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*Mastersped<sup>®</sup>  
innovative solutions and  
federated services for  
freight forwarding and  
customs operators*

2026

# Technological pillars and core features of the Circle Group ecosystem



## Multi-language

Interface localised into multiple **languages** to operate globally without barriers.



## Multi-Company

Centralised management of **multiple legal entities** with instant data consolidation.



## Scalable

Modular architecture that integrates seamlessly, ensuring **consistent performance** at all times.



## Cloud-Based

Access from anywhere via a highly reliable **native SaaS** infrastructure.



## Single Sign-On

Secure, single sign-on via integrated **standard protocols** (OIDC/SAML).



## Onboard Cybersecurity

Built-in protection for **maximum** data **resilience** against cybersecurity threats.



## NIS 2 Compliant

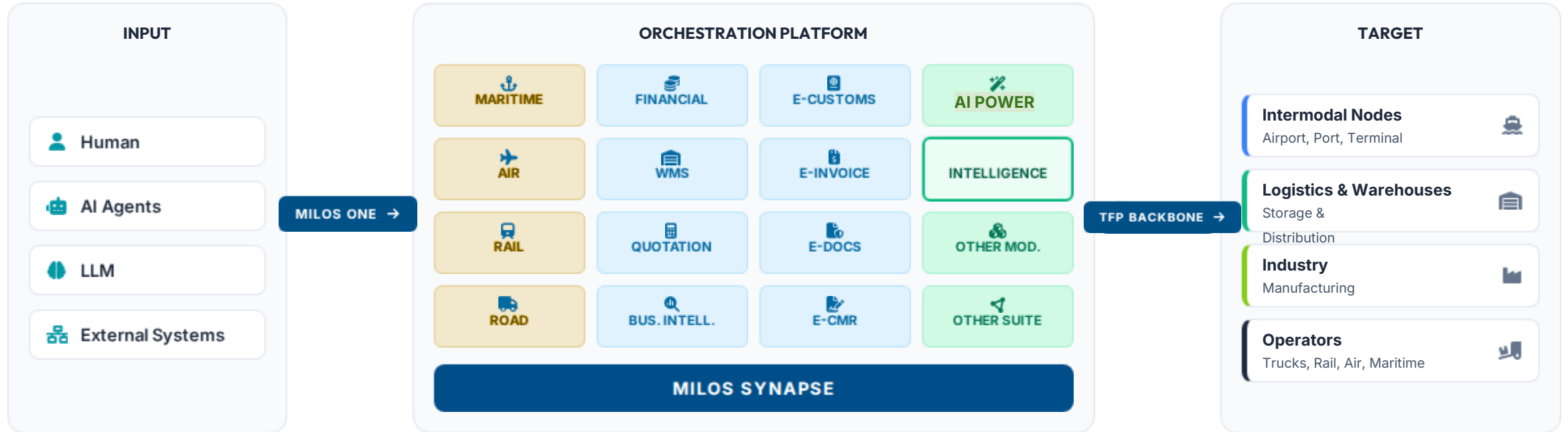
Full compliance with the requirements of the **European Directive** on risk and security management.



## Microservices

Maximum **modularity** through microservices and on-demand modules.

# Supply Chain Ecosystem: Integration Architecture



**1 Interoperable Platform**  
All connected solutions in a **single** interoperable **hub**.

**AI Power**  
Predictive models and native **artificial intelligence**

# Focus on the AI Power & Milos Intelligence Modules



## Innovative solutions for freight forwarders

Mastersped®: an advanced management platform integrated with tracking systems (IoT devices) and an intermodal transport information system.

**Sea, Air, Rail, Road, Logistics and Warehousing, Customs, Finance**

Advanced integration procedures with intermodal logistics hubs. Integration with innovative customs procedures and the **IFSTL & IoT** approach



## Integration & KPI Dashboard

It enables significant improvements in terms of

Efficiency – Cost reduction

Increased performance

Specific connectors integrated with Circle Group solutions (e.g. Milos® GSCV – Green Dashboard) and connectors with third-party systems that enable the development and integration of specific dashboards for analysis and reporting (Cargo Five, Kmaster®)



## Business Intelligence

A Power BI-based platform that harnesses the benefits of Business Intelligence to  
Timely analysis of performance and data  
Reports and KPI dashboards

The solution is interactive, intuitive and customisable, providing a real-time overview of the strategic components of the business.



## eFTI & document dematerialisation (e-CMR | e-DDT)

The Circle Group's digital solution optimises international transport by eliminating paper through the use of e-CMR, improving speed and efficiency whilst reducing errors.

Compliant with the new ADM requirements (in force from 2 December), it automates customs workflows and provides digital proof of delivery, export and compliance with tax regulations for international documents (e-CMR / e-DDT).



## Simplified customs solutions

The Circle Group's digital solution utilises simplified and digitised customs procedures – for sea, rail and road freight – and 'Air Fast Transfer' – fully compliant with EUCC – facilitating the exchange of services between national customs agencies, ports, airports and operators

Reduction in costs associated with the import/export cycle  
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**References  
&  
ROI**

# The freight forwarders' ecosystem in the world of logistics

The management software dedicated to the world of **Logistics & National & International Freight Forwarding**

## Interoperability & Added Value

- e-CMR/e-DDT:** Document digitisation and transaction traceability.
- Maritime:** Tracking, booking and standard shipping instructions.
- Customs:** Simplified procedures (including USA–Japan).
- BI & AI:** KPIs, analysis and dynamic reporting.
- Finance:** Operations and supply chain management.
- Document Management:** Centralisation of data and documents available in real time, integrated documentation
- Air freight:** Full visibility and control of operations.

### **Import & Export**

Land, Sea and Air. End-to-end international management.

### **Warehouse & WMS**

3PL, Contracts, Accounting and Visibility Portal.

### **Administrative Management**

Finance, VAT, Analysis

### **Interoperability**

PCS, MTOs, Customs and intermodal operators.

### **ESG Sustainability**

CO<sub>2</sub> emissions monitoring and real-time tracking.

### **Land and Intermodal Transport**

Simplified & integrated transport, document visibility, integration, e-CMR

### **Artificial Intelligence & Business Intelligence**

INTEGRATED MASTER & PARTNER MODULES



## Advanced Management

- ✓ Precise and **customisable** search filters.
- ✓ Columns that can be customised for each user.
- ✓ Instant data export to **Excel**.
- ✓ Integrated **UN/Lo code** management.
- ✓ Integrated collection directly within the dispatch process.

## Quick Actions (One-Click)

Full integration of all relevant information:

- ✓ Archived documents and maps.
- ✓ Tracking and tracing systems.
- ✓ Integrated email management.
- ✓ View customer location and event history.

## Customer Relationship Management

- Add a new event linked to a customer
- Creation of promotional campaigns
- Efficient case management
- Interactive charts updated in real time and downloadable to Excel, Costs & Revenues, Full performance monitoring, Turnover for financial statements

## Rates & Quotes

Integration with third-party portals

Quotations for customers are simplified and streamlined, always highlighting the latest events

Simplified entry of cost and revenue items, with up to three quotes that can be compared simultaneously.

Easy access to quotes from companies and suppliers, with all management functions available at the click of a button

## Customs & CBAM

New configurable search system, columns customisable for each user, Excel export

Full and automatic sending and receiving of data flows via the AIDA system. Integrated management support for control/error messages.

Automatic detection of outcome and visible tracking of invoice status (cleared, OK, blocked)

Fully compliant with the CBAM Regulation.

## WMS & Radio Frequency

Product identification via barcode

Checking product/document correspondence

Allocation batches, loading units, etc.

