MAKING THE MOST OF EVERY MINUTE
TELEMATIC ONE

LIFE IS FOR SHARING.
# PAINPOINTS OF TRANSPORTATION BUSINESSES CAUSED BY SYSTEM DIVERSITY AND DATA SILOS

<table>
<thead>
<tr>
<th>DISPATCHERS</th>
<th>FLEET MANAGERS</th>
<th>DRIVERS</th>
<th>CUSTOMER/SHIPPERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>- No seamless data flow (truck monitoring, delivery schedule)</td>
<td>- No access to current wear information</td>
<td>- Coordinating trips with dispatchers and entering data into satnav takes too long</td>
<td>- Not informed of truck ETAs</td>
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<tr>
<td>- Suboptimal resource utilization</td>
<td>- Unexpected downtimes</td>
<td>- Traffic jams and looking for parking waste time</td>
<td>- Cannot track condition of goods in transit</td>
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<td>- Incorrect deliveries</td>
<td>- Very difficult to coordinate maintenance schedules</td>
<td>- Optimize driving</td>
<td>- Deliveries do not match orders</td>
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<tr>
<td>- No visibility into resources or condition of goods in transit</td>
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<td>- Execute jobs correctly, on schedule</td>
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<tr>
<td>- Unpredictable waiting times at loading ramps</td>
<td></td>
<td>- Communicate more easily</td>
<td>- Minimize risks</td>
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<tr>
<td>- Optimize driving times</td>
<td>- Reduce organizational effort</td>
<td>- Protect from theft</td>
<td>- Save time tracking and tracing orders</td>
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<tr>
<td>- Increase visibility into routes covered</td>
<td>- Document transfers of goods</td>
<td></td>
<td>- Schedule handovers</td>
</tr>
<tr>
<td>- Protect from theft</td>
<td>- Increase truck availability</td>
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</tbody>
</table>
A COMPLETE PICTURE OF PROVIDERS, FLEETS AND DATA MONITOR AND CONTROL LOGISTICS TASKS WITH TELEMATIC ONE

AN INTEGRATED, VENDOR-NEUTRAL PORTAL FOR ALL LOGISTICS SERVICE PROVIDERS FROM A T-SYSTEMS CLOUD

- Pulls together all data in real time: vehicle data, location, movements, condition of goods and traffic
- Integrates diverse telematics systems in a single application
- Central point of control for all logistics activities

STREAMLINED TO THE MINUTE A SMART SOLUTION FOR LOGISTICS
MODULAR PORTAL FUNCTIONS FOR FLEET OPERATORS
SIMPLE, CONVENIENT VEHICLE MANAGEMENT

**VEHICLE GROUPS**
are easy to define, view and manage, including subcontractor trucks

**PERMISSIONS**
(based on roles and groups) are easy to define and manage

**TEMPERATURE MONITORING**
including time graphs, time periods, reporting, archiving

**POSITIONING**
with map views showing truck status, position history, geofences

**REPORTS**
showing overviews, maps and temperatures for single trucks or fleets – periodic or event-driven

**DATA FORWARDING**
between customers (e.g. subcontractor/shipper scenarios), displayed data can be exported

**SYSTEM INTEGRATION**
interfaces to telematics systems, dispatching systems and custom systems

**STATUS DATA**
collection and provision, e.g. wear and status of components

**ETA SERVICE**
calculates and displays trucks’ Estimated Time of Arrival

**ALERTS**
e.g. triggered by time and temperature limits, custom-configurable

ONE PORTAL, MANY FEATURES
START TODAY
TELEMATICS FROM THE CLOUD
COMPONENTS OF TELEMATIC ONE

FORWARDER/LOGISTICS COMPANY

Dispatcher/fleet manager

TelematicOne portal

Digital map

Dispatcher sends job; driver accepts or declines with a single click

Vehicle transmits status

OWN FLEET/SUBCONTRACTOR TRUCKS

Tractor unit and semitrailer have differing telematics systems

On-board unit in the truck

TELEMATIC ONE APP
Android solution as an alternative to telematics (retrofit solution BYOD/App)

T-SYSTEMS

TelematicOne
Backend/Connected Car platform

CUSTOMER/SHIPPER

INTEGRATES EVERYTHING FOR END-TO-END TRANSPARENCY

T-SYSTEMS

TelematicOne
Backend/Connected Car platform
**BENEFITS FOR TRANSPORTATION COMPANIES**

**ANALYZE AND SHARE INFORMATION IN REAL TIME**

**DISPATCHERS**
- Overview of all resources for efficient trip planning
- Improved capacity utilization
- Rapid rescheduling in response to job or routing changes
- Analytics that help reduce operating costs

**FLEET MANAGERS**
- Information on components and wear helps to optimize maintenance schedules
- Less downtime, higher vehicle availability
- Permanently ensure truck safety and reliability
- Reports, e.g. on status of wear parts

**DRIVERS**
- Receive information via their displays, saving time: jobs, parking information, text messages
- Are automatically guided to the next destination
- Are given advice on how to drive safely and efficiently
- Can be confident that deliveries will be correct: the right goods of the right quality are brought to the right place on schedule
- Minimized job-related risk

**CUSTOMER/SHIPPERS**
- Streamline their own production processes and supply chains

**ONE COMMON APPLICATION**
- Streamlines the whole chain
- Overview of all resources for efficient trip planning
- Improved capacity utilization
- Rapid rescheduling in response to job or routing changes
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TELEMATIC ONE, THE SECURE PLATFORM
FOR ALL TELEMATICS PROVIDERS AND LOGISTICS COMPANIES

PARTICIPATING SYSTEMS

TELEMETRICS PARTNERS

- Designed by T-Systems in collaboration with telematics partners
- Open to meet new market demands and customer-specific requirements
- Software for forwarding agents available from PEMA and SchmitzCargobull – including retrofit solution

[Diagram showing participating systems and telematics partners]
People, machines and information are growing closer together. **Digitization** can help meet new demands: for independence through mobile communications, for information transparency, and for creative, easy-to-use social media.

New, enhanced vehicle connectivity and a secure ICT platform offer revolutionary possibilities. The underlying concept was developed by Deutsche Telekom. It’s called Connected Car, and it’s real.

Horst Leonberger
Senior Vice President, Strategic Market, Connected Car at Deutsche Telekom
A PLATFORM FOR REAL-TIME LOGISTICS SERVICES
CONNECTED CAR & TELEMATIC ONE
THANK YOU.