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WHITE PAPER

Driving transport operations in the era of eCMR

Why digital freight changes everything and why your mobile devices suddenly matter

Transport is going digital, faster than most operators anticipate.

Across Europe, logistics workflows are shifting from paper-based processes to **real-time, structured data exchanges.** This transformation is accelerating under the combined impact of **eCMR adoption and the upcoming eFTI regulation,** reshaping how transport operations are executed, monitored and controlled.

Who should read this white paper?

This document is designed for decision-makers and operational leaders across the transport and logistics ecosystem:

- Transport and logistics companies (fleet operators, carriers, 3PLs)
- Distribution and last-mile delivery organisations
- Supply chain and operations managers
- IT and digital transformation leaders in logistics
- Odoo integrators and logistics solution providers

What you will gain from reading this document?

Operational clarity

Understand how eCMR and eFTI transform daily transport operations

Risk awareness

Identify where digital workflows create new operational risks

Reliable setup

Learn how to build a compliant, field-ready and resilient environment

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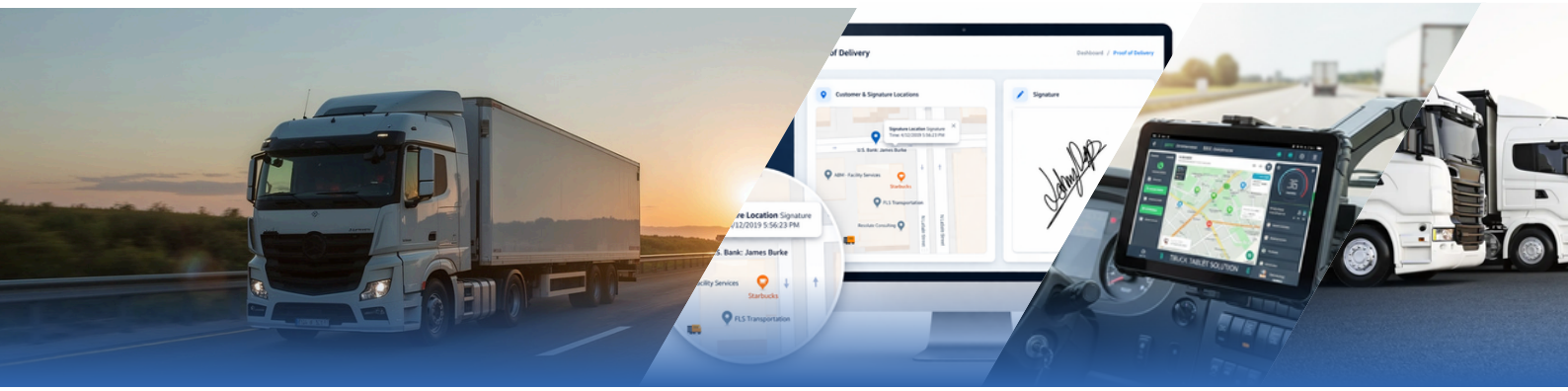
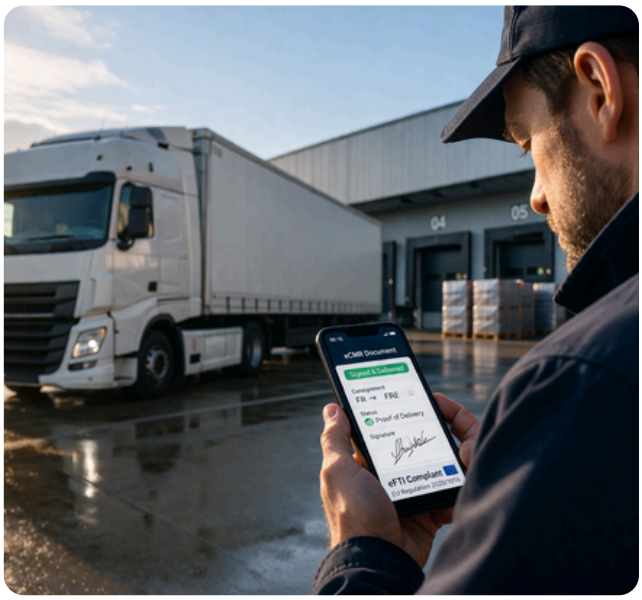


The turning point in transport operations



For decades, transport operations have relied on **paper-based processes.** While robust, **this model is increasingly incompatible with the demands of modern logistics.**

With the rise of **eCMR** and the implementation of the **eFTI regulation,** freight information is becoming **digital, standardized and instantly accessible** across the entire logistics chain.

