AIVAM

smart varnish technology

The smart varnish for damage tracking

Key Facts

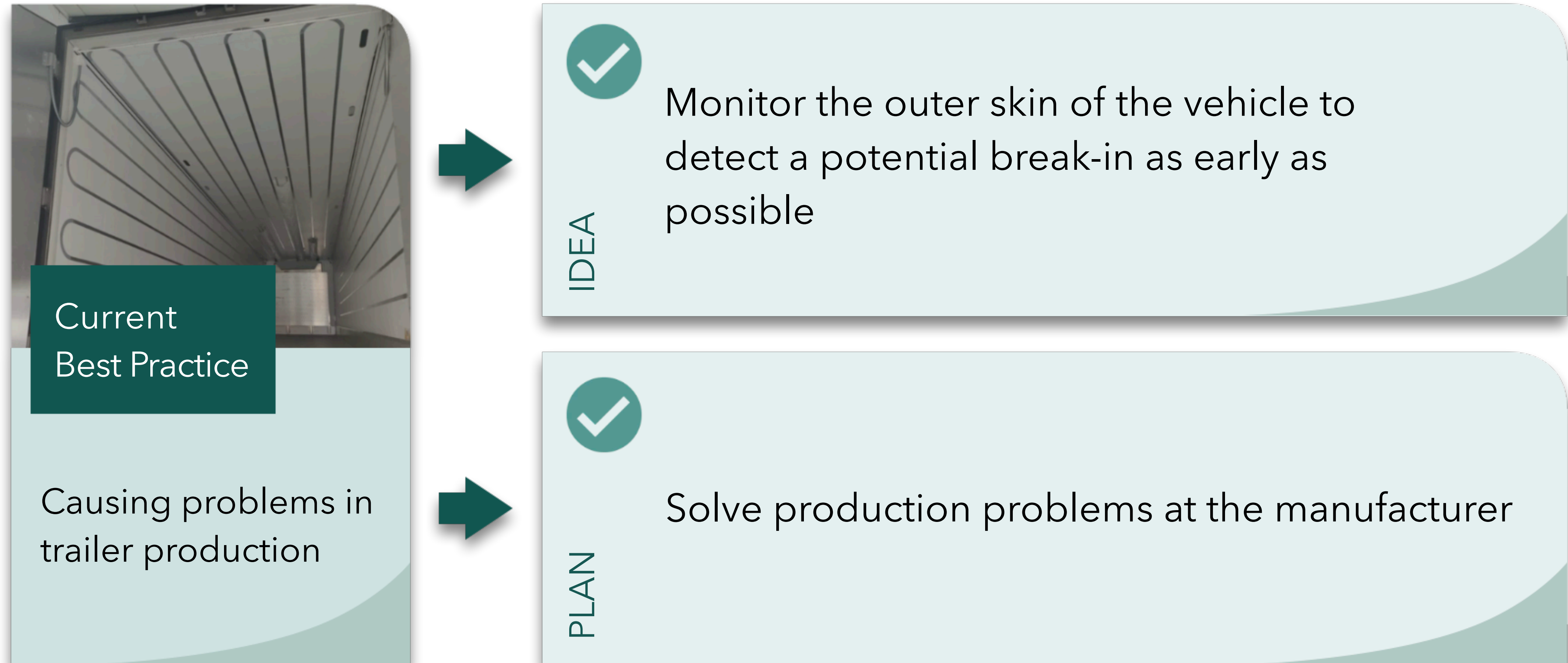First idea in 2019

Development approx. 5 years

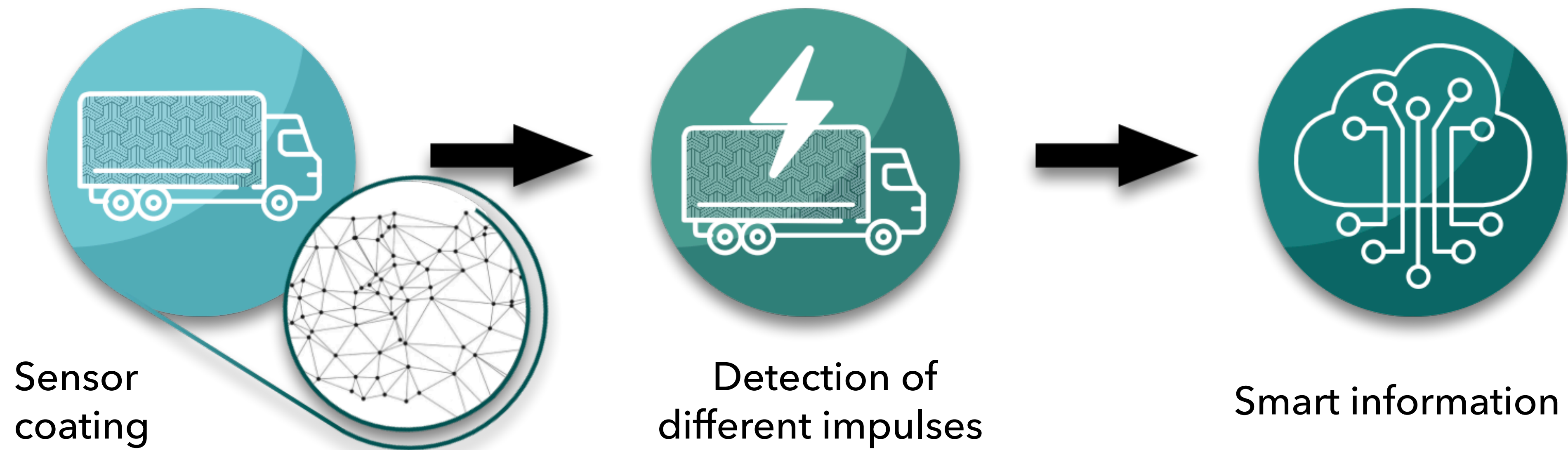Company foundation in 2024

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How it started

The transportation industry needs a tamper-proof solution for high-value shipments

Current
Best Practice

Causing problems in trailer production

IDEA

Monitor the outer skin of the vehicle to detect a potential break-in as early as possible

PLAN

Solve production problems at the manufacturer

Our Solution

We give vehicles a voice!

Sensor coating

Detection of different impulses

Smart information

How can AIVAM varnish help?