Tick box for incoming documents

Proposed picking by sort order or random selection

Checking product/document correspondence

Packaging



# The digital age for freight forwarders: unprecedented efficiency

In the freight forwarding sector, **speed** and **efficiency** are key concepts. MasterSped® enhances existing functionalities in administration, operations and tracking, and introduces new features based on **Artificial Intelligence and Business Intelligence** technology for improved strategic control



**Automation** that simplifies accounting



Simple, Smart & Fast



**Full visibility** of transport (Road / Sea / Air)



**Dashboard** powered by PowerBI



**'Beyond Data Entry'**

**AI that drives your shipments**

*Automatic posting of outgoing invoices*

*Automatic posting of supplier invoices*

*Automatic verification of supplier invoices*

*Cost matching*

*TARIC data download*

*Automatic posting of delivery notes and documents*

*Automation of 'Non-Releaseable' Status Retrieval*

*Automation of customs forms and schedules download*

*Dashboard providing comprehensive, real-time visibility*

*Intermodal transport tracking*

*Radio frequency Transit warehouse*

*Enabling External Portal Connectors*

- ✓ Accuracy and speed
- ✓ Reduction in manual errors
- ✓ Data accuracy and cost control

- ✓ Reduction in processing times
- ✓ Compliance with regulations
- ✓ Proactive approach

- ✓ Greater punctuality
- ✓ Greater efficiency in the warehouse
- ✓ Integration with operators and visibility

# The new ecosystem-based approach to creating value

The new version of MasterSped® is conceived as an 'open and expandable platform', enabling operational flexibility

## Added value

Not just a simple update, but a complete paradigm shift in the way logistics value is delivered

- Focus on a **better user experience**
- Information silos broken down
- A streamlined and centralised environment

## Interoperability

A pervasive and invisible layer that natively ensures visual and technical consistency across all Circle Group Suites

- Ensures **Single Sign-On (SSO)**
- Resolves data interoperability issues
- A single, shared technological standard

## Modularity

MasterSped's modules become dynamic and 'decomposable' into microservices ready to be integrated on-demand.

- Activation of only the necessary modules
- A bespoke experience for the customer
- Native integration with third-party systems

MasterSped® does not merely collect information, but actively processes it by natively integrating the power of **Artificial Intelligence**:



## Integration with Circle Group's AI-based suite > Milos Intelligence

Proprietary algorithms and models for predictive analytics and the optimisation of core logistics processes

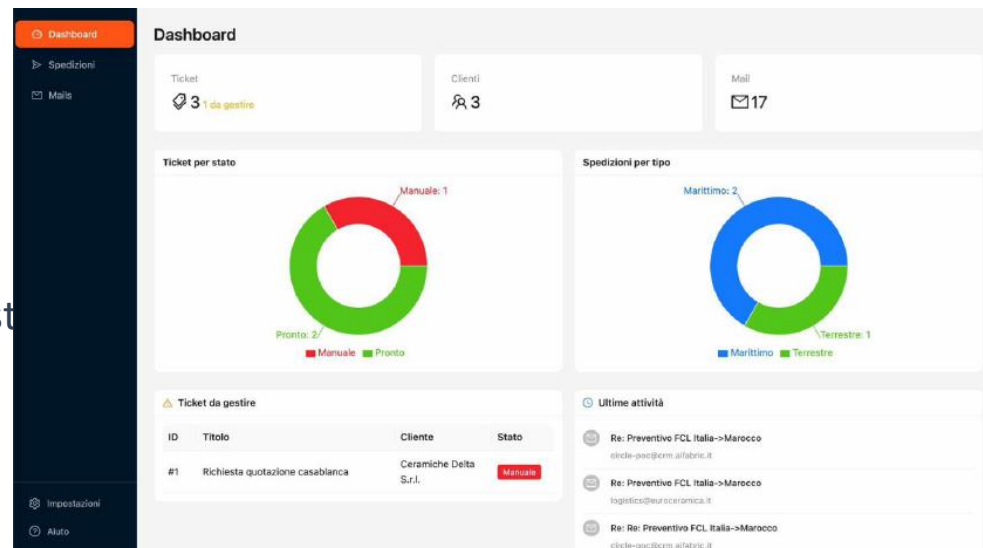

## Hybrid & agnostic AI

To ensure maximum efficiency, accuracy and cost optimisation, we adopt a flexible and agnostic approach to artificial intelligence models

- **Proprietary Models** Developed and trained specifically to ensure maximum control, privacy and specialisation in vertical tasks.
- **Commercial Models:** Integrating the best technologies on the market (such as Gemini or Claude) when advanced reasoning capabilities, linguistic flexibility and a broad generalist knowledge base are required.


The virtual assistant acts as a **smart bridge** between chaotic email enquiries and the structured quotation system, transforming the chaos of emails into structured data. It is a digital collaborator designed to **understand, interact with and optimise** the quotation workflow.

- ✓ **Comprehension:** Analyses natural language and technical terms.
- ✓ **Autonomy:** It manages responses by requesting missing data from customer.
- ✓ **Accuracy:** Converts every detail into ready-to-use data.


### Reception

Monitors the inbox and instantly identifies every new freight opportunity.




### AI Analysis

Extracts relevant data, interprets industry abbreviations and validates locations.




### Integration

The data is organised in digital format and is ready to be quoted in the terminal.



### No More Chaos

Group emails by case; even if the customer replies to different threads, the conversation is consolidated.



### Ready-to-Quote

Once all the data is ready, you receive a structured file. All you need to do is enter the final price, without wasting time copying data.

**90% less**

The time spent on manual data entry is eliminated, allowing you to focus solely on your business strategy.

- ✓ **Immediate responsiveness:** Respond to customers in minutes rather than hours.
- ✓ **Quality of working life:** No more stress over missed emails or incomplete data.
- ✓ **Professionalism:** Polite and accurate automated communications, always in the customer's language.
- ✓ **Speed:** Responses to uploaders are five times faster.
- ✓ **Focus:** Frees people from repetitive tasks so they can sell more.

## Innovative solutions for freight forwarders

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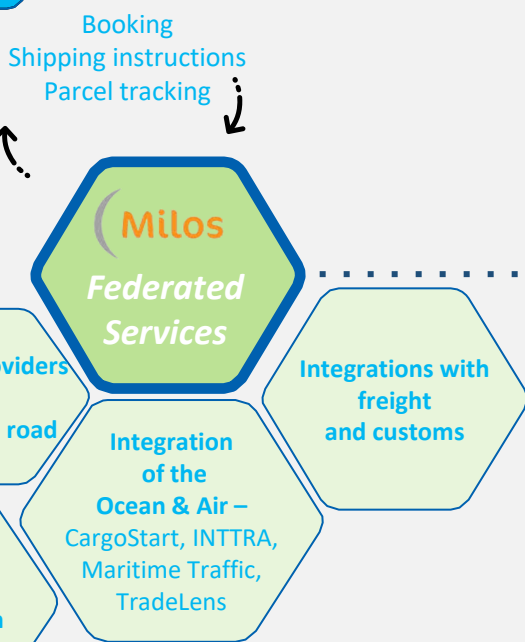


**References  
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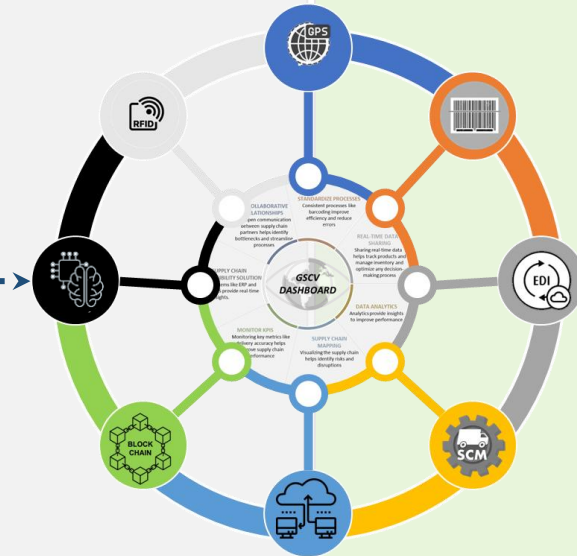
## Data sources:



Milos® GSCV offers **direct integration with shipping lines** to obtain detailed and standardised data. Where direct integration is not possible or not required, it provides digital connectivity with various platforms and shipping agencies.