From 2027, public authorities across the European Union will be required to accept electronic freight information submitted via compliant platforms.

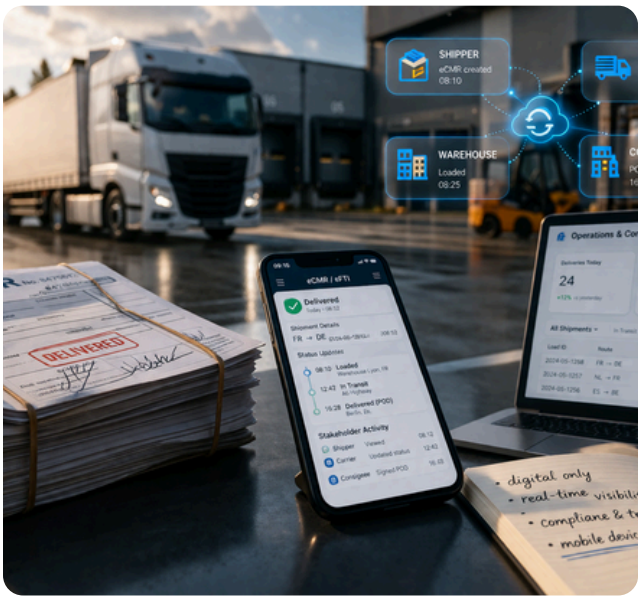
This marks a structural shift, not a gradual evolution.

For transport companies, this transformation leads to:

- the disappearance of paper-based workflows
- real-time data exchange across stakeholders
- increased compliance and traceability requirements
- higher expectations regarding operational reliability

However, one critical dimension remains underestimated.

As transport becomes digital, the mobile device becomes a central operational dependency.



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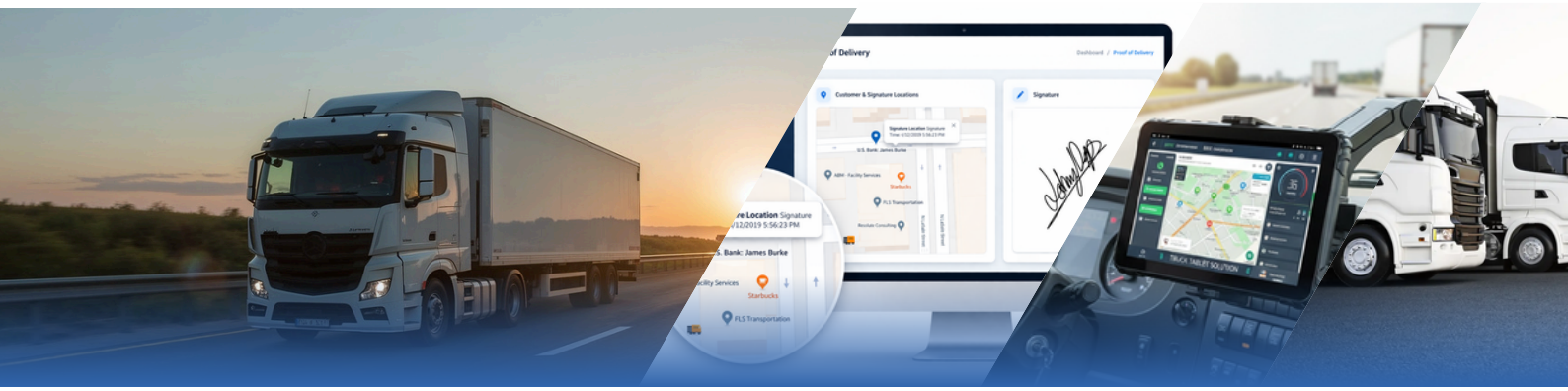

From documents to real-time transport data

For decades, transport operations have been structured around a simple model: documents move with the goods.

