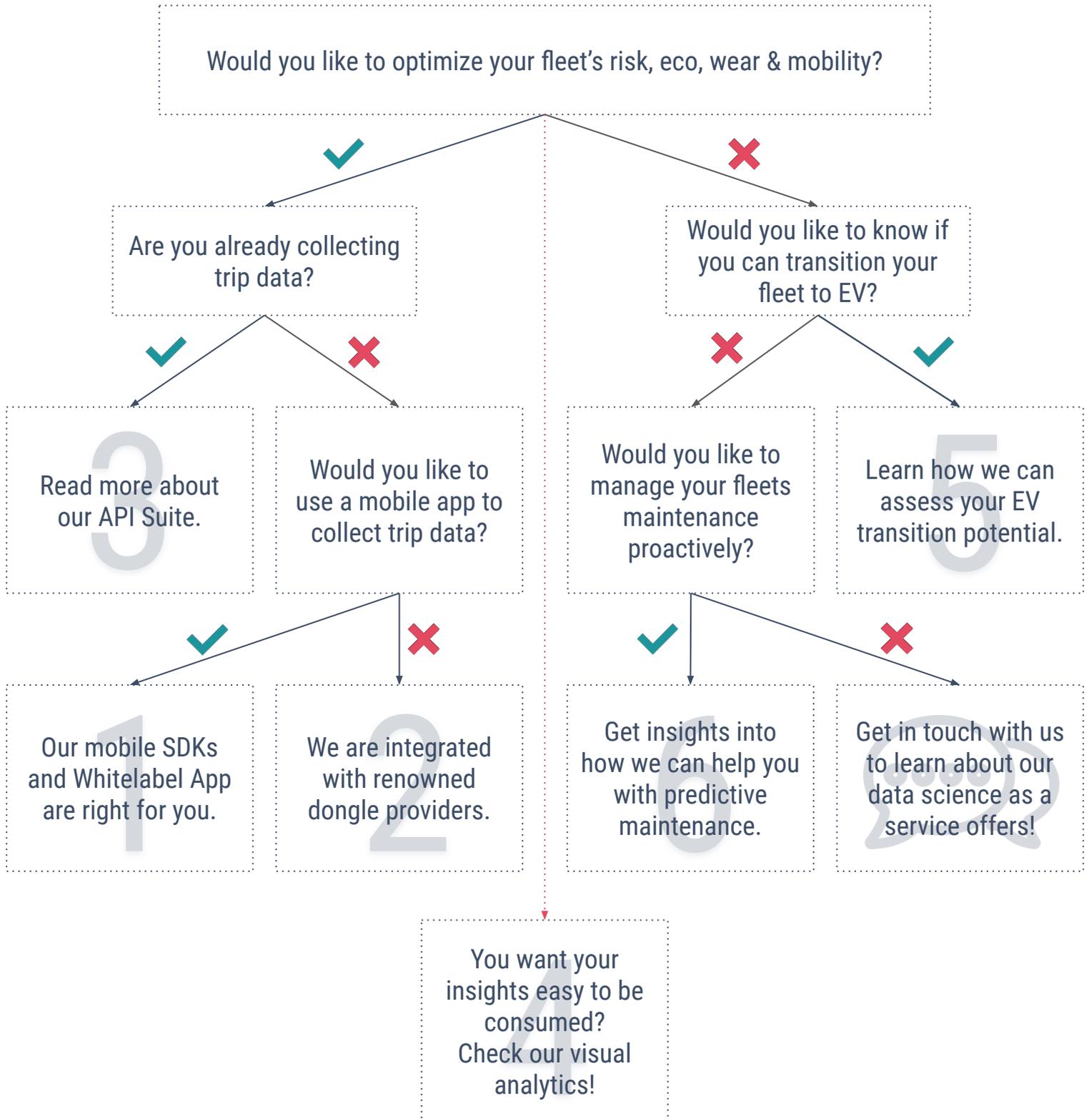
We empower our clients to design and implement new **data-driven products and services** in **smart mobility, insurance,** and the **automotive industry** by collecting, augmenting, analyzing, and profiling vast amounts of data from moving vehicles and individuals.

Motion-S is a leading data-driven **behavior analytics** solution provider in the mobility ecosystem and a trusted partner for companies from multiple industries providing them with the most advanced, **accurate,** and customized solution on the market – giving them a head start in **telematics**.