## Business results:



Line	Part	Part No	Part Name	Part Description	Part Status	Part Date	Part Qty	Part Unit	Part Price
101	101	101	101	101	101	101	101	101	101
102	102	102	102	102	102	102	102	102	102
103	103	103	103	103	103	103	103	103	103
104	104	104	104	104	104	104	104	104	104
105	105	105	105	105	105	105	105	105	105

22AE03490

Company: Deschere-Luthansa - 020

Ship: FTBL02

Port: CNPVG

Period: 19/12/2022 07:35 January

19/12/2022

SCM: DESLA SC

IT: FTBL02: DESLA SC

19/12/2022 07:35 January

CN: CNPVG: DESLA SC

19/12/2022 07:35 January

Table with columns: Origin, Destination, Status, Progression, Status, Date

Table with columns: Company, Site, Origin, Destination, Status, Progression, Status, Date



Port community systems



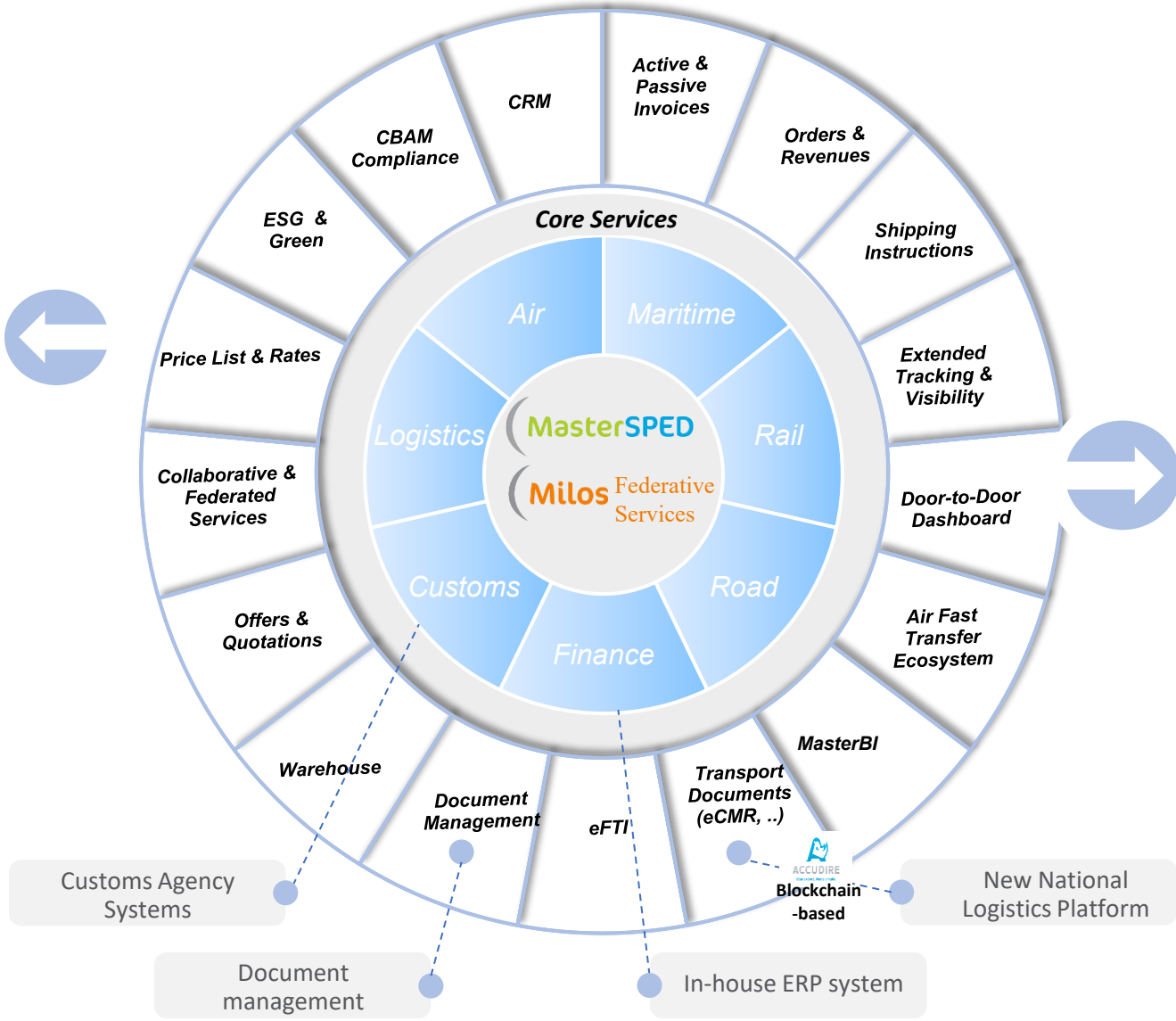
Third-party logistics



Air freight Community systems



Inland and port hubs



## MARITIME

- DCSA-compliant
- MAERSK
- CMA CGM
- YANG MING
- Hapag-Lloyd
- MSC
- MarineTraffic
- INTTRA by e2open



## AIR

- Visibility between airports
- StarTracking



# Main Connectors



## Key features:

- › Calculation of CO<sub>2</sub> and pollutant emissions
- › Reporting in PDF/Excel
- › API integration
- › Advanced filters and analysis

## Key objectives:

- › **Emissions monitoring:** in real time, across all modes of transport
- › **Compliance:** supporting ESG reporting and the EU's sustainability targets
- › **Smart decision-making:** optimising logistics with data-driven analytics
- › **Certified KPIs:** providing verifiable environmental performance metrics
- › **Centralising data:** aggregating emissions on a single, unified platform

## Benefits:

- › **ISO 14083:2023 certification:** emissions calculations ready for verification
- › **End-to-end coverage:** full integration across all modes of transport
- › **ESG and regulatory compliance:** alignment with sustainability frameworks
- › **Transparency and traceability:** share reliable data with stakeholders
- › **Smarter, safer operations:** minimise manual errors and optimise workflows
- › **Actionable insights:** emissions reduction across the supply chain