The CMR consignment note has been the cornerstone of this system, physically accompanying shipments and serving as proof of contract, delivery and compliance.

This model is now fundamentally changing.

The introduction of **eCMR** replaces the document with a **digital workflow,** where **information is no longer static, but continuously accessible and updated across the logistics chain.**

This shift brings several structural changes:

1

Data becomes instantly available, instead of physically transferred

2

Multiple stakeholders **access the same information in real time**

3

Updates and validations are recorded digitally, ensuring full traceability

At the same time, **the eFTI regulation introduces a new layer.**

While eCMR digitises a specific document, eFTI defines **how transport data is shared with authorities across Europe** through a standardized framework.

This distinction is key:

- **eCMR** = operational document (B2B)
- **eFTI** = regulatory data framework (B2A)

Together, they create a fully digital environment.

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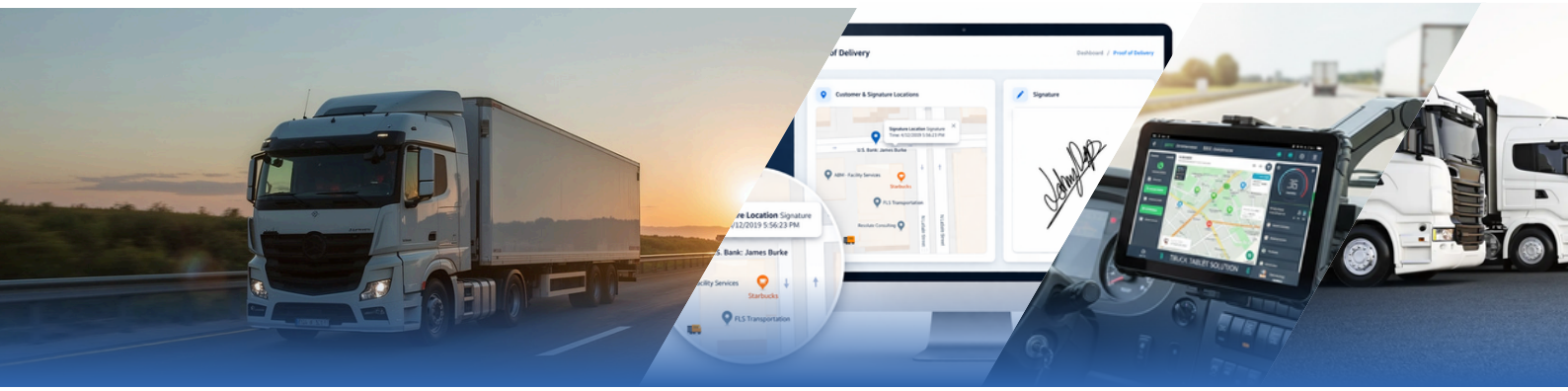


From documents to structured data

The real shift goes beyond removing paper.

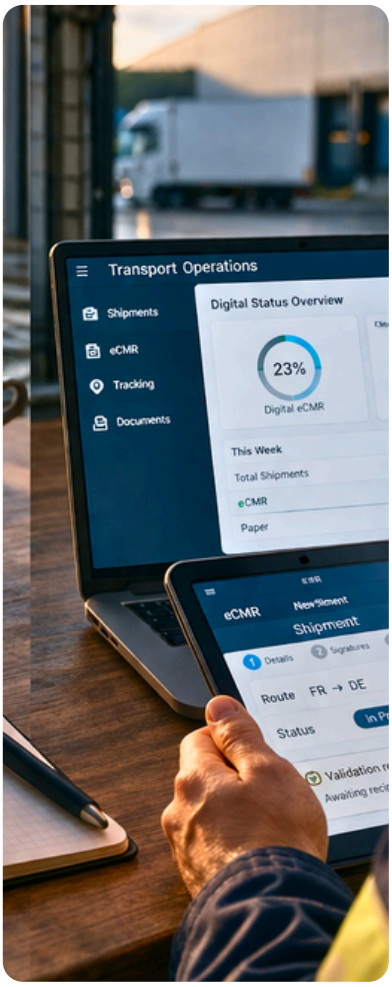
Transport companies are moving from managing documents to managing structured data flows.

