

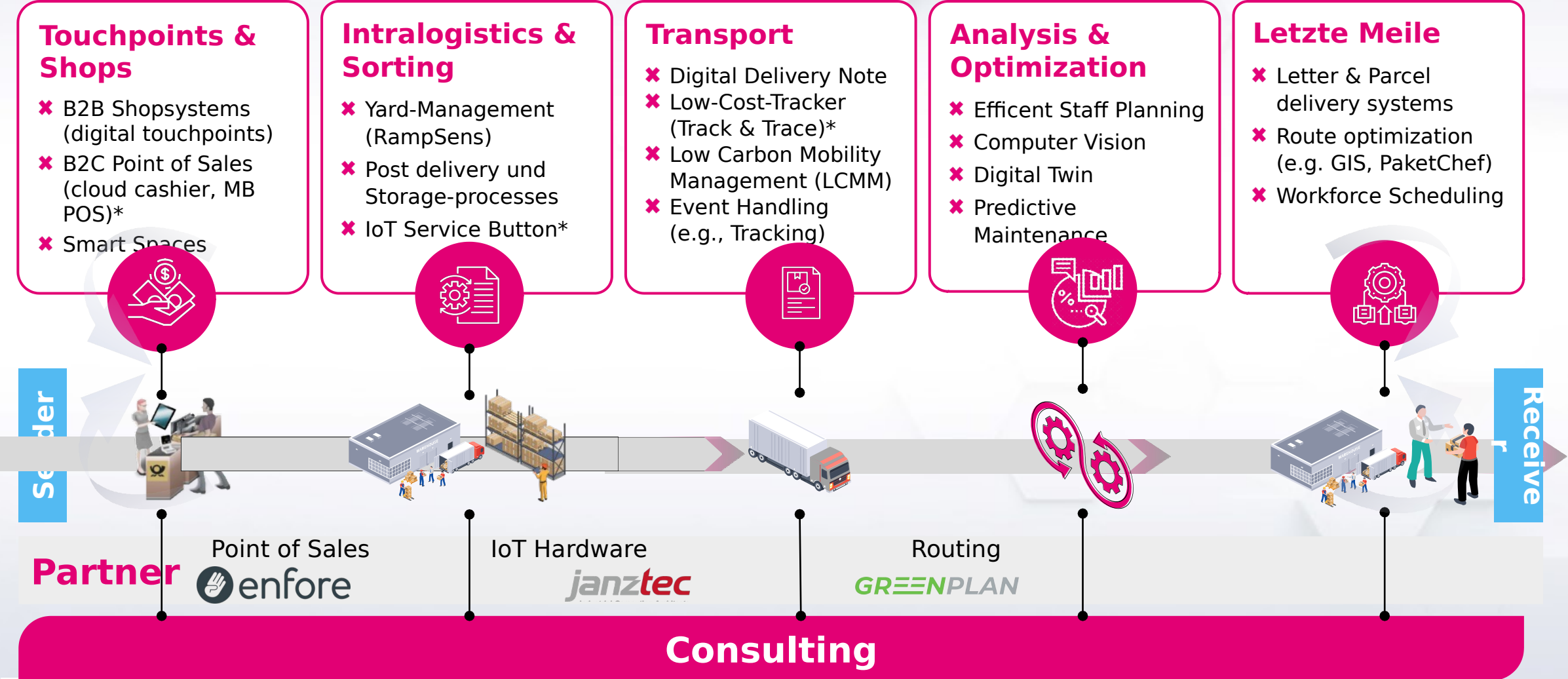


Digitaler Lieferschein (Digital Delivery Note)

Marko Vural | T-Systems International

T · · Systems · Let's power
higher performance

BU Logistics leading in digitalization of logistics processes

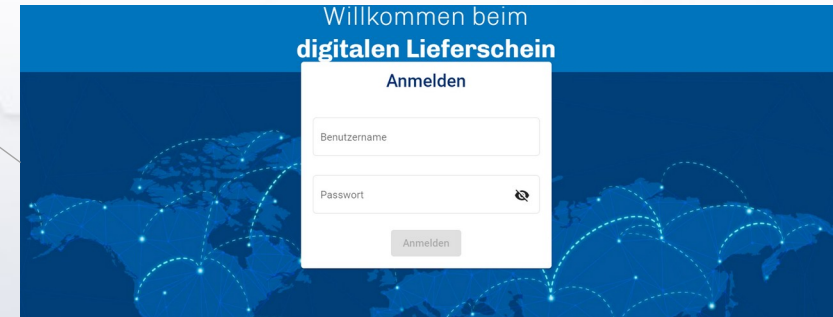


Digitaler Lieferschein

Digital Delivery Note is a BVL spin-off and the result of an innovative development



Die Online-Konferenz zur Nachhaltigkeit in der (digitalen) Transportlogistik



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Inefficiency in actual paper process concerns all participants

Producer



- ✘ Slow confirmation of delivery (avg. 10 days)
- ✘ ...leads to frequent subsequent invoice corrections (according to KPMG 12-15% of cases)
- ✘ Printing and handling of paper