## Key features:

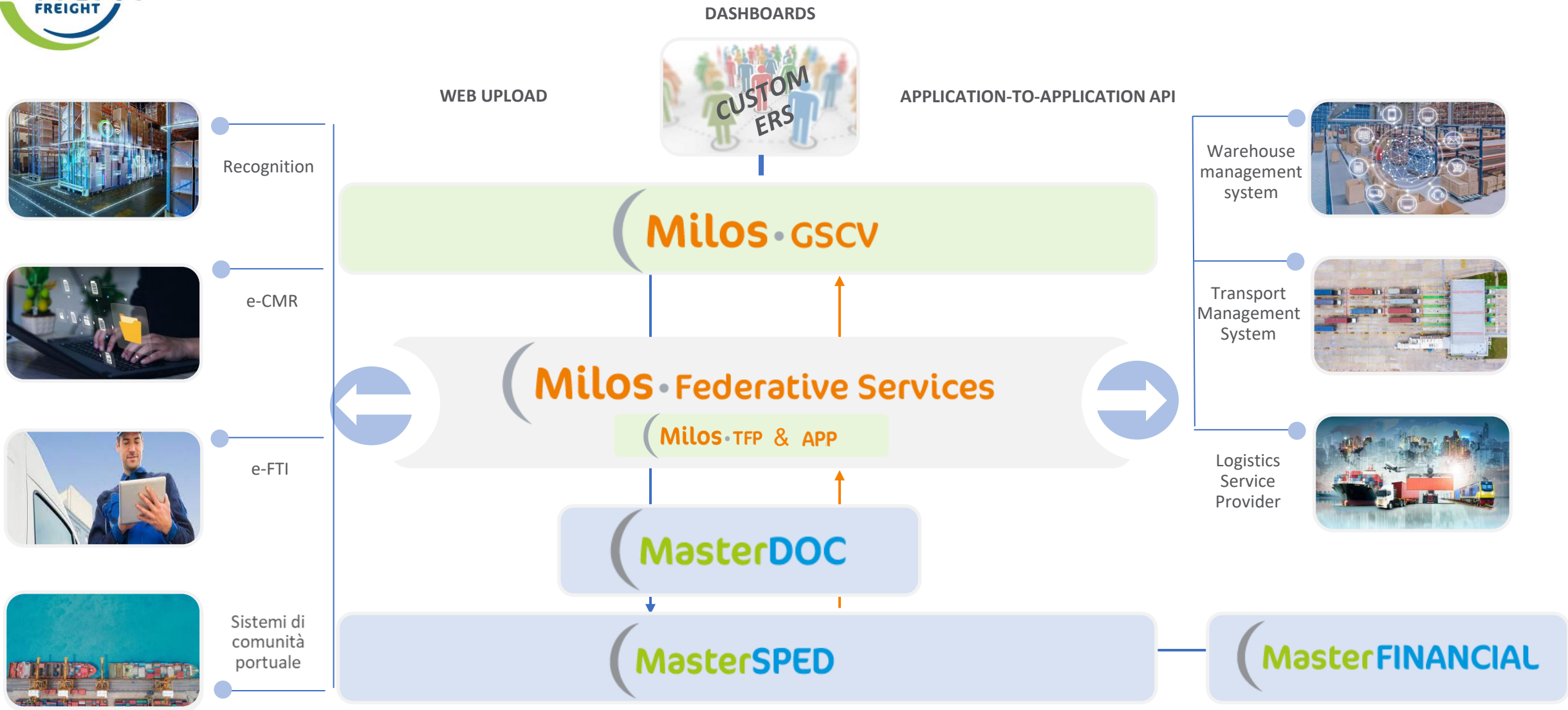
- › A comprehensive, integrated solution for financial planning, banking and accounting, including integration with ERP systems and banking providers
- › Quick and easy implementation with pre-configured targets and reports
- › Automatic reconciliation of bank receipts with customer entries

## Key objectives:

- › **Automation** of the organisational and administrative treasury process
- › **Definition** of online, consolidated and forward-looking **financial positions** for one or more companies
- › **Reduction in manual tasks**
- › **Better time management and strategic analysis skills**

## Benefits:

- › **Financial accuracy and control:** greater data accuracy and fewer errors
- › **Operational efficiency:** reduced cash management processing times
- › **A single, immediate financial overview:** rapid access to cash flows, scenarios and bank positions
- › **Strategic decision-making support:** reliable data for planning and forecasting
- › **Security:** minimisation of discrepancies and greater transparency



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## CLOUD-BASED AND EASY TO USE

The software is intuitive and easily accessible remotely. As a cloud-based solution, it delivers significant savings on management and maintenance costs

## OPERATIONAL EFFICIENCY

*It ensures a better overview of the entire process, the optimisation of production processes and increased productivity*

*Innovative & Federated Platforms*

**MasterBi**

## SECURITY

To ensure the security of processed data, validation processes, certificates and protocols are in place

## INTEGRATION

*Can be integrated with corporate ERP systems. You can purchase individual modules or integrate them with one another according to your needs.*

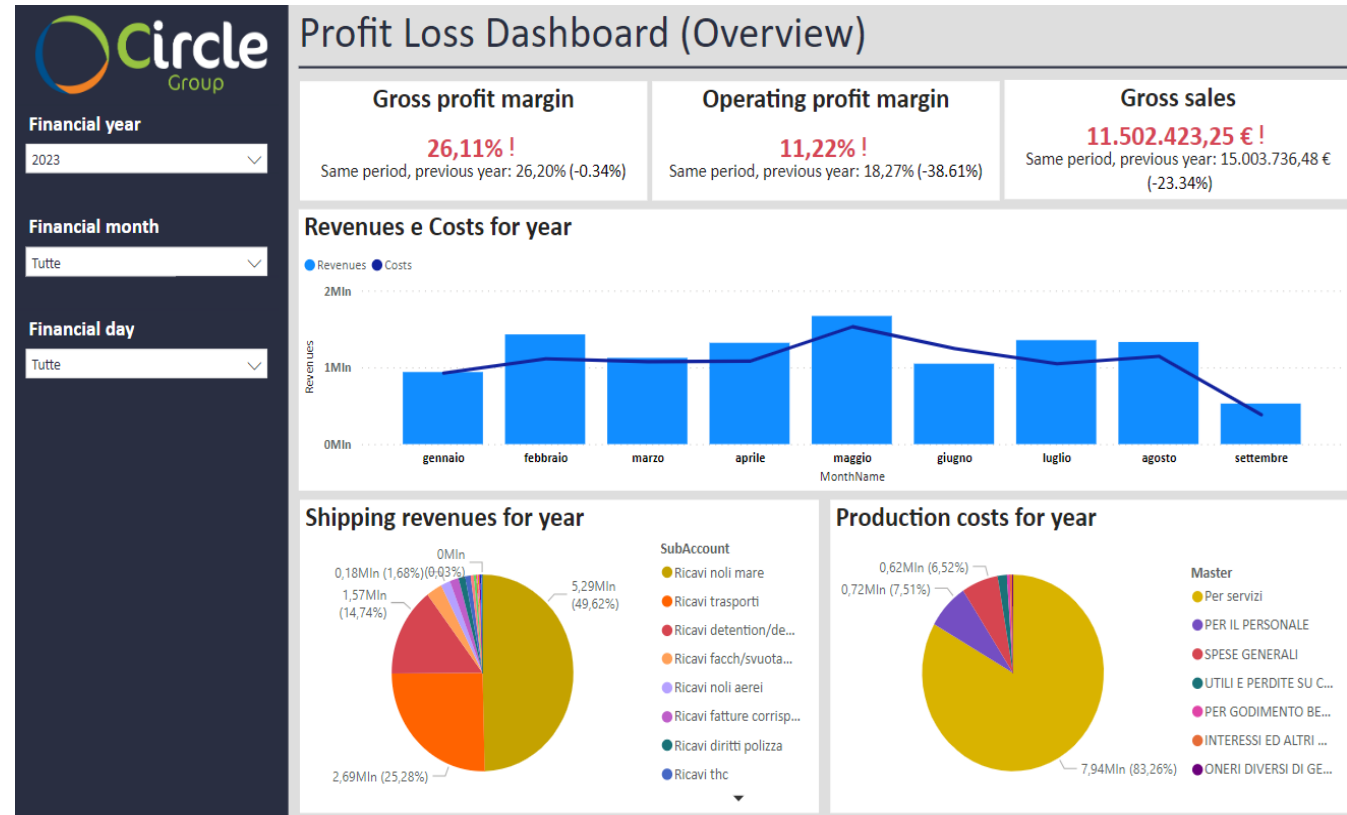
## Benefits:

- ✓ **Real-time visibility and data transparency:** essential for maintaining up-to-date and accurate data, producing regular reports, simplifying decision-making and responding quickly to changes.
- ✓ **Data analysis and integration, demand forecasting:** integrating data from various sources into a single, intuitive dashboard; reducing time-consuming tasks; immediately identifying opportunities and critical issues; and taking immediate action with appropriate measures to resolve problems (problem solving).
- ✓ **Key Performance Indicators (KPIs):** creating tools to monitor performance and identify KPIs focused on specific short-, medium- and long-term objectives. Reports generated using BI tools enable easier interpretation of key metrics and faster, more effective sharing of information with stakeholders.
- ✓ **Competitive advantage:** making effective use of processed data enables organisations to respond more quickly to changing market conditions, reducing costs, improving customer satisfaction and delivering a higher-quality service

## Users & Operations

- › **Freight Forwarders & Transport**
- › **Finance**
- › **Warehouse**

- 1 Monitoring**  
 Monitor shipping costs, avoid surcharges and optimise budgets
- 2 Comparison**  
 Compare monthly revenue and costs to identify the most productive periods
- 3 Visibility**  
 Gain a complete and clear overview of revenue generation
- 4 Analysis**  
 Organise data, analyse performance and identify areas for improvement