Instead of files, operations now rely on:

- data generated by **TMS** and **ERP** systems
- **information shared** across platforms
- datasets that must remain **consistent** and **accessible at all times**

This enables:

- **faster inspections** with immediate access to information
- **reduced administrative friction,** especially cross-border
- **better operational decision-making** based on real-time visibility



A transformation still in its early stages

Despite strong momentum, adoption remains limited today.
Most transport operations are still paper-based, meaning the sector is at the beginning of a large-scale transition.

For operators, this creates a dual challenge:

- adopting digital workflows
- ensuring they are reliable in real conditions

What this means for operations

Driver workflows go digital
Drivers interact with digital systems instead of paper

Real-time operations
Operations teams rely on live, continuously updated data

Data-driven compliance
Compliance becomes fully traceable and audit-ready

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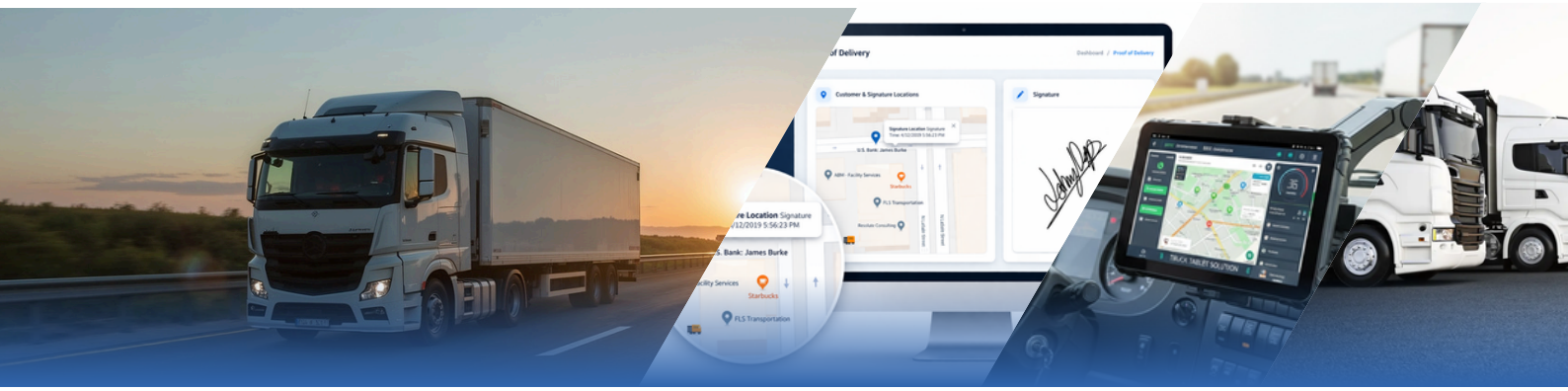

The hidden dependency: your operations rely on one device

Digitalisation simplifies operations, but it also creates a new dependency.

Today, a single device often centralises multiple critical functions:

- Transport documents
- Driver applications
- Barcode scanning
- Communication
- Navigation

This device becomes the main operational interface.

In a digital workflow, there is no equivalent fallback to paper.

If the device fails, the workflow itself is interrupted.

This leads to immediate consequences:

- deliveries can be blocked
- proof of delivery may be missing
- compliance can be compromised
- operations may slow down significantly

The mobile device becomes a single point of failure in the operational chain.

