The GCU Broker
and how to make use of it

Make digitalisation simple!

BEWAG, Antwerp, May 2023

Three tools – one idea: make digitalisation simple!

GCU Broker – The foundation for harmonised digital data exchange between RUs and WKs
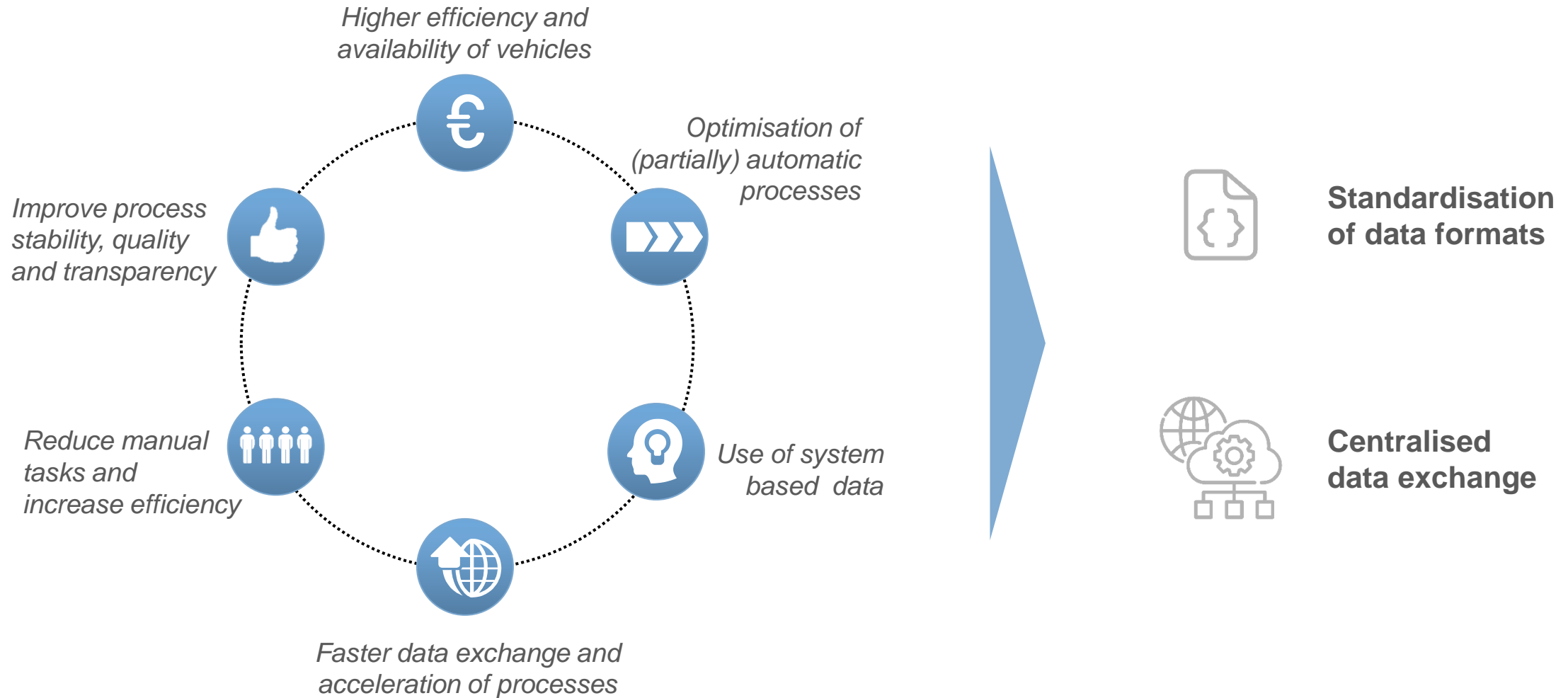
RSRD² – The tool for wagon keepers to make full use of the GCU Broker (and far beyond)

WDRflyer – Damage Reporting the fast and easy way

The GCU Broker enables digital simplicity for the rail sector

Higher efficiency and availability of vehicles

Optimisation of (partially) automatic processes

Improve process stability, quality and transparency

Use of system based data

Reduce manual tasks and increase efficiency

Faster data exchange and acceleration of processes

Standardisation of data formats

Centralised data exchange

Three areas of data exchange supported by the GCU Broker

1. Mileage Data

- Appendix 15

- Obligation to deliver mileage data for operated wagons

- Central data push for all wagons; identification of keeper and data transmission by GCU Broker based on wagon list

2. Wagon Reference Data

- Appendix 16

- Administrative and technical reference data for planning and train operation

- Necessary to connect RSRD system as keeper via system interface to provide wagon data

3. Wagon Damage Reports

- Appendix 4

- Immediate delivery of wagon damage information

- Sending of data via system interface by RU; reception as PDF or via system interface by keeper

What is important?