Logistics



- ✘ Passing delivery note is essentially an additional postal service (without necessities for logistics)
- ✘ Papers require manual processing and archiving
- ✘ Papers can be lost in the process

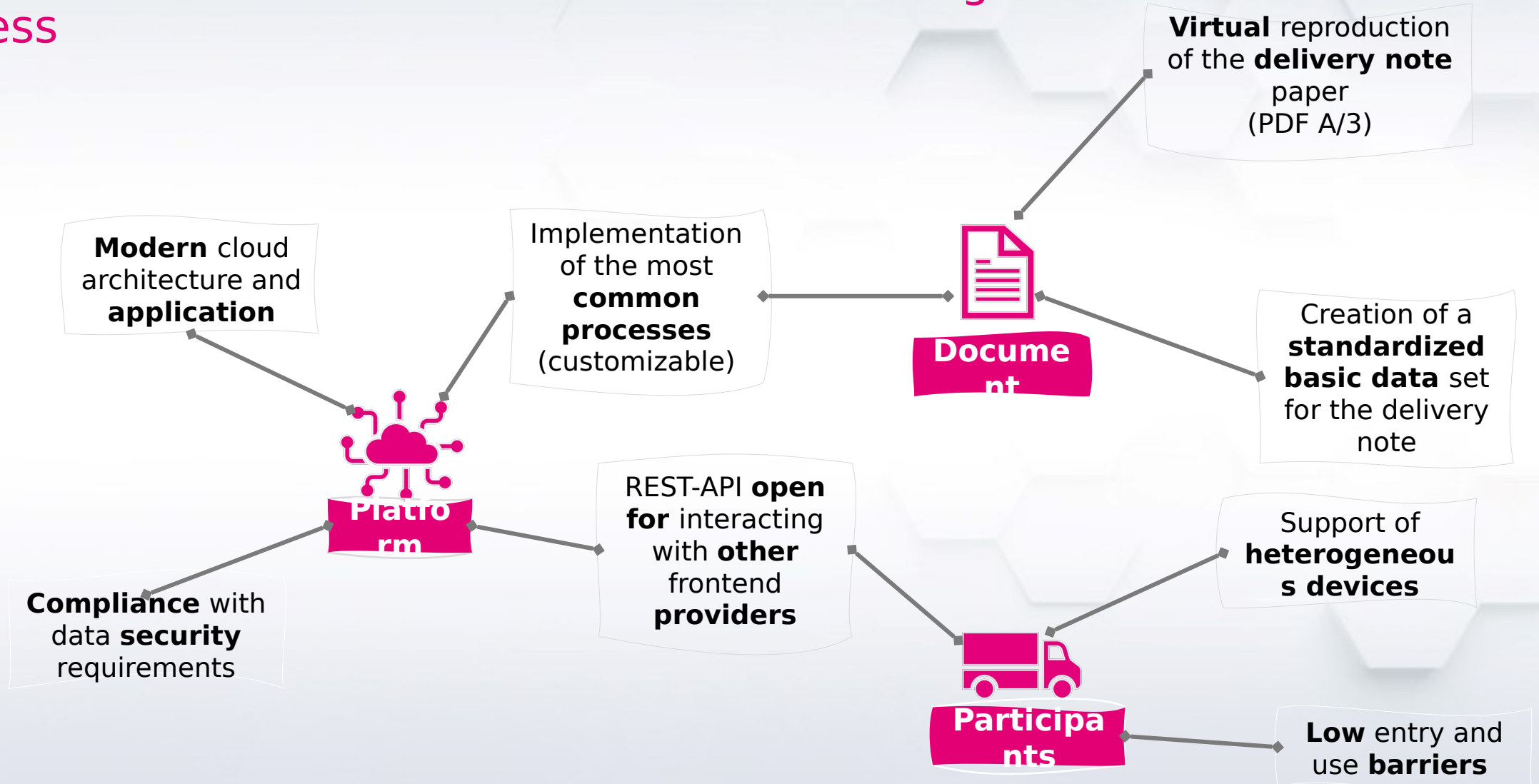
Trade



- ✘ Goods receipt posting requires a significant amount of time and effort (mostly manual process)
- ✘ Inefficient ramp processes