YOUR GUIDE TO SELECTING THE RIGHT INTEGRATION LEVEL





Motion-S

FLEET MANAGEMENT SUITE

HELPING YOU TO UNDERSTAND WHAT IS DRIVING YOUR COSTS

Our tools allow our customers to **gather, analyze, and transform data** into **actionable insights** ready to be consumed.

**VEHICLE DATA
INTEGRATION**

CAN data collection through external devices to gain reliable information about vehicle status

2

VISUAL ANALYTICS

Fleet Dashboards with focus on Risk, Eco, Wear, and Mobility

4

**PREDICTIVE
MAINTENANCE**

Paving the way for proactive management of vehicle health

6

DATA COLLECTION

1

Mobile SDKs and whitelabel mobile apps to collect to turn mobility data into actionable insights

API INTERFACES

3

Access to Data Augmentation and Analytics API to gain insights in trips and driving behavior

**EV TRANSITION
POTENTIAL**

5

Fleet composition optimization and transition analysis to electric vehicles

1 DATA COLLECTION

MOBILE SDK & WHITELABEL APP

TURNING ANY MOBILE PHONE INTO A LOCATION TRACKER & SENSOR

Mobile SDKs and whitelabel mobile apps empowering you to **collect trip data**

The Motion-S mobility analytics platform transforms raw location data from smartphones, simple trackers, databases, or vehicle data into actionable insights – providing a deep understanding of individual mobility patterns.

Predictive analytics in terms of risk, car health, and eco-efficiency allows fleet managers, insurers, OEMs, smart mobility operators, public authorities, and transportation providers to optimize their offer and improve their value propositions customers.

Technical documentation: developer.motion-s.com



LOW BATTERY CONSUMPTION



Our mobile SDKs and whitelabel apps were designed to consume only little energy.

AUTO-

RECOGNITION



Automatic trip start and end detection - so you never miss any trip.

SIMPLE

INTEGRATION



Our SDK is easy to plug into any existing app - only a few lines of codes are required.

TRANSPARENCY



Walking, using a bus, or traveling by your car - our SDK detects your transportation mode.

1 DATA COLLECTION

MOBILE SDK &
WHITELABEL APP

START COLLECTING DRIVING DATA NOW

Find the solution that suits your needs.

OUR PACKAGES	MOBILE SDK	WHITELABEL APP
FEATURES INCLUDED	<p>A fully native Software Development Kit for Android and iOS:</p> <ul style="list-style-type: none">★ Collect location data at a high sampling rate★ Smartly detect trip start and trip end★ Send the collected trip data to the Motion-S platform	<p>Mobile apps for both Android and iOS:</p> <ul style="list-style-type: none">★ Scoring on driving behavior: risk, eco, and car wear★ Trip logbook with easy to understand analytics about influencing factors★ Easy to customize for corporate branding
APPLICATION	<ul style="list-style-type: none">★ Fits existing customer app that can be enhanced with accurate location tracking★ Integration with gamification and incentives★ Add-ons such as convenience services <p>Contact our technical support team!</p>	<ul style="list-style-type: none">★ Provide your customers with insights in their driving behavior★ Quick launch of your mobile app with customizations★ Gain a positive customer communication channel to improve retention <p> GET IT ON Google play</p> <p> Download on the App Store *</p>

* Soon available on the app stores! The release date will be announced later.

2 VEHICLE DATA INTEGRATION

DONGLES & CLOUD INFRASTRUCTURE

ACCESS & INTEGRATE CAN BUS DATA INTO YOUR ANALYTICS

A perfect combination of dongles & cloud infrastructure

Our solution is device-agnostic and can handle data from multiple physical dongles. We provide you with [consultancy on physical tracker selection](#). In some customer implementations, we have, for example, integrated dongles from Teltonika and combined our platform with the [powerful cloud-based infrastructure AWS](#).

Integrating CAN Bus data will allow you to gain deep insights into [car health status](#).



See the catalog for dongles [here](#).



MAKING DATA & ANALYTICS ACCESSIBLE IN THE CLOUD

Amazon Web Services is a subsidiary of Amazon providing on-demand cloud computing platforms and APIs.