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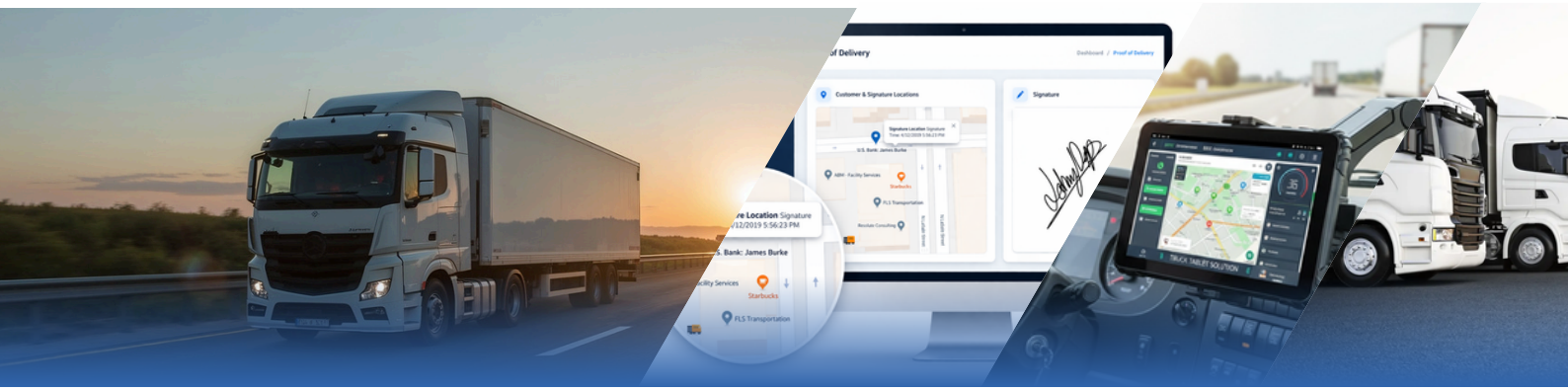


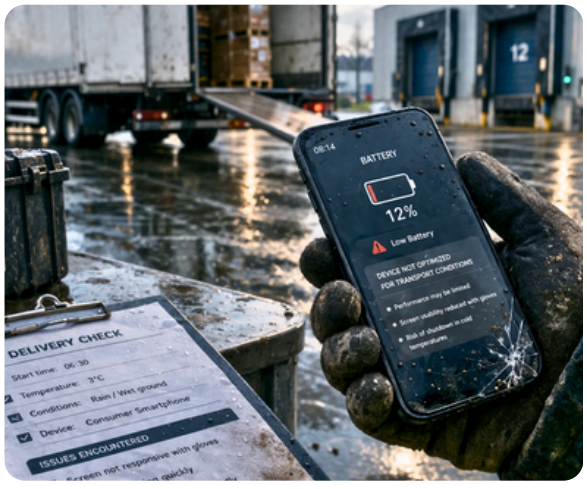
Why standard mobile devices are not designed for transport

Transport environments impose constraints that go far beyond standard usage conditions.

Devices must operate under:

- Continuous vibration and shocks
- Exposure to dust and humidity
- Long working hours without interruption
- Outdoor environments & temperature variations
- Usage with gloves

Consumer devices are not designed for these conditions.



As a result, they often lead to:

- insufficient battery life for full shifts
- reduced usability in real working conditions
- higher breakage rates
- unpredictable downtime

In a fully digital workflow, these limitations have a direct operational impact.

Without a reliable device, operations cannot continue.

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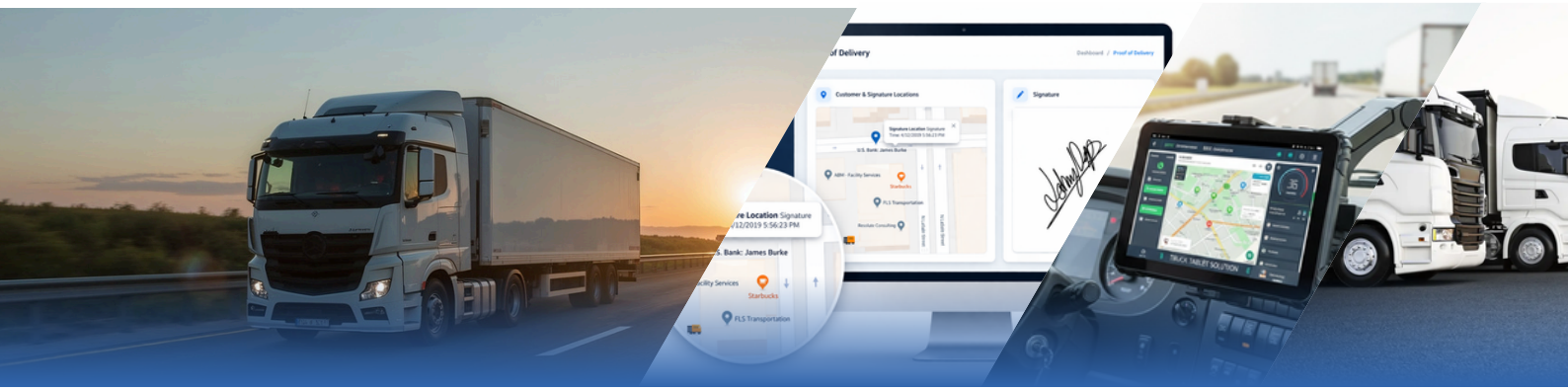