- Check if your GCU reference data is complete (organisation, address, certificate, responsible contacts etc.)

- Keep your list of wagon numbers always updated (enables receiving WDR, WPM and query of RSDS data)

- Send WDR via interface as data (not upload of PDFs)

- Consider existing tools to fasten your digital transformation

- Ask BEWAG/UIP or GCU if you need support or if you have any questions

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Tired from copying already existing data?

- Freight wagon reference data required for planning, operation, accounting etc.?

- Still receiving PDFs or Excel lists from companies or wagon keepers with wagon data?

- Writing off such data from freight wagons manually?

- Tired from copying data into your IT system from PDF documents Excel lists or photos?

- Getting annoyed about false, incomplete or outdated information?

RSRD² is the source for wagon reference data

Customers

Railways

Infrastructure Managers

Any other stakeholders

Wagon Keepers

National Safety Authorities

GCU Broker

Workshops

Silent Wagon Database

Data authorisation

Data protection

Wagon Data | Wagon Documents | Mileage Data

222.000 registered wagons from **86** keepers

140 wagon data elements

250 companies using the system

900 registered users

15 million wagon queries per month

Discover the possibilities of digitalisation with RSRD²

Data access free of charge

Standardised data formats and data quality

Available via interface, web portal and data export

Individual and role based data authorisations

Feeds other systems (SWDB, GCU Broker)

Continuously adapted to sector requirements (silent, telemat)
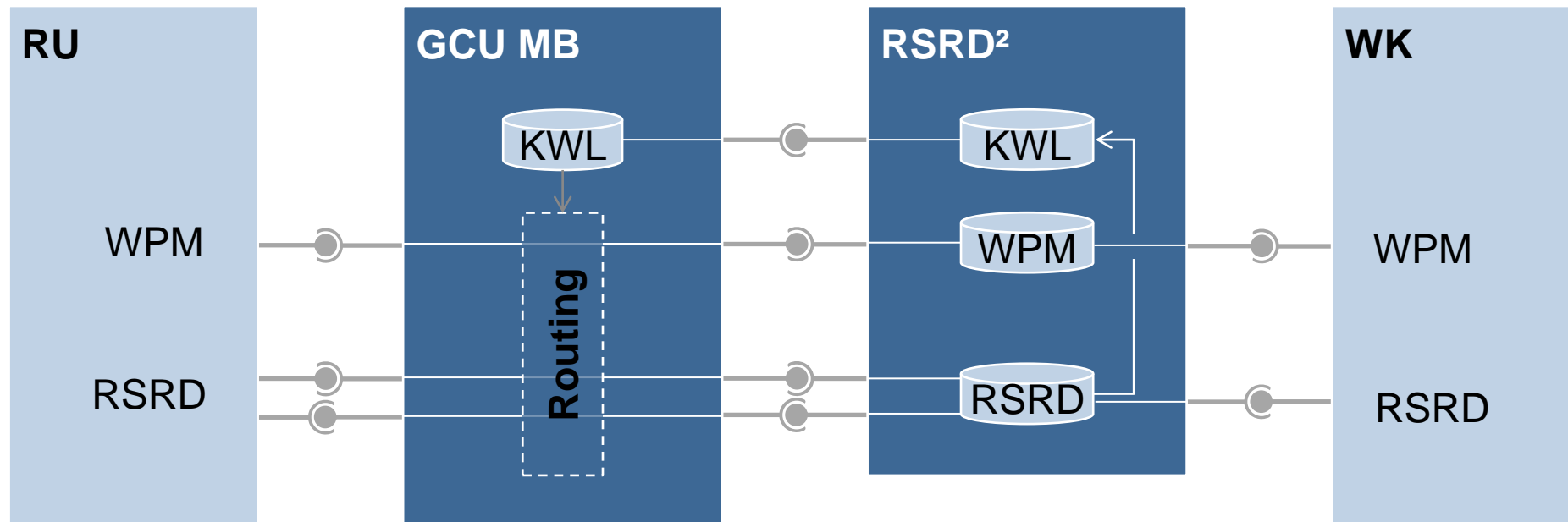
One upload, all stakeholders served

Fulfils all TAF TSI keeper requirements

Documents, manuals, datasheets available

Data Exchange via RSRD² and GCU Broker

WPM = Wagon Performance Message
RSRD = Rolling Stock Reference Data
KWL = Keeper Wagon List