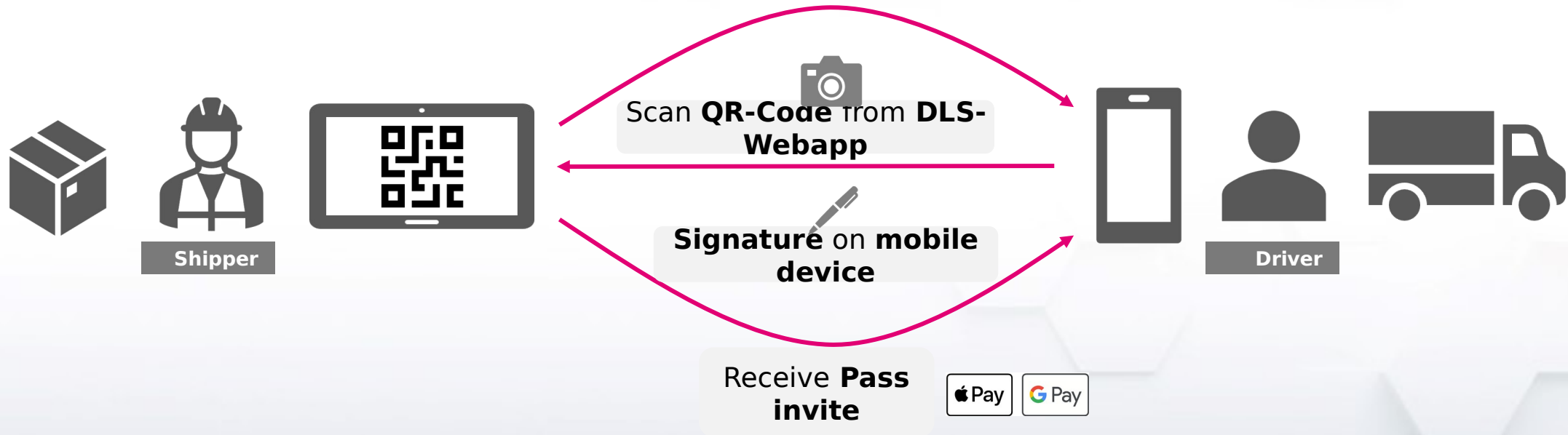
Digitaler Lieferschein

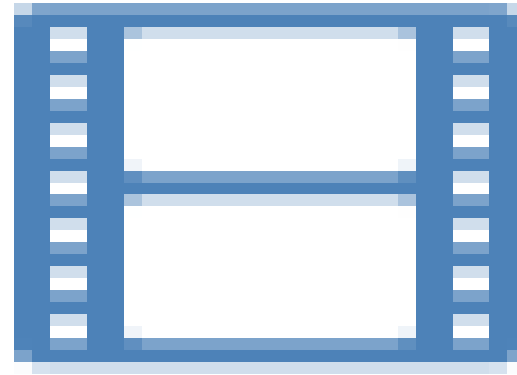
We created a modern cloud solution considering all areas of the process

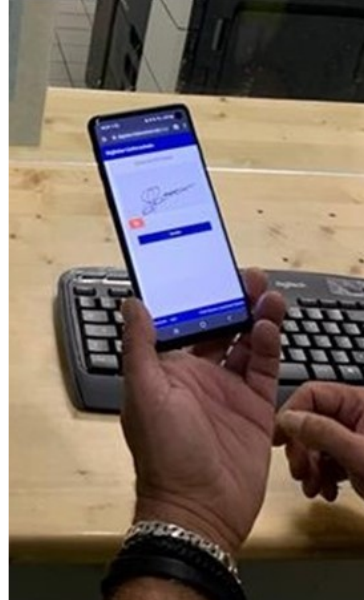
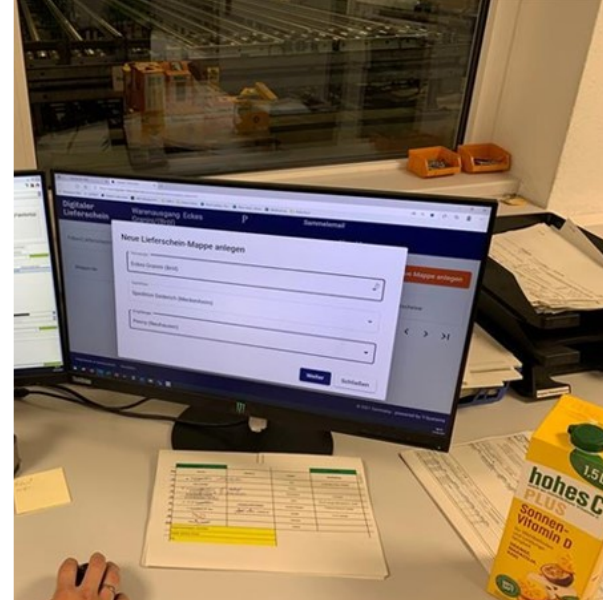
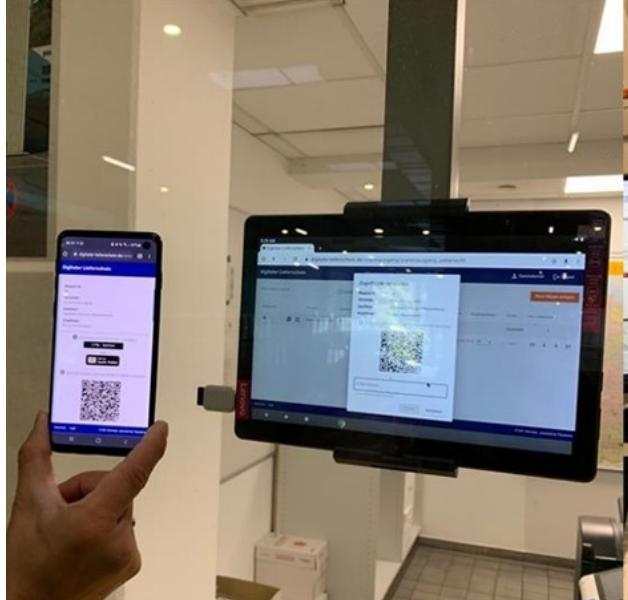
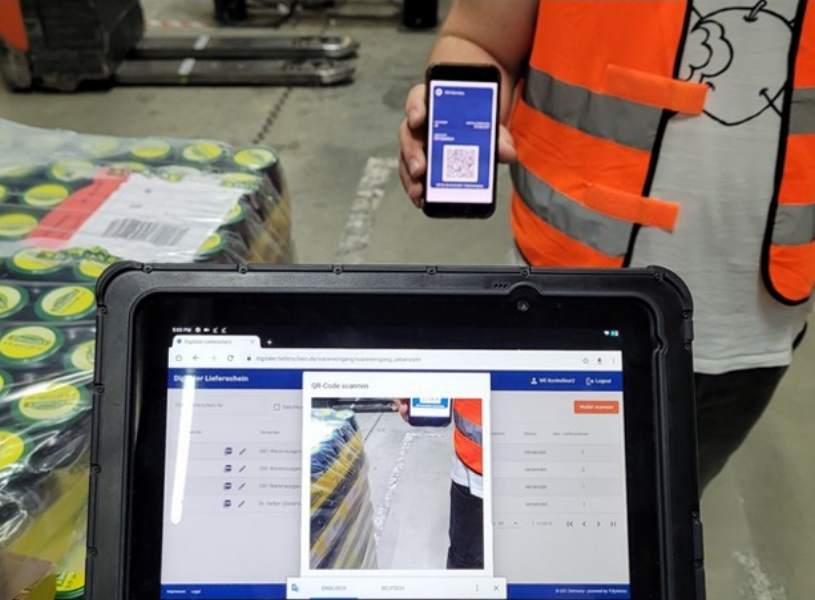


