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We take the transport and mobility sector to the next level of vehicle usage insights



About us

FRANKFUR

- Founded by the end of 2016 in Darmstadt, Germany, by Dr. Stéphane Foulard and Dr. Rafael Fietzek
- Al-based Virtual Sensors for health & usage monitoring
- License-based SaaS business model
- 23 employees, combining **domain & IT expertise**
- Major automotive **OEMs** and **suppliers** as customers
- As well, **fleet operators** and **telematics** companies
- Multiple awards, part of major accelerator programs

GERMAN ACCELERATOR
PLUGANDPLAY
Image: Company Procession of the second sec





Our investors



How others think of sensors





CONFIDENTIA.



Our Virtual Sensors can measure (almost) everything



COMPREDICT 🞊

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Advantages of Virtual Sensors

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- Give access to highly reliable and qualitative data
- Scale easily over many vehicles
- Never fail
- Improve precision continuously
- Measure "in the **past**"
- Measure "**immeasurable**" values



We close the loop between development, operation and usage



With Virtual Sensors and Health & Usage Monitoring,



we help mobility providers to **understand customers**' behaviors, **optimize design** and **minimize failure** risk!





Our customers are already using our SaaS platform



Save up to 90% of test vehicles' costs with Virtual Sensors

Up to **15 % cost savings 15 % weight reduction 10 % CO₂ footprint savings** with health monitoring

Up to **50 % more lifetime** with usage monitoring

Case 1: Virtual Sensors for development fleet with OEMs





Context

- To equip development vehicles with additional hardware sensors is **expensive** and **unreliable**
- Lack of consistency in data acquisition and management for development vehicles
- Engineers need access to additional insights to **understand the vehicle behavior** and to **validate** the design

Current situation

- Only up to 5 development vehicles are usually equipped with additional sensors
- A fully equipped vehicle costs up to **500.000€**
- The **statistical basis is small**, so that conclusions are limited
- With EVs and the lack of know-how in this area, **risks for wrong design** are higher than ever



Case 1: Virtual Sensors for development fleet with OEMs



Our value proposal

- Only 1 to 2 development vehicles are equipped with additional sensors, which are used as reference
- Virtual sensors are run in the cloud for other vehicles which are NOT equipped with sensors
- **Centralization and visualization of the data** on our platform
- License fee for the virtual sensors and platform

Benefits for the customers

- Up to 100 fully-equipped vehicles for tests with the Virtual Sensor technology
- Costs for equipped test vehicles reduced by up to 95%



Case 2: Usage insights and predictive maintenance with telematics companies



Context

- Fleet operators and telematics companies are **brand-agnostic** and **independent from OEMs**
- Established companies have already broad **customer basis**
- Their business model is based on **subscriptions**, like ours

Current situation

- These companies can only gather and record standard / normed signals from vehicles like DTCs
- There is a **need for more insights**, especially for **wear components** (e.g. tires, brakes, dampers)
- **Open for partnerships** with add-ons providers

Case 2: Usage insights and predictive maintenance with telematics companies





Our value proposal

- Health and usage monitoring as add-on for established telematics company within a cloud-to-cloud approach
- We share the revenues if the end customers subscribe to the add-ons

Benefits for the customers

- Less or no need for regular manual inspection of wear components
- **Better planification** of the replacement of wear components
- Increase of vehicle safety by usage monitoring

Our Vision



We consider vehicle usage insights as an essential part of sustainable vehicle life-cycle

to maximize utilization and minimize environmental footprint!





Let's talk further!



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