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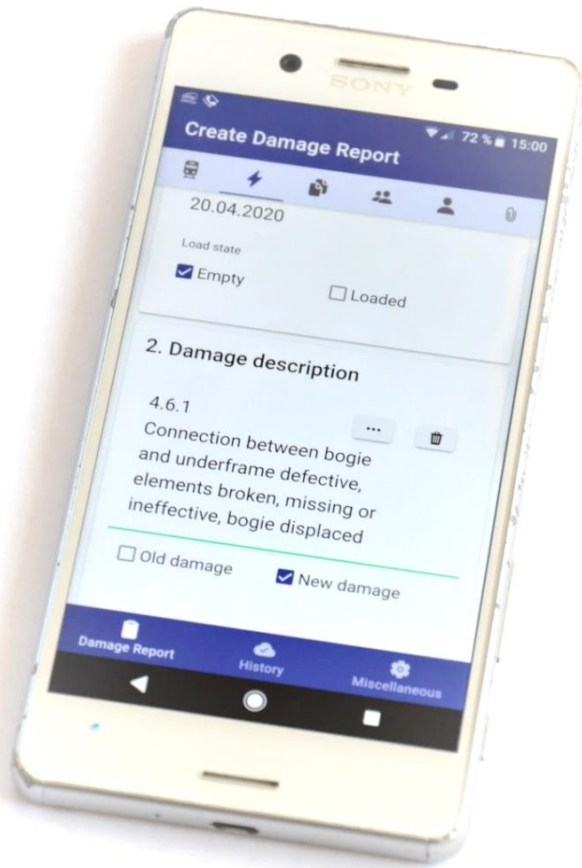# Damage reporting is characterised by many inefficiencies

- Recording on slips of paper on the track

- Transfer handwritten notes to PDF in the office

- No quality checks (plausibility, completeness)

- No track of protocol creation and sending

- No protection against changes after transmission to keeper

- Manual distribution by fax or email (keeper contact on wagon)

- Delayed processing

- No evidence of actual damage by damage photos
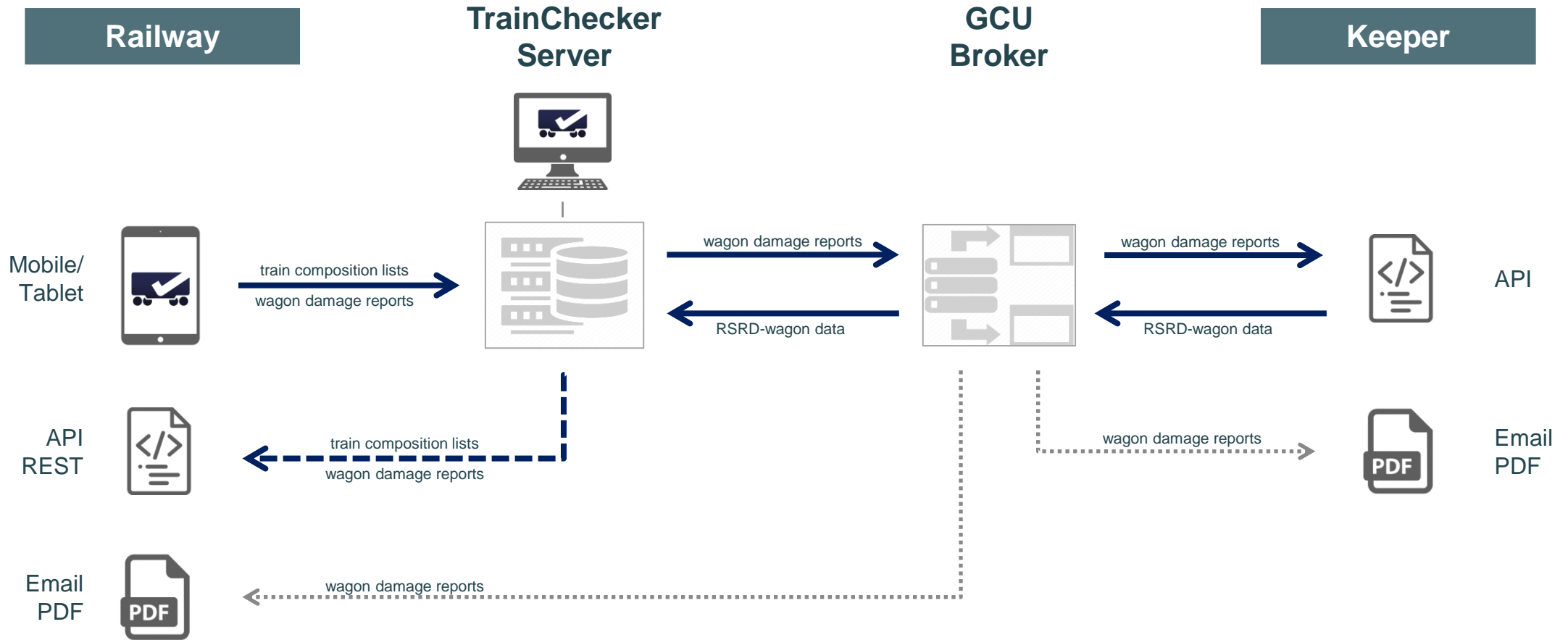
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Switch to digital tools to avoid inefficiencies from the start