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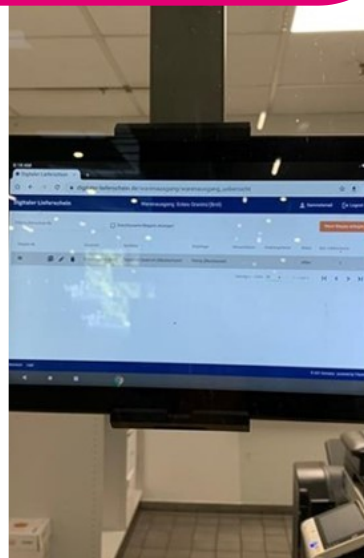
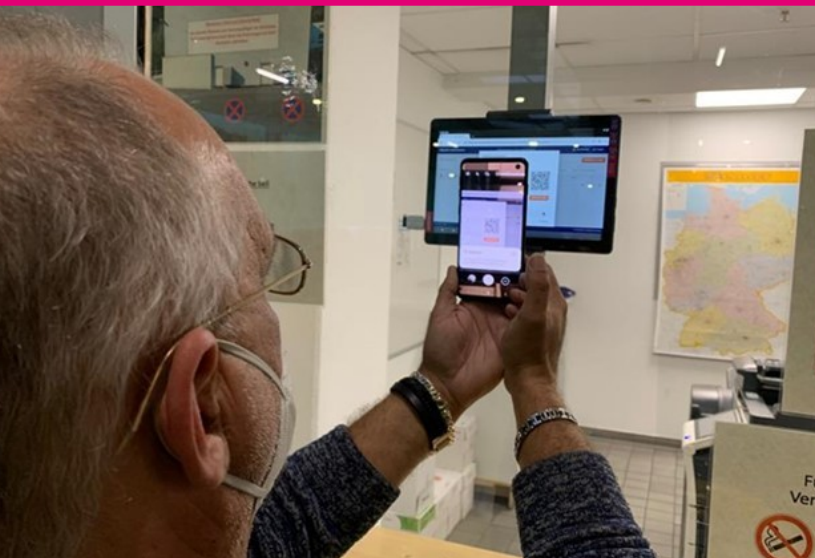
We created an innovative way to sign the digital delivery note using mobile device of the driver