Detection
of scratches

Detection of
dents / dings

Detection of touch
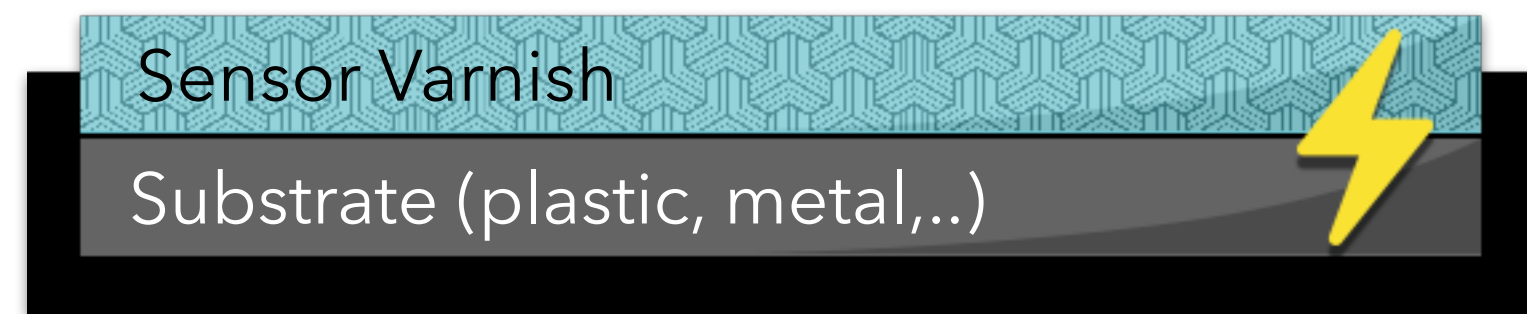and approach

Recognition of
temperature changes

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Sensor Coating

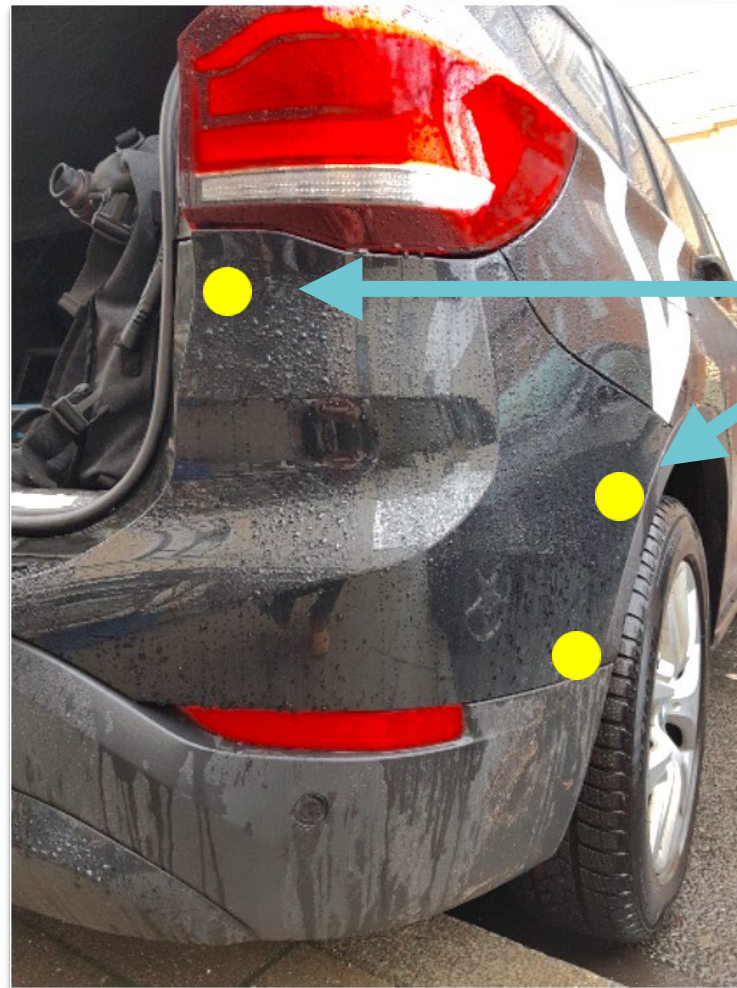## How does the Sensor Coat work?

- ✓ Water-based 2K PU system
- ✓ Concept transferable to 1K and/or solvent-based systems
- ✓ Application: Pneumatics, HR, ESTA (alternatively as film)
- ✓ Fulfills common OEM specifications
- ✓ Very good adhesion to various substrates (plastic & metal)
- ✓ Can be integrated into standard paint shops