ACCESSING CAN BUS DATA

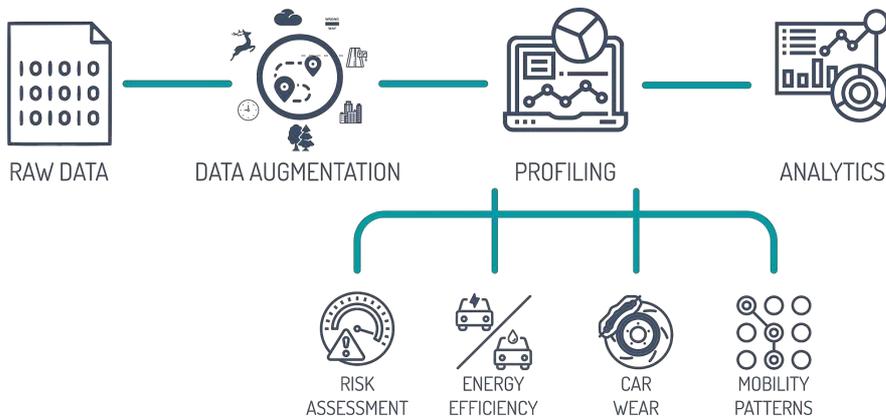
Teltonika is a market leader for telematics devices that offer the highest accuracy, with all innovative features to report to cloud service providers directly.

3 API INTERFACES

A POWERFUL API SUITE TO ANALYZE MOBILITY PATTERNS

Get deep insights into individual trip data and optimize fleets.

Motion-S offers an easy to integrate API suite to submit trip data, which is already collected by existing dongles or other trackers, to the platform: **data ingestion**, **data augmentation**, **profiling**, and **analytics**. Our APIs work in a device-agnostic manner and retrieve different analytics per trip, driver, vehicle, and fleet.



Technical documentation: developer.motion-s.com

UNDERSTANDING THE INFLUENCE OF DRIVING BEHAVIOR

Our platform can process mobility and trip data from moving vehicles and provide meaningful profiles on **risk exposure**, **energy consumption**, **vehicle wear**, and **mobility patterns** to serve your business applications in a matter of seconds.

DATA AUGMENTATION & MOBILITY ANALYTICS

DATA SECURITY



We process anonymized data without any driver identification – we take security and GDPR seriously.

SIMPLE INTEGRATION



With a minimal dataset of longitude, latitude, and time, we generate deep insights into mobility behavior.

DEVICE AGNOSTIC



Our API is device-agnostic and can be rapidly integrated into your existing data collection solution (OBD, car-data, apps)

FLEXIBILITY IN FEATURES



Our scientific scoring models and performing platform allow for customized and adaptable analytics.

3 API INTERFACES

DATA AUGMENTATION & MOBILITY ANALYTICS

TWO APIS - DEEP INSIGHTS

Find the solution that is right for you.

OUR PACKAGES	DATA AUGMENTATION	MOBILITY ANALYTICS
FEATURES INCLUDED	Know more about each and every location of your trip, including its whole context, road characteristics, surface quality, road topology and limitations, traffic signals, and weather information, to name only some.	Profile, analyze, and visualize the influence of driving style on mobility's main cost components: exposure to risk, energy consumption, and vehicle wear on a granularity of full trips, driver, vehicle, or fleet level.
APPLICATION	<ul style="list-style-type: none">★ Know under which conditions vehicles drive★ Obtain rich input for your data modeling★ Get real-time alerts★ Integrate to corporate fleet dashboards or mobile apps	<ul style="list-style-type: none">★ Understand your user's mobility demands★ Optimize individual mobility and fleet composition★ Build dynamic pricing schemes for services★ Identify good drivers and coach the risky ones

4 VISUAL ANALYTICS

FLEET DASHBOARDS FOR RISK, ECO, WEAR & MOBILITY

UNDERSTANDING MOBILITY & THE INFLUENCE OF DRIVING BEHAVIOR

Easy-to-use, customizable dashboards to gain insights into the factors that are driving your fleet's Total Cost of Ownership (TCO).