Building a reliable digital transport environment

Adapting to digital transport requires more than selecting a device. It requires building a **complete and reliable operational environment.**

Professional mobile devices

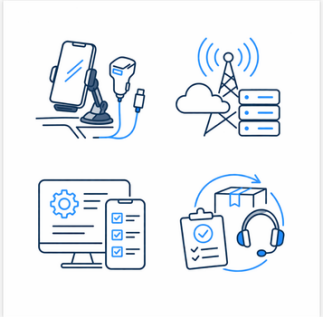
Rugged devices designed for field operations provide:

- extended battery life
- glove-compatible touchscreens
- integrated or external scanning capabilities
- stable connectivity (WiFi, 4G, 5G)

PACEBLADE
SMART SOLUTIONS 2 GO 4

Devices such as the PaceBlade range are designed to operate in demanding transport environments.

A complete operational ecosystem



Reliability depends on the integration of multiple components:

- accessories (vehicle docks, mounts, charging solutions)
- connectivity infrastructure
- mobile device management (MDM)
- deployment, staging and support services

In practice, the challenge is not only to equip teams, **but to ensure that devices remain operational at all times.**

Performance depends on the consistency of the entire system.

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From operational efficiency to business impact

When properly implemented, digital transport delivers measurable results.

Operational efficiency

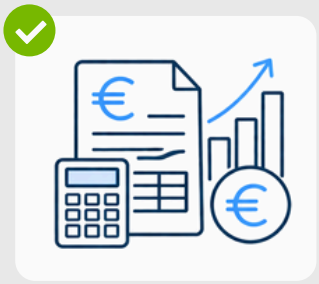
- elimination of duplicate data entry
- faster document processing
- real-time visibility

Compliance and traceability

- time-stamped and geolocated data
- secure and auditable documentation
- simplified inspection processes

Financial impact

- faster invoicing cycles
- reduced administrative costs
- fewer operational disruptions



Beyond efficiency, digitalisation enables **more predictable and controllable operations, improving service quality and planning accuracy.**

Conclusion: performance now depends on reliability

The transport industry is entering a new operational phase.

Paper-based processes are progressively disappearing, while data becomes the standard and compliance shifts towards fully digital models. This transformation is reshaping how **transport operations are executed, monitored and controlled across the entire logistics chain.**

Adapting to this new environment is no longer optional. However, beyond regulation and software, one factor remains decisive: the reliability of field devices.

In a fully digital environment, operational performance is no longer defined solely by speed, **but by the ability to operate consistently, reliably and without interruption.**

Preparing your operations for digital transport

eutronix supports logistics operators with:

- rugged mobile solutions adapted to field operations
- end-to-end deployment and lifecycle services
- integration with existing transport systems

Let's discuss **how to secure your operations** in the era of **digital freight.**

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Your operations don’t stop. Neither should your devices.

In a fully digital transport environment, every failure has an immediate operational impact.

We help logistics operators secure their operations with reliable mobile solutions designed for real field conditions, from hub to last mile.

Contact our team of experts today.
We’ll help you design a setup that ensures reliability, compliance and long-term operational efficiency.

eutronix Belgium
1300 - Wavre

+32 10 39 49 00

Contact us

eutronix France
78870 - Bailly

+33 1 34 61 61 46

Contact us

eutronix Netherlands
4744 RZ Bosschenhoofd

+31 76 52 45 330

Contact us

About eutronix

- Dynamic company specializing in hardware solutions and electronic automation equipment
- Value-added distributor
- Founded in 1999
- Headquarters in Belgium
- Branches or subsidiaries in France, the Netherlands and the United Kingdom
- A team of 40+ people

eutronix’s markets

- Healthcare
- Hospitality
- Retail
- Leisure
- Transport & logistics
- Industry
- Access control & people identification
- Signalling
- Field service
- Oem & IoT