- Quick creation and immediate transfer by wagon inspectors to wagon keepers

- Simple and structured user guidance with input support

- Central overview of all damage reports, also from service providers

- Connection to own IT systems via interface (API)

- Available for iOS and Android, suitable for mobile phones and tablets

All data is available via the web portal and system interfaces

More than 40 railways already send digital damage reports
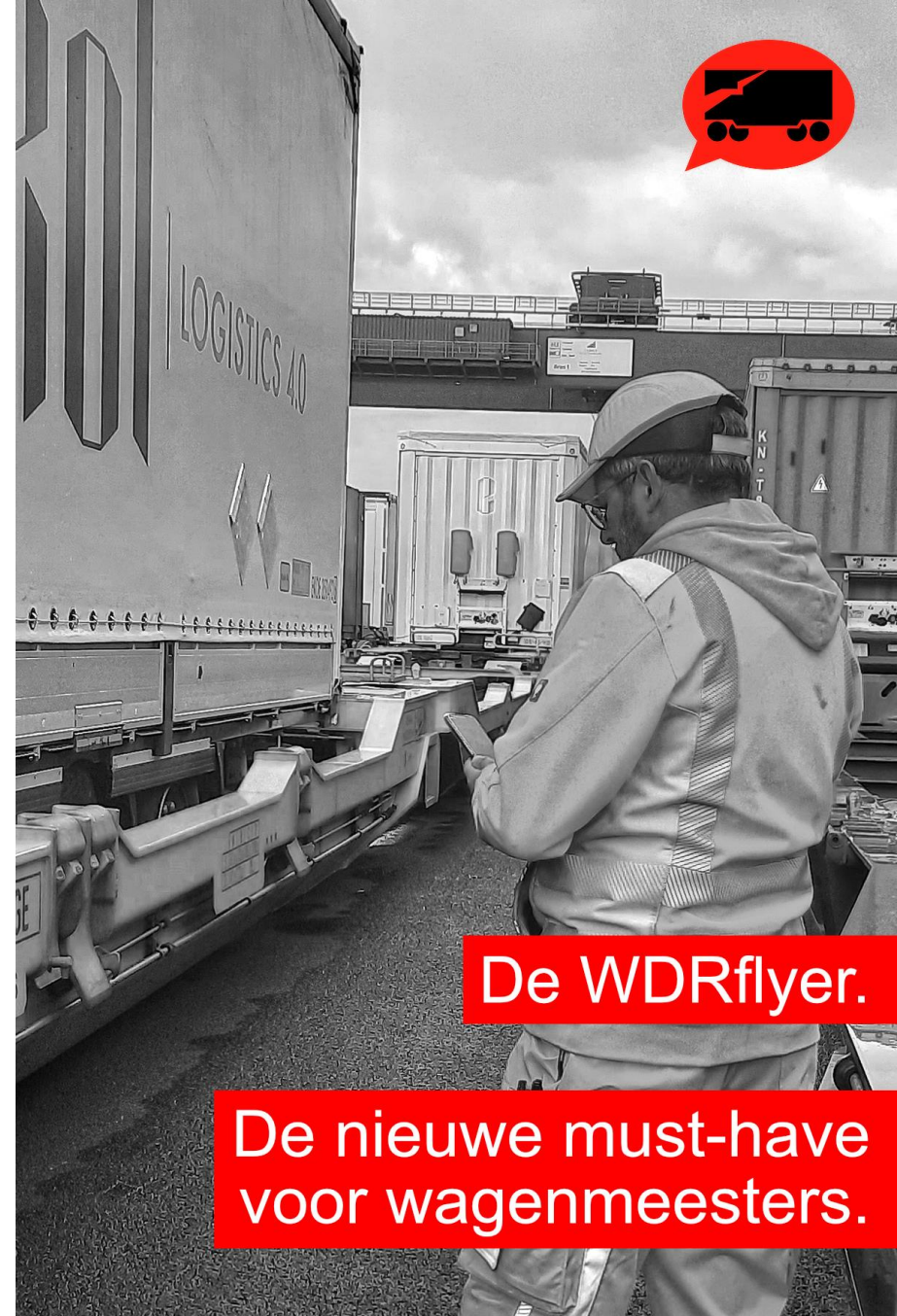
Interested?

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De WDRflyer.

De nieuwe must-have voor wagenmeesters.