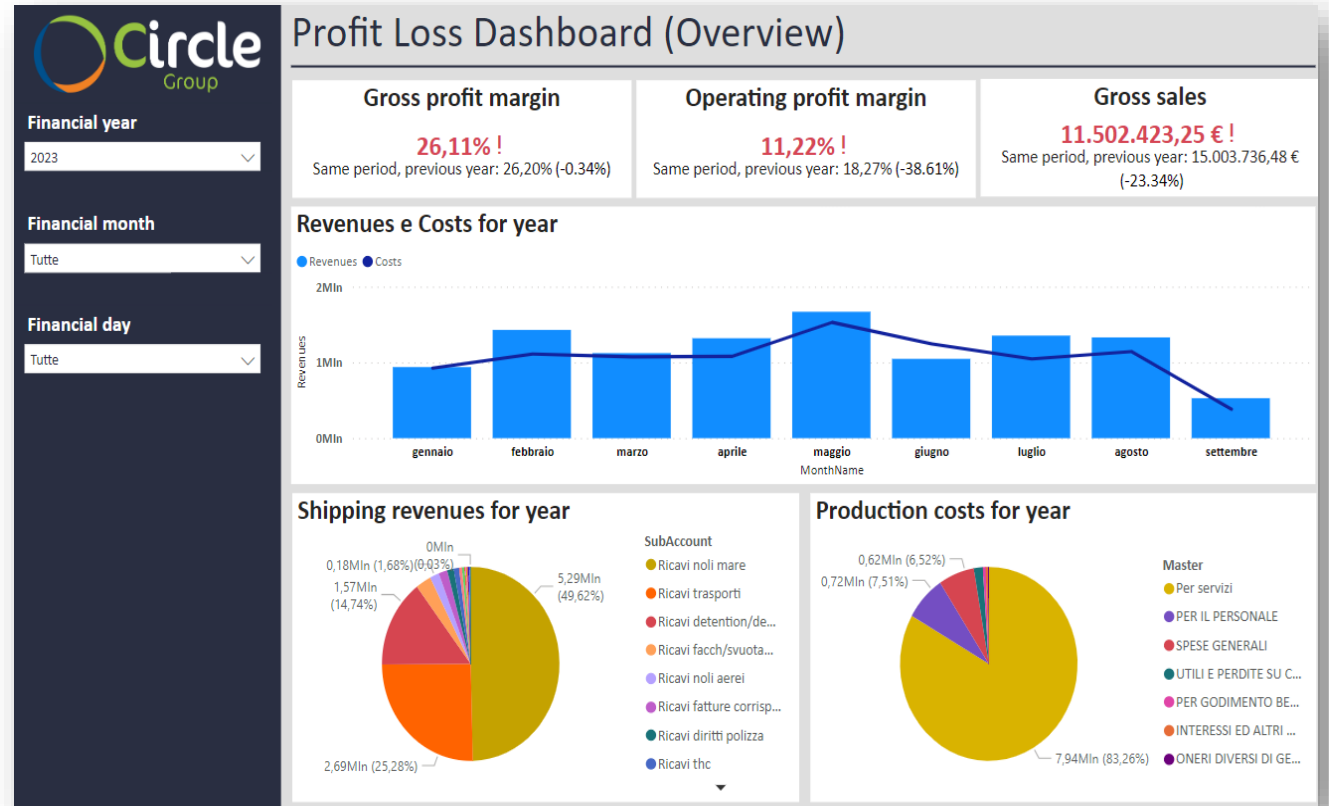
- 1

**Search**  
Search function with filters to select only the data of interest
- 2

**Data comparison**  
Create charts, histograms and tables by integrating the data
- 3

**Analysis**  
Export data to Excel for further analysis
- 4

**Quality of Service**  
Ensures consistent services and supplies



Inventory trends, consumption, product turnover rate or stock levels.

1

### Error reduction

Quickly identify risks and errors, ensuring prompt action

2

### Data-driven

Make rapid, data-driven decisions based on objective data

3

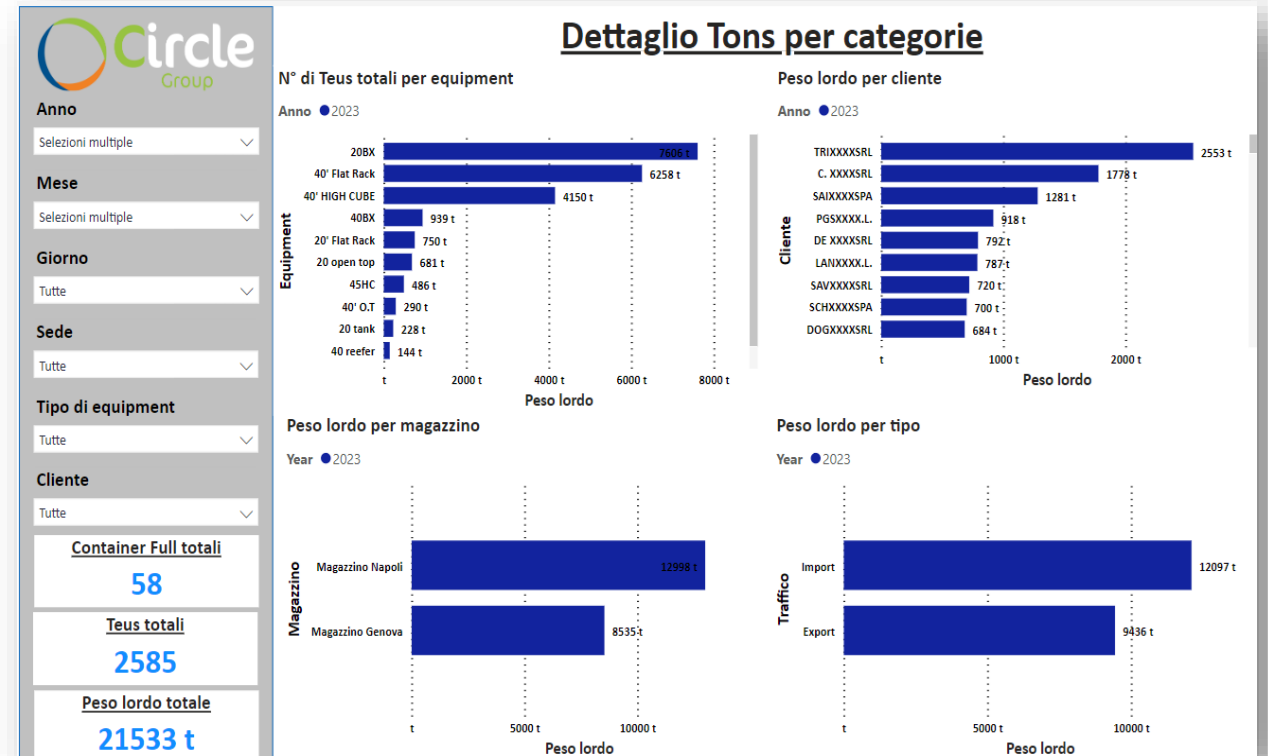
### Analysis

Define stock analyses with ad hoc details

4

### Reporting

Generate customised reports tailored to the needs of different business areas



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**Regulation (EU) 2020/1056**, also known as **eFTI (Electronic Freight Transport Information)**, has as its main objective the digitisation of transport information within the EU, facilitating the electronic exchange of data between Economic Operators (EOs) and Competent Authorities (CAs).