Knowing the location of your fleet members is just one part of the equation. Our visual analytics dashboards provide you with the **context** in which your members were driving: **traffic situation**, **weather**, **road conditions**, and much more. We provide you with detailed **risk scoring**, explaining which driving behavior might cause accidents. **Eco-efficient driving assessment**, by comparing an ideal trip with an individual one, allows you to see who and what is causing high energy consumption. Driving style influences **car wear**: see which factors cause your vehicles to have higher maintenance needs.

Schedule a demo.



RISK PROFILING



ECO ASSESSMENT



VEHICLE HEALTH



CONTEXT

5 EV TRANSITION POTENTIAL

FLEET OPTIMIZATION & ELECTRIFICATION

OVERCOMING EV-TRANSITION FEARS FOR FLEETS

Accurate profiling on fuel consumption, eco scoring, and EV transition potential

With fleet vehicles being **renewed regularly** to reduce maintenance costs and limit possible downtimes, fleet operators and managers need to have deep insights in their overall fleets mobility patterns, such as average trip distances, idle times available for charging, charging infrastructure at trip end locations and along the most common routes, among others.

This information is crucial to **optimize the fleet's composition in terms of regular combustion, hybrid or electric vehicles**. With more and more regulations in force, limiting **CO2 emissions** on corporate levels, reducing the environmental footprint through switching to sustainable mobility modes is a must already today.

WE CALCULATE FOR YOU AN EV TRANSITION SCORE

1. **Range:** For an individual driver, it's not that important how many kilometers he/she can drive with one charging cycle (as most trips are shorter than the maximum range), but they are interested in how many days they drive their usual trips without charging.
2. **Proximity of chargers:** Convenience is a big issue in mobility; thus, the availability of chargers and the type of charging stations at the trip end location is essential.
3. **Cost reduction:** For every trip, the platform calculates the approximate amount of money a driver would save thanks to the lower costs of electricity vs. the higher costs of fuel (gasoline or diesel). The estimate is based not only on the distance and time of the trips but on actual driving behavior and the potential for charging into different networks (e-Chargers, work, residential) at different price tags.
4. **Required battery capacity:** The metric is calculated based on assuming that a driver charges the vehicle every two days. Same as above, it considers personal driving behavior, the average distance of trips, duration, and much more.

Integrating our **mobile Android and iOS trip detection software (SDKs)** in the mobile app and using our platform allows you to **calculate accurate eco and EV transition profiles**.



6 PREDICTIVE MAINTENANCE

PROACTIVE CAR HEALTH MANAGEMENT

PREDICTING CAR WEAR TO OPTIMIZE PARTS PROCUREMENT & REDUCE DOWNTIMES

Anticipative and data-driven car wear profiling

Fleets managers are well aware of the impact on vehicles' downtime costs: on average, 6800 € per vehicle / per year, including unproductive workforce, loss of revenue, and repair expenses sum up in small to medium-sized fleets. **Corrective maintenance costs** are likewise only a fraction of the total costs to be covered.

Predictive maintenance lowers downtimes and costs as it is performed just before failure is likely to occur. With Motion-S, you select a partner to **profile vehicle wear accurately**. Our platform collects the data with accurate GPS telemetry trackers, transmits them to the platform, and has the trip data contextualized. Apart from that, the platform can also use data from the **CAN bus and maintenance records**. Segmentation of vehicles in terms of wear using innovative and scientific models gives our customers deep insights into actual car wear, and reliable scoring is enabled.

APPROACH	DEVICE AGNOSTIC VEHICLE SCORE	CONNECTED VEHICLE SCORE	AGNOSTIC PREDICTIVE MAINTENANCE	CUSTOM PREDICTIVE MAINTENANCE
DATA INPUT	 GPS	  CAN Data	  Maintenance Reports	   Maintenance Reports
COMPONENTS	Mobile Backend Data Augmentation Health Metrics Based Profiling	IOT Platform Data Augmentation Health Metrics Based Profiling	Mobile Backend Data Augmentation AI Predictive Modelling	IOT Platform Data Augmentation AI Predictive Modelling
PRO & CON				
Plug & Play	● ● ● ●	● ● ○ ○	● ● ● ○	● ○ ○ ○
Analytics Spectrum	● ● ○ ○	● ● ● ○	● ● ○ ○	● ● ● ●
Predictive Power	● ○ ○ ○	● ● ○ ○	● ● ● ○	● ● ● ●

WE'D 
TO HEAR FROM YOU!



Get in touch now!

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