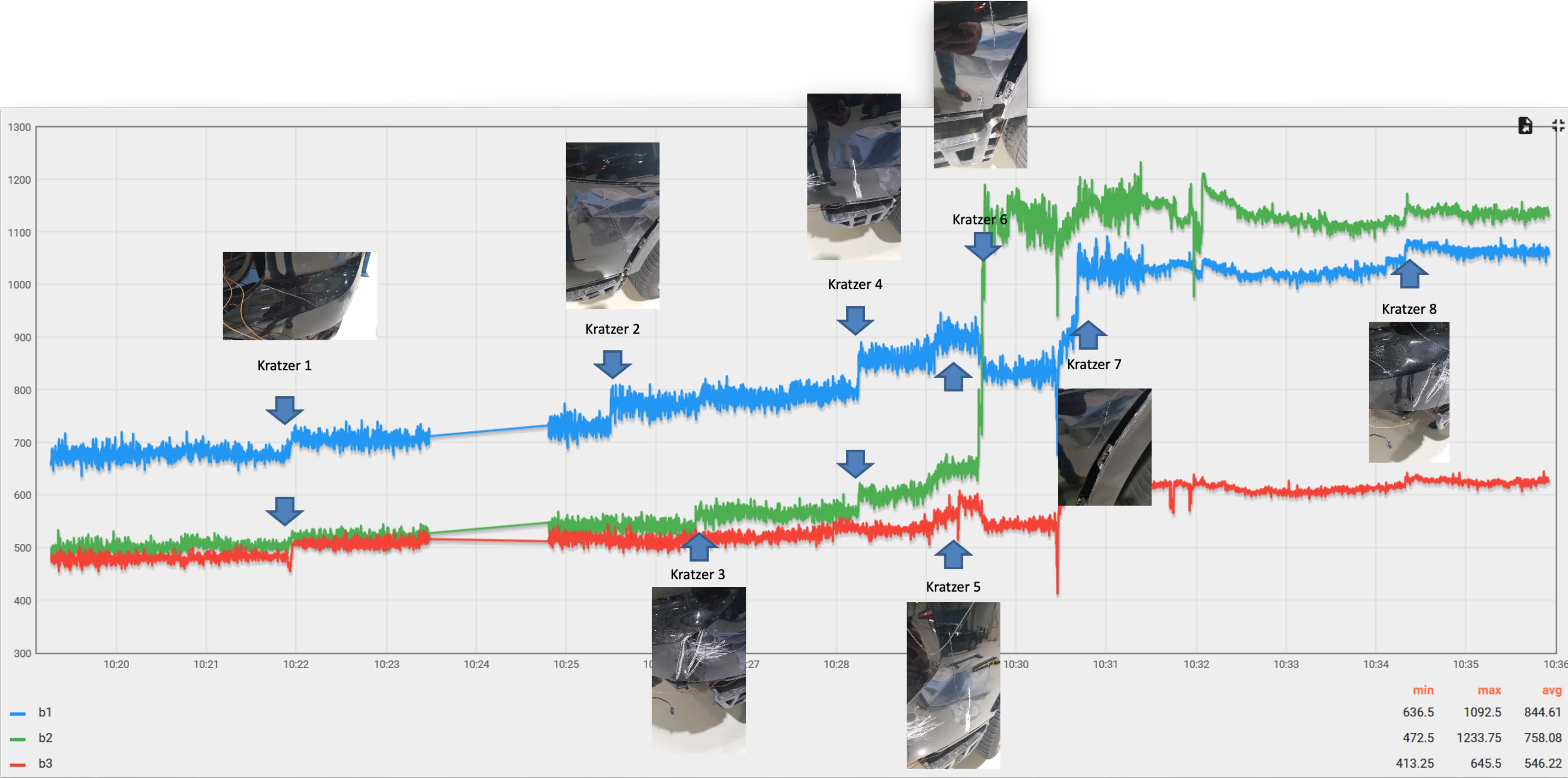# Pilot-Tests (Trailer - High Security Sector)