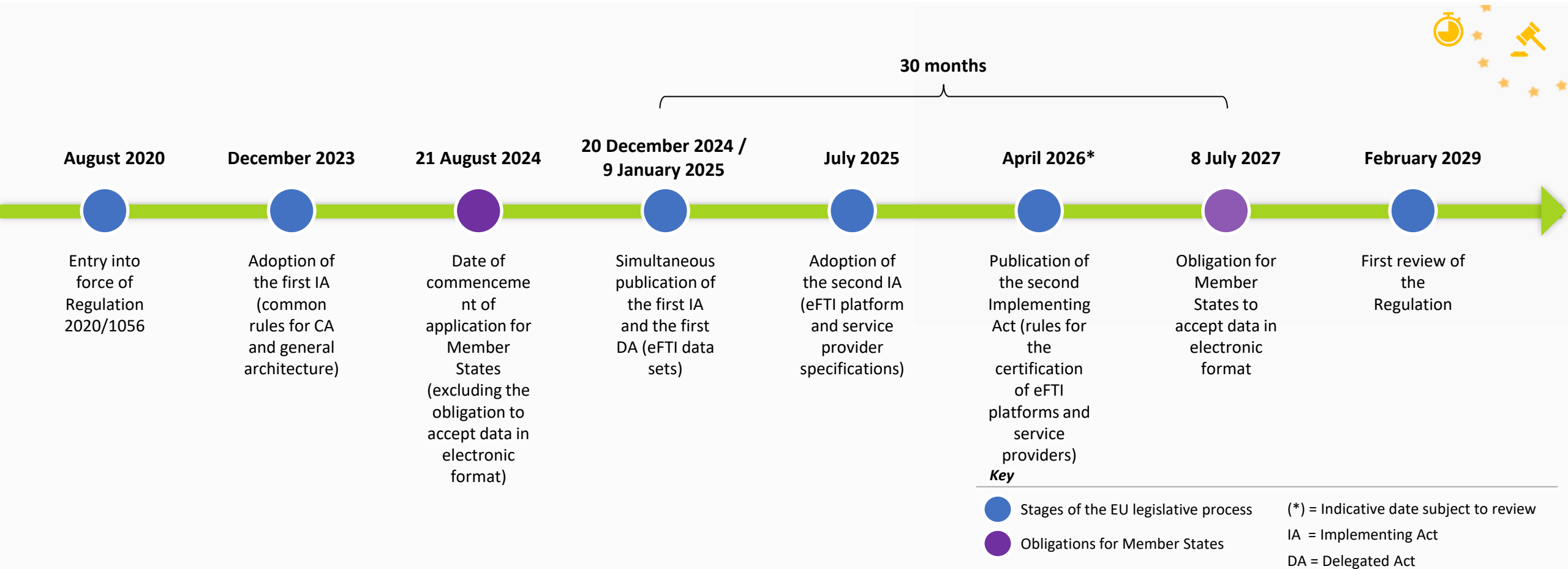
It applies to regulatory information on **the international transport of goods by road, rail, inland waterways and air** (limited to cargo security checks). It also covers special cases relating to **the international transport of dangerous goods and waste**.

Member States are required to accept information provided in electronic format and to ensure that Competent Authorities use uniform technical requirements and specifications for the acceptance of such information. They must also implement interoperable IT systems to facilitate the exchange of data. The Regulation sets out the role of **the eFTI Service Provider** as a digital service provider acting on behalf of third parties.

## Innovative Aspects

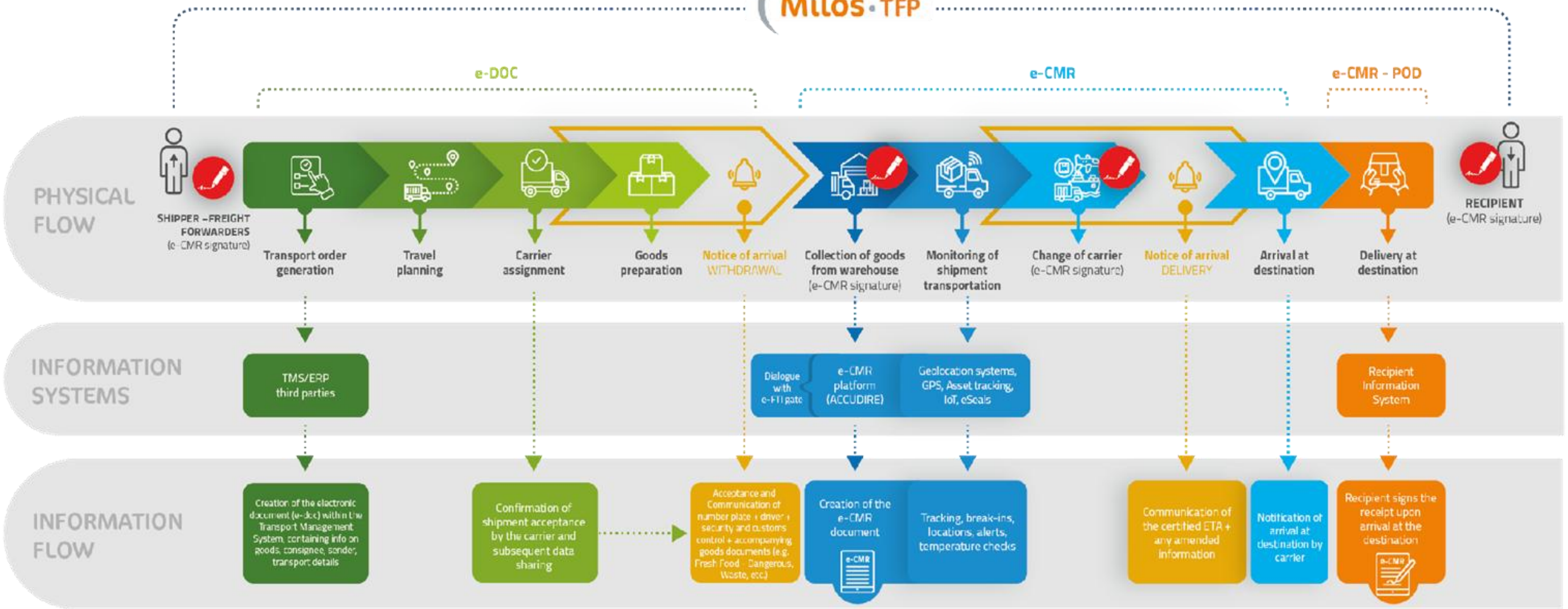
- **Digitisation of information:** improves operational efficiency and reduces administrative costs.
- **Integration with Logistics 4.0**
- **Standardisation of freight transport information,** simplifying the validation process by the Competent Authorities and reducing waiting times for inspections
- **Economic and environmental benefits:** the European Commission estimates potential savings of up to 27 billion euros over the next 20 years thanks to the reduction in administrative burdens.

# eFTI – Regulation (EU) 2020/1056 – Application Process



# Features of the Federated Transport Platform

The implementation of the e-CMR in Federated Services

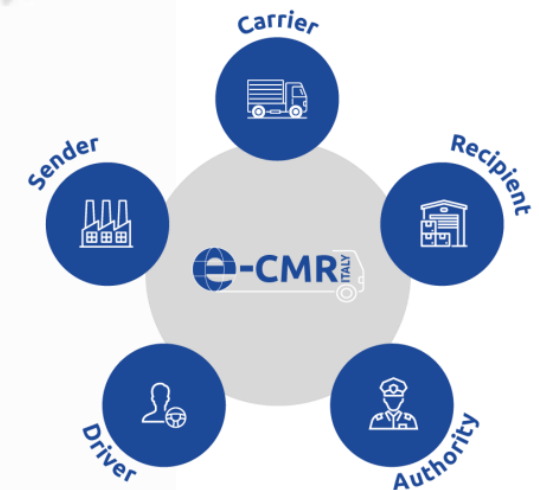


## Features:

- › **e-CMR** includes all **the details of the paper consignment note** with additional features: document/photo attachments and digital signature authentication
- › Currently adopted by **39 countries** [source: UNECE], in line with the European Mobility Package for digitalisation and sustainability in logistics
- › **Italy** supports the adoption of e-CMR as part of **the PNRR**, with the aim of achieving stable implementation by September 2024, whilst promoting infrastructure for sustainable mobility

## Advantages:

- ✓ Improved supply chain quality and better route visibility for greater efficiency
- ✓ Reduced environmental impact thanks to lower paper usage in operations and minimised storage requirements
- ✓ Lower risk of human error
- ✓ Support for multilingual platforms, enabling seamless international transport
- ✓ Faster information exchange, streamlined processes and reduced data access and retrieval times
- ✓ Rapid response to inspections by the relevant authorities
- ✓ Accelerated invoicing with real-time proof of delivery



A practical example of a concrete pilot project for the creation and management of e-CMRs.