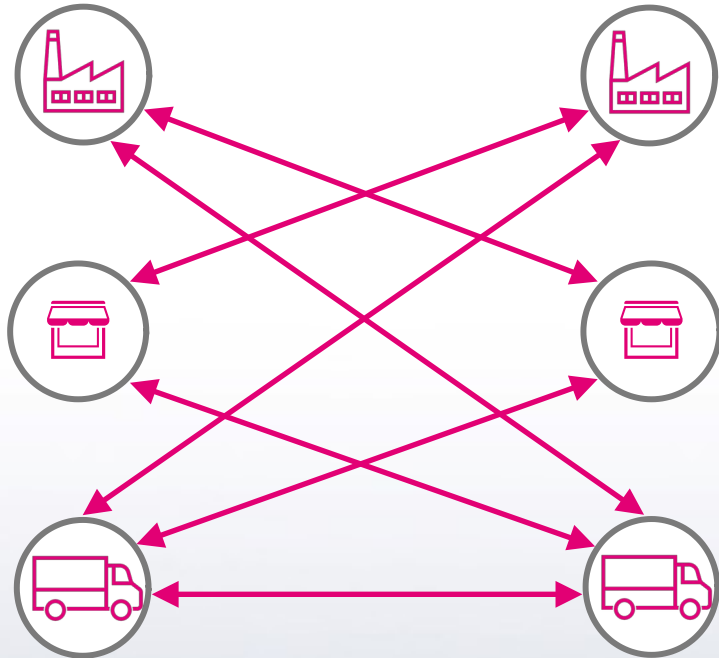
Impressions from the Digital Delivery Note pilot



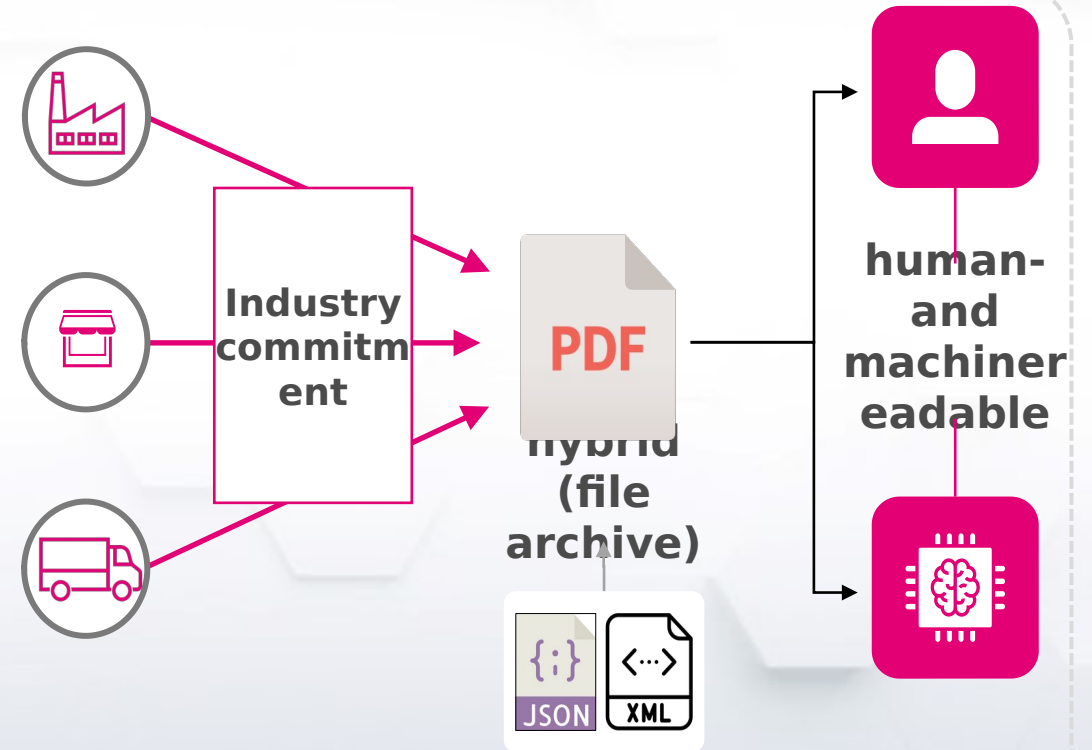
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Agreement of all participants on a set of machine-readable information stored in a PDF/A3 representing an industry standard