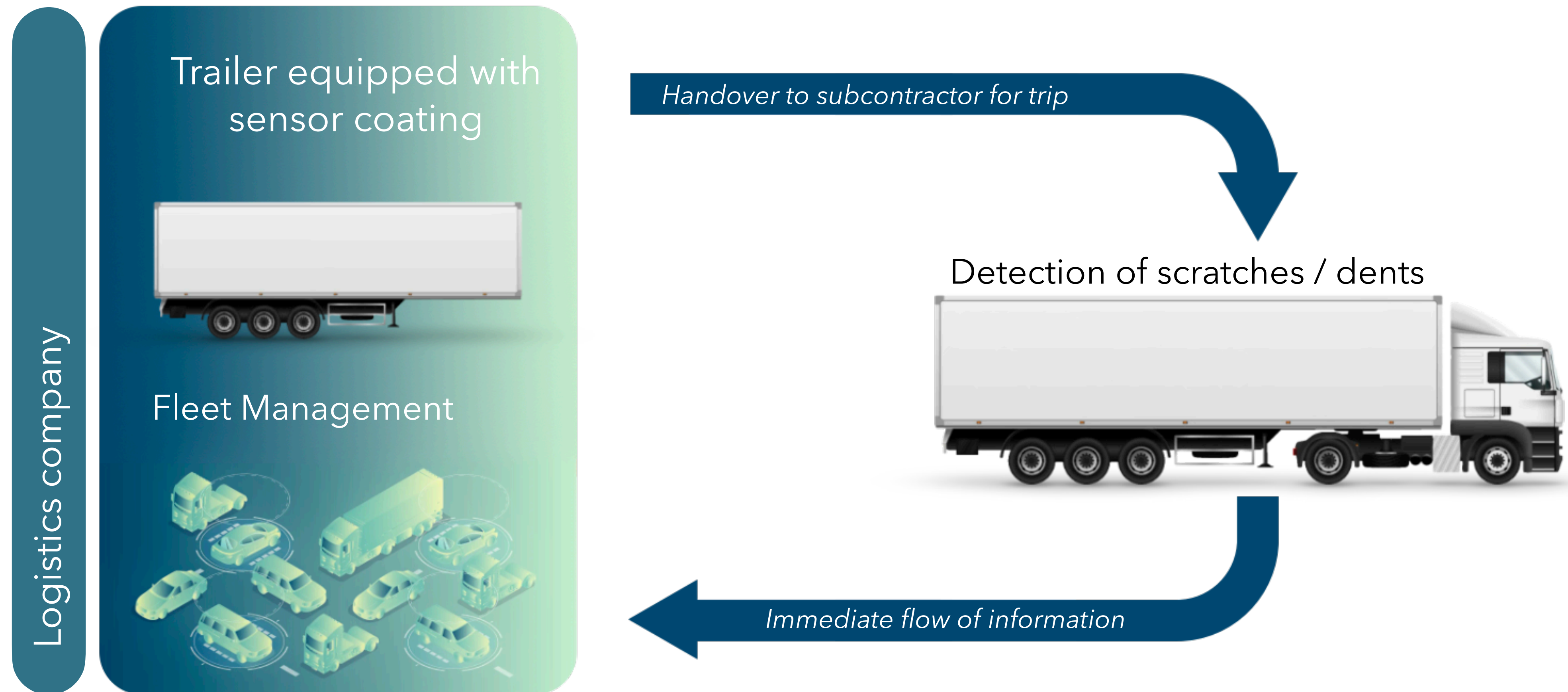# Pilot-Tests (Vehicle - Scratches)

Connection points

Pilot-Tests (Vehicle - Scratches)

Data from 17.03.2022: 10:18 a.m. - 10:36 a.m.

Use Case - Detection of damage on vehicle (truck)

Logistics company

Trailer equipped with sensor coating

Fleet Management

Handover to subcontractor for trip

Detection of scratches / dents

Immediate flow of information

Damage Management Portal

Real-time damage report and overview

Combined with OEM telematics data, direct link to the respective transport order / vehicle

Push notification of vehicle damage, maintenance appointments and other relevant events

Statistics and reports with third-party access (if required)

Further areas of application / projects...

Wind power industry

Vehicle rentals (Sixt; Hertz & Co.; Miles)

Charging parks (electric car)

Further areas of application

Leasing companies (car / truck sector)

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Feel free to contact us
via the QR code