1

2

3

4

Milos - TFP

## e-CMR REQUEST FOR CREATION

Milos - TFP

## e-CMR SPECIFIC VERSION REQUEST

Milos - TFP

## e-CMR GENERATION

Milos - TFP

## e-CMR MANAGEMENT

**POLITECNICO MILANO 1863**  
SCHOOL OF MANAGEMENT

osservatori.net  
digital innovation

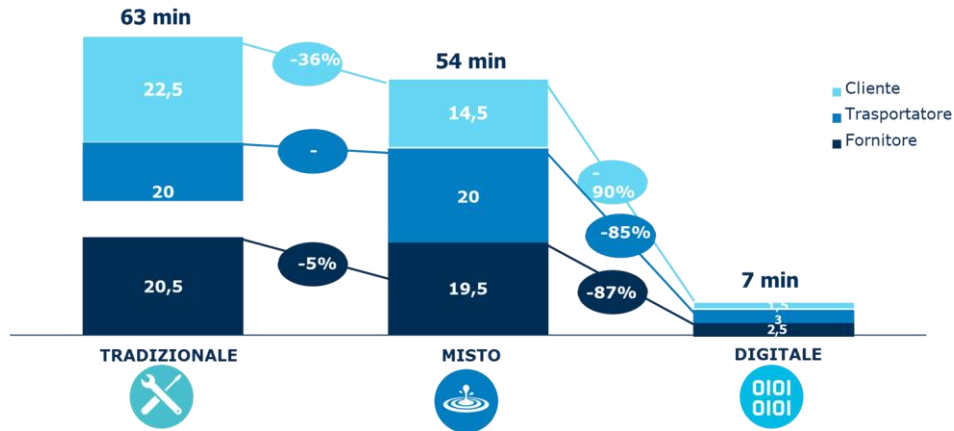
Standard cycle time savings per actor



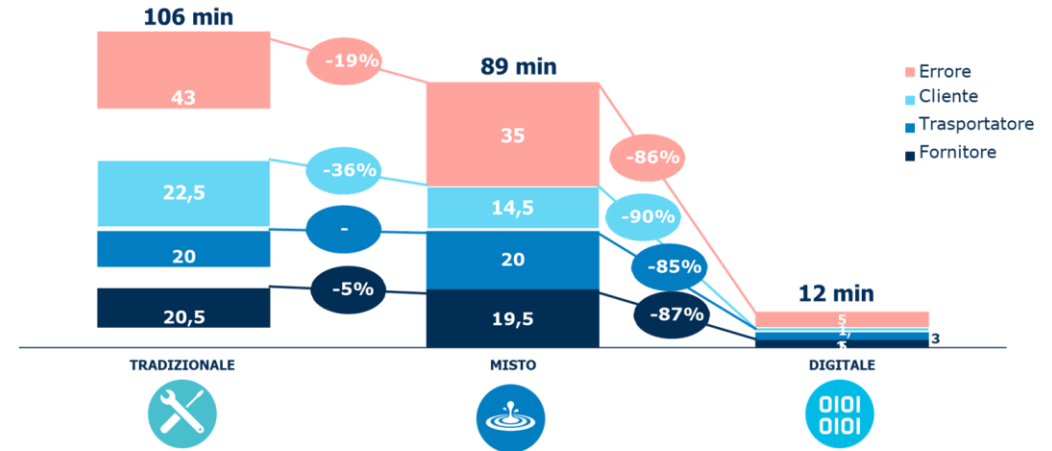
	TRADITIONAL	DIGITAL	TIME DIFFERENCE
<b>CUSTOMER</b>	22.5 mins	1.5 mins	-90%
<b>HAULIER</b>	20 mins	3 mins	-85%
<b>SUPPLIER</b>	20.5 mins	2.5 mins	-87%
<b>Total</b>	<b>63 mins</b>	<b>7 mins</b>	<b>- 89%</b>

# e-CMR process: time and cost benefits of digitising transport documents

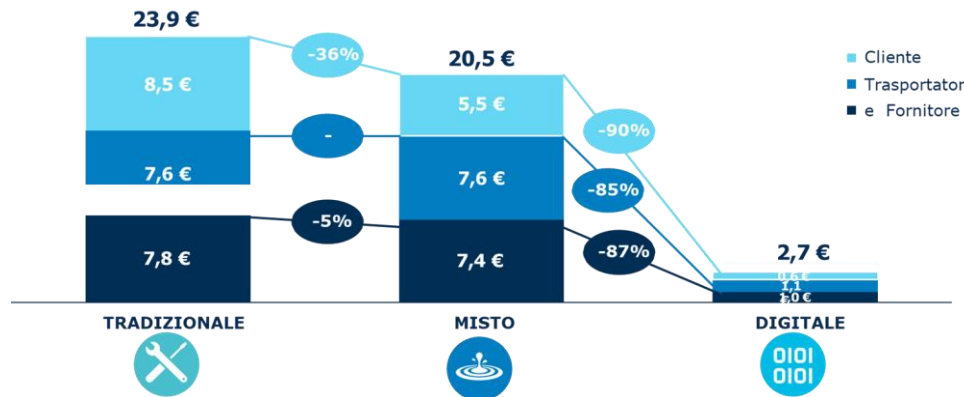
Time savings, standard cycle per stakeholder



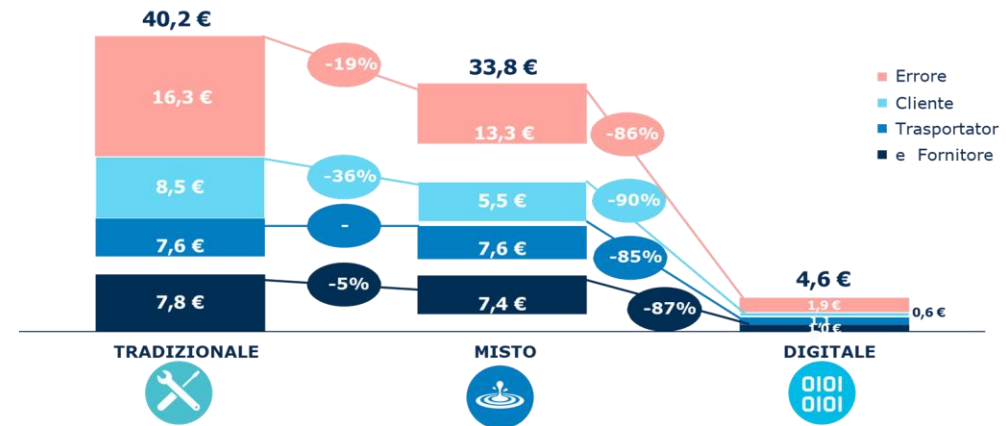
Time savings, standard cycle per stakeholder with an error



Cost savings, standard cycle per stakeholder



Cost savings, standard cycle per stakeholder with an error



The average error rate is: 3% for the traditional and mixed scenarios; 1% for the digital scenario

The analysis focused exclusively on the actual time spent on activities. It does not take into account the waiting time for responses from the supplier. Source: B2BPOLIMI Observatory, February 2024

## EU Project eFTI4EU: *Enhancing Road Checks & Multimodal Transport*

The EFTI4EU project, supported by MIT, RAM, and Circle Group, aims to test eFTI tools to improve road checks in Europe, focusing on truck transport between countries. The project will also integrate e-CMR to enhance data sharing.