Bilateral relations

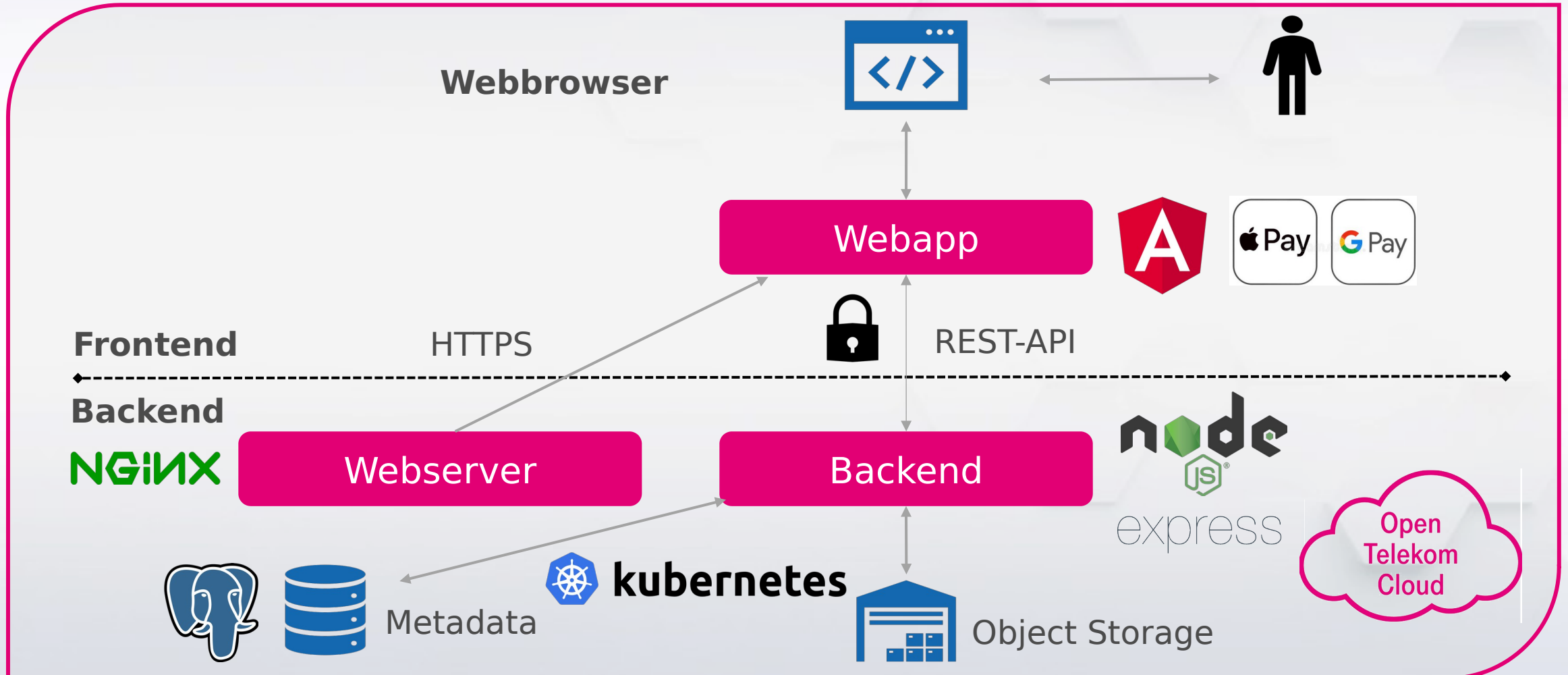


Commitment to industry standard



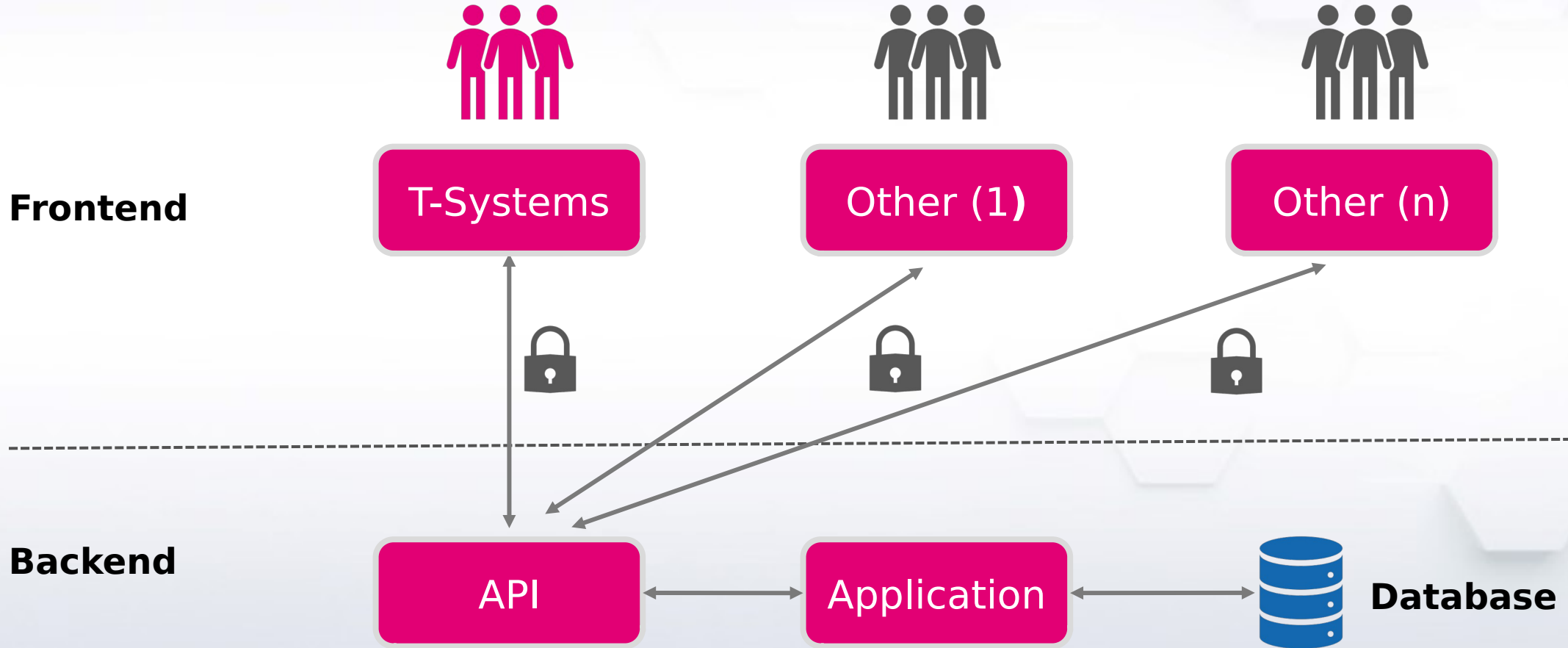
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We created a state-of-the-art webapp using specified technologies making the complex process user-friendly



