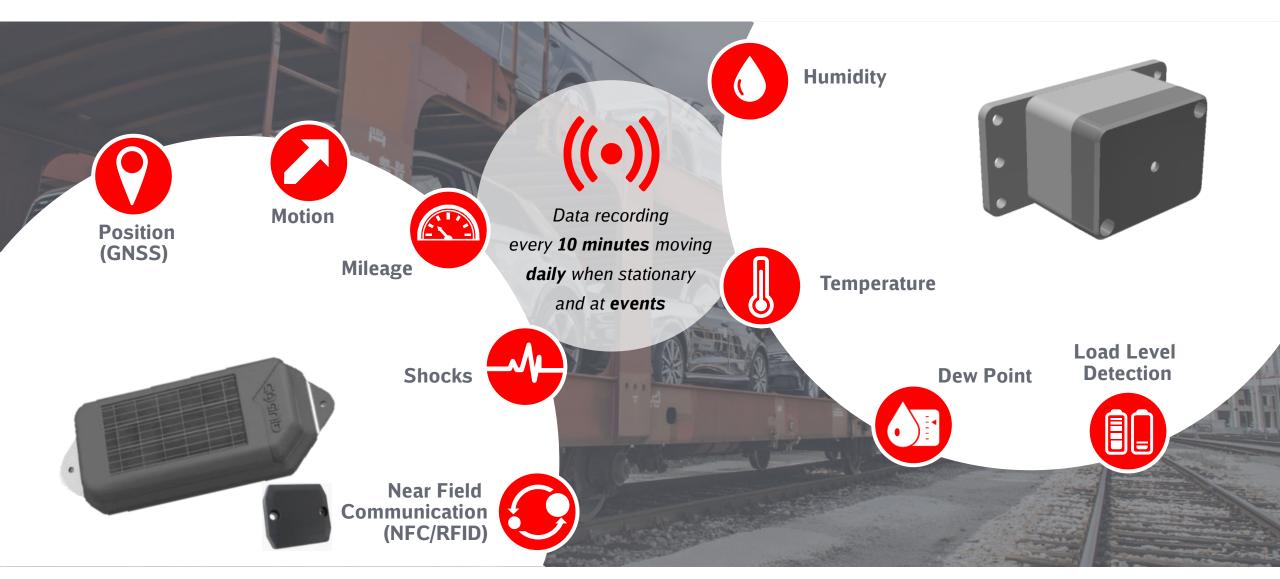




## More than 62.040\* freight wagons equipped with telematics devices.

Enabling the transformation of analog assets into digital assets to build a digital twin.

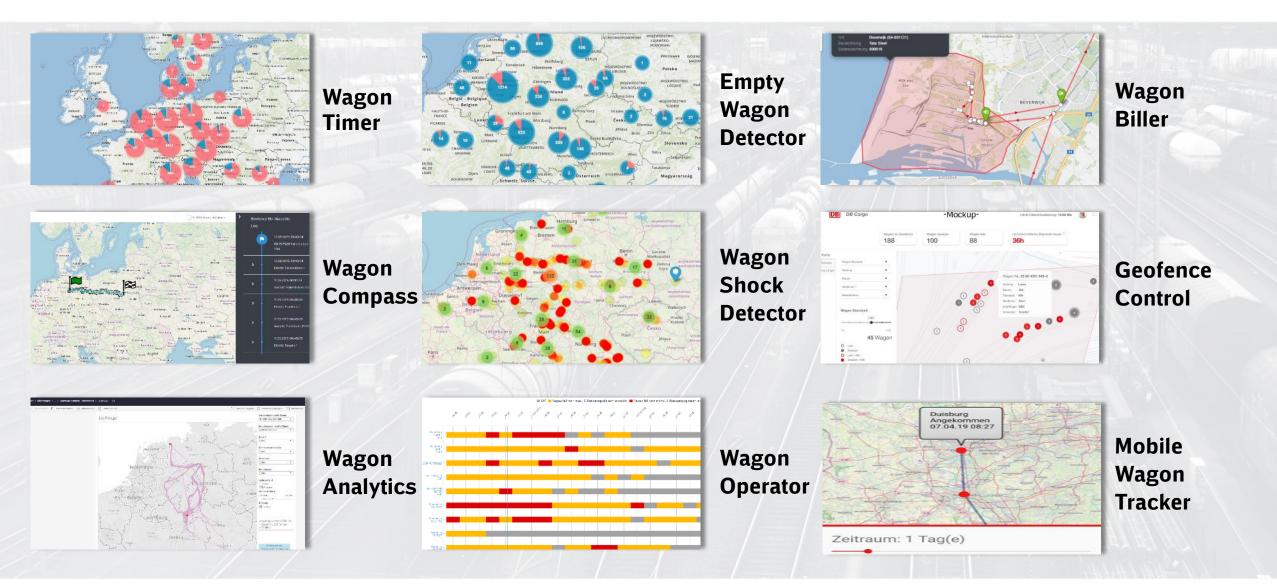




## The Wagon Intelligence product portfolio includes a wide variety of dashboards und apps.



Data visualization improves the disposition in near-time and billing processes in retrospective.



## Millions of location data points generate real added value.



**КАЛИНИНГРАДСКА** 

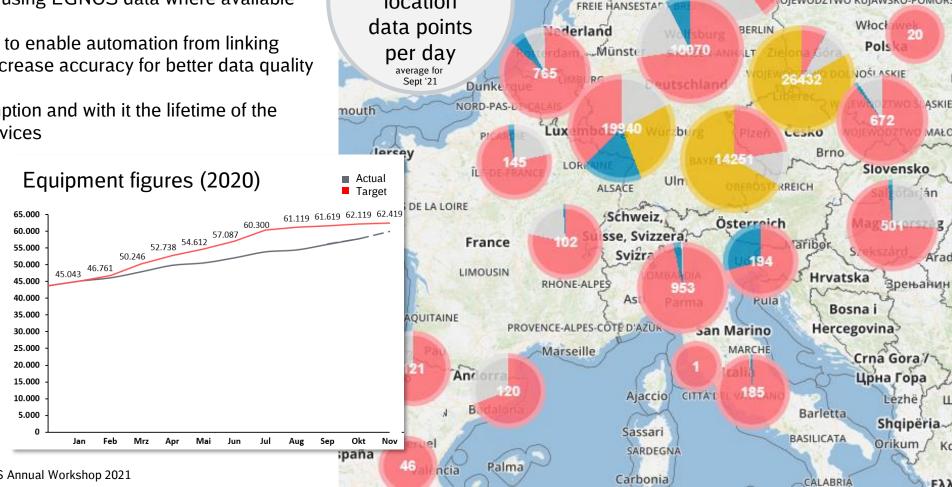
WOJEWODZTWO POMORSKIE

OJEWÓDZTWO KUJAWSKO-POMORSK

The challenge is to improve accuracy and availability without increasing energy consumption.

- Telematics devices use off-the-shelf GNSS receivers and antennas with data transfer over mobile network to central IoT cloud.
- The position data is optimized using EGNOS data where available
- Development projects initiated to enable automation from linking various data sources and to increase accuracy for better data quality
- Key factors are power consumption and with it the lifetime of the battery-powered telematics devices

Telematics devices supplied by: C@GNID ne>>:iot **SIEMENS** 



SCHLESWIG-I

1.95

million

location



QR CODE DB Cargo

wagon intelligence.

QR CODE DB Planet



## Gefördert durch:



Bundesministerium für Verkehr und digitale Infrastruktur

aufgrund eines Beschlusses des Deutschen Bundestages