### Pilota 3A: Cross-border eFTI Pilot with e-CMR

- › **Goal:** test the use of eFTI and e-CMR for cross-border road transport between Italy and Austria, ensuring interoperability and legal equivalence with paper documents.
- › **Scope:** digital preparation, submission, and verification of e-CMR for road transport from Italy to another Austria, integrated with eFTI and B2B Transport Management Systems.

#### Output:

- › Improved interoperability between private operators and authorities and reduced inspection times.
- › Enhanced traceability and validity of transport documents across borders.

### Pilot 3B: Cross-border eFTI Pilot with e-CMR and Export Flow (Sea → Road)

- › **Goal:** pilot the use of e-CMR and eFTI for cross-border road transport linked to export flows from Italy to Austria, ensuring interoperability and legal equivalence with paper documents.
- › **Scope:** digital management of road transport entering Italy, port-arrival pre-notification, integration with Port Community Systems, eFTI Gate communication between EU countries.

#### Output:

- › Improved interoperability between e-CMR, eFTI Platform, PCS, and operators' systems.
- › Reduced manual data-entry errors and Near-complete digitisation of export documentation.

### Pilot 3C: Multimodal Transport eFTI Pilot – Import Flow (Sea → Road)

- › **Goal:** assess the integration of e-CMR and eFTI for road transport following sea import flows, ensuring interoperability within the Italian National Logistics Platform (PLN).
- › **Scope:** Digital exchange of maritime and road transport documents, e-CMR generation after sea import, and interoperability among ERPs, and the eFTI Italy Extender..

#### Output:

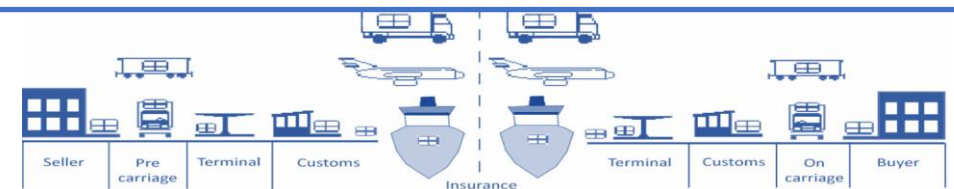
- › Simplified official checks through interoperable digital documentation..

### Pilot 3D: Multimodal Transport eFTI Pilot – Import Flow (Sea → Rail → Rail → Road)

- › **Goal:** validate efficiency of a import corridor combining sea, rail, road transport, with eFTI
- › **Scope:** digital management of multimodal transport documents, generation of eCIM and e-CMR, and interoperability among port terminals, rail operators, road carriers, and the eFTI architecture

#### Output:

- › Improved coordination of controls among authorities & increased utilisation of rail transport and Reduced intermodal transshipment times.



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Advanced integration procedures with intermodal logistics hubs. Integration with innovative customs procedures and the **IFSTL & IoT** approach



## Integration & KPI Dashboard

It enables significant improvements in terms of

Efficiency – Cost reduction

Increased performance

Specific connectors integrated with Circle Group solutions (e.g. Milos® GSCV – Green Dashboard) and connectors with third-party systems that enable the development and integration of specific dashboards for analysis and reporting (Cargo Five, Kmaster®)



## Business Intelligence

A Power BI-based platform that harnesses the benefits of Business Intelligence to

Timely analysis of performance and data

Reports and KPI dashboards

The solution is interactive, intuitive and customisable, providing a real-time overview of the strategic components of the business.



## eFTI & document dematerialisation (e-CMR | e-DDT)

The Circle Group's digital solution optimises international transport by eliminating paper through the use of e-CMR, improving speed and efficiency whilst reducing errors. Compliant with the new ADM requirements (in force from 2 December), it automates customs workflows and provides digital proof of delivery, export and compliance with tax regulations for international documents (e-CMR / e-



## Simplified customs solutions

The Circle Group's digital solution utilises simplified and digitised customs procedures – for sea, rail and road freight – and 'Air Fast Transfer' – fully compliant with EUCC – facilitating the exchange of services between national customs agencies, ports, airports and operators

Reduction in costs associated with the import/export cycle

Reduced dwell time of goods at hubs; improved security and cargo monitoring.

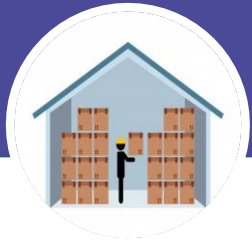


**References  
&  
ROI**

## Solutions

Circle Group, through its subsidiary **Next Customs**, works to promote interoperability amongst stakeholders by providing a comprehensive and harmonised overview of the new legal and regulatory frameworks.

It has **extensive knowledge** of the customs landscape as it applies to the transport, logistics and supply chain sectors, and provides support for the operational and regulatory management of customs activities (commercial and industrial operations)



CUSTOMS REGISTERS



CUSTOMS FILE



AUTHORISED ECONOMIC OPERATOR (AEO)



CUSTOMS CORRIDOR – AIR FAST TRANSFER



INTERNATIONAL FAST & SECURE TRADE LANE



S.U.Do.Co

✓ *Professional training in customs*

✓ *Extensive knowledge of the customs landscape as it applies to transport, logistics and the supply chain*



✓ *Support for the operational and regulatory management of customs activities (commercial and industrial operations)*

✓ *Promoting interoperability among stakeholders by providing a comprehensive and harmonised overview of the new legal and regulatory frameworks*



## CUSTOMS REGISTERS

An approved facility for temporary storage and customs warehousing. It ensures secure storage and compliance with customs regulations during import and export processes.



## CONTROLLED CORRIDOR – AIR FAST TRANSFER

Digital customs procedures speed up the movement of goods, enabling faster customs clearance, reducing storage costs and providing via controlled corridors.



## CUSTOMS FILE

A secure electronic platform for the archiving and management of all customs documents and records.



## INTERNATIONAL FAST & SECURE TRADE LANE

Optimised trade routes ensuring fast and secure transport for international shipments.



## AUTHORISED ECONOMIC OPERATOR (AEO)

A certification that guarantees reliability, enabling faster customs clearance and greater supply chain security



## S.U.Do.Co

Specialised customs solutions for the efficient management of international trade and customs clearance processes



## CUSTOMS REGISTERS

An approved facility for temporary storage and customs warehousing. It ensures secure storage and compliance with customs regulations during import/export processes.

### 1. **Approved location:**

An authorised site for the storage of goods under customs control.

### 2. **Temporary Storage:**

Allows for the temporary storage of goods pending customs clearance.

### 3. **Customs Warehouse:**

A warehouse for goods under customs control, ensuring compliance with regulations

### 4. **VAT Warehouse:**

A special warehouse for goods under VAT suspension, ensuring that VAT is deferred until release.



### Key Requirements:

- › Compliance with local and EU customs regulations
- › Adequate documentation for goods in storage
- › Regular customs checks may be carried out



### Process:

- › The goods arrive at the approved location
- › Customs checks and validation of documentation
- › Temporary storage or VAT suspension until customs clearance or release
- › Final release following compliance checks

## BENEFITS

- ✓ Simplifies customs procedures.
- ✓ Reduces tax burdens through VAT suspension.
- ✓ Ensures regulatory compliance and secure storage.



## CUSTOMS FILE

A secure electronic platform for the storage and management of all customs documents and records.

### Secure document storage:

A digital platform for the storage and management of all customs documents (e.g. declarations, invoices, certificates).

### Easy access:

Provides quick and organised access to customs documents for audits or compliance checks.

### Data integrity:

Ensures data integrity and security through encryption and compliance with data protection regulations.

### Integration:

Integrates seamlessly with customs systems to streamline the submission and processing of documents.



### Key Requirements:

- › Digital submission of customs documents
- › Compliance with data protection and security regulations



### Process:

- › Upload customs documents to the secure platform
- › Organise and categorise them for easy retrieval
- › Access the documents for compliance checks or for submission to the authorities