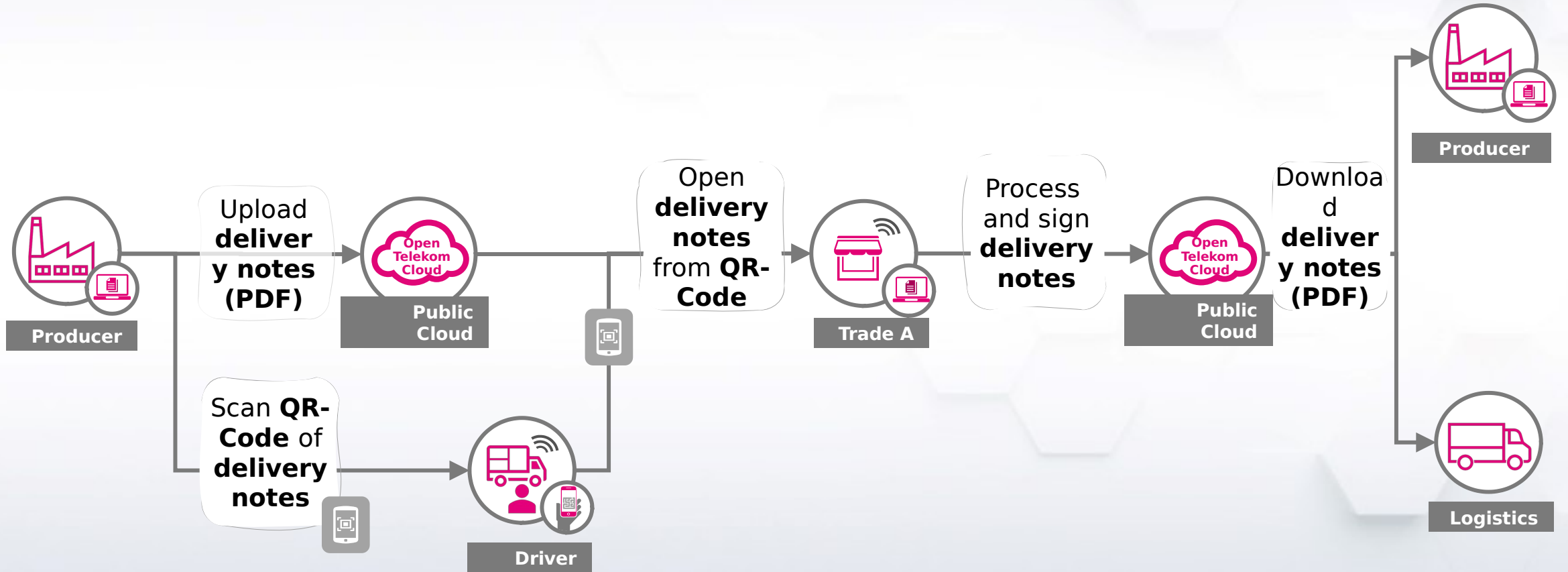
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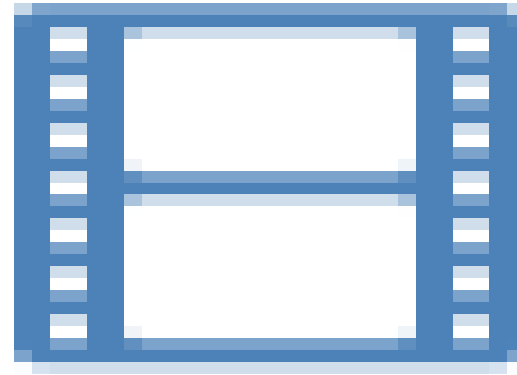
Opening the cloud API will allow third parties to interact with the application to connect existing systems



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We established a straight E2E process to handle the delivery note through all stages of the supply chain - even for untrained persons





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Digital Delivery Note has several positive impacts for all parties and accelerates process vastly

Producer



- ✓ Faster delivery confirmation and faster processing of complaints
- ✓ ...no invoice corrections because of missing delivery confirmations
- ✓ Less handling of papers, no printing or archiving

Logistics



- ✓ No paper handling (no postal service needed)
- ✓ Reduction of manual efforts in creation as well as in scanning and archiving
- ✓ Avoidance of paper handling by the driver

