On Board Weighing System (OBWS)

Full vehicle load utilization via real time axle load measurement

Marc Leinemann | September 10, 2020
On Board Weighing System
The Legal Directive (EU) 2015/719

- Road safety
- Fair competition
- Environmental protection
- Protection of infrastructure
On Board Weighing System | Challenges
What does this mean for drivers and fleet operators?
But wait...

...hasn't Europe already agreed on "Weighing in motion" (measuring the load via infrastructure)?
On Board Weighing System

The alternative: WiM (Weighing in Motion)

Discussion to follow

OBW Stage 2

Weighing in Motion

for Stage 1

Discussion to follow

OBW Stage 2

No feedback
Yes!

And OBWS brings opportunities to enhance the business of drivers and fleet operators.
On Board Weighing System
Possibilities and advantages

- Prevention of Penalties
- Regulatory Compliance
- Efficient Loading
- Road Safety
- Reduced TCO
- Predictive Maintenance
- Pay per Use
- Work Order Management
- Logistics Management
- Fleet / Operator Performance Monitoring
- Fair Tolling
- Road Safety
- Regulatory Compliance
- Efficient Loading
- Road Safety
- Reduced TCO
- Predictive Maintenance
- Pay per Use
- Work Order Management
- Logistics Management
- Fleet / Operator Performance Monitoring
- Fair Tolling
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So, what is it in detail?
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Customers

Driver

Fleet Manager
On Board Weighing System | Portfolio
The system approach
On Board Weighing System
Our different Continental approaches

- **UHPS**
  - Ultrasonic Height Pressure Sensor
  - Pressure change

- **DUHS**
  - Decentralized Ultrasonic Height Sensor
  - Change in height

- **Pressure Sensor**
  - Pressure change

- **Strain Gauges**
  - Strain
On Board Weighing System
Data processing and enabler for services
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Data processing and enabler for services
On Board Weighing System
Data processing and enabler for services

Benefits & Features
› Fleet overview
› Gather statistics
› Vehicle list
› Real time vehicle details
On Board Weighing System

Real time load display allows the utilization of the vehicles full load potential. Immediate overload warning helps the customer to adhere to legal regulations and enhance road safety and infrastructure.
Questions and Answers