Trade



- ✓ State of the art goods receipt posting
- ✓ ...machine readable delivery notes
- ✓ ...ERP integration
- ✓ Reduction of manual efforts in creation as well as in scanning and archiving

Increasing supply chain efficiency through holistic processes

More security for business-critical data
More efficient ramp processes

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Digital Delivery Note is one key technology for digitization in logistics

Business Trends

Digitization

- Reduction of capacity bottlenecks by optimizing transportation management and increasing route efficiency
- Reduction of manual and paper-based processes through tracking systems
- Development of new business models to open up strategic business areas
- Investing in logistics platforms and collaboration tools for transparent supply chains and improved collaboration

Digital Supply Chain

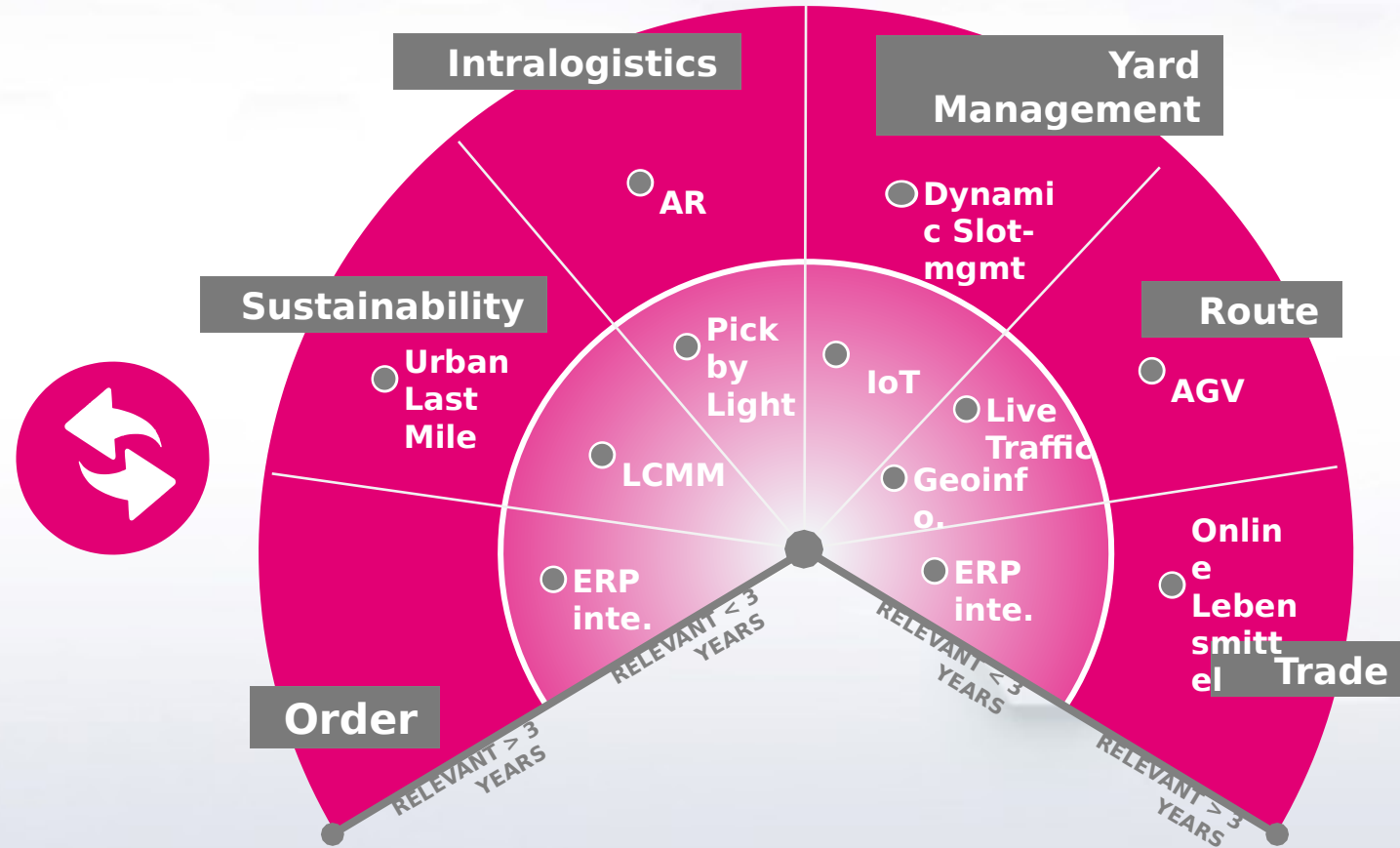
- Hardening of process chains, for a crisis-proof supply chain, from production to consumer through higher data transparency and analytics
- Transparency and efficiency in transport logistics through Estimated Time of Arrival (ETA), slot management and yard logistics

Sustainability

- Reduction of the carbon footprint through emission-free trucks, CO₂ capture and routing systems on the last mile

- Paperless logistics through digital tools and processes

Feature Roadmap Lieferschein





Thanks for your attention

T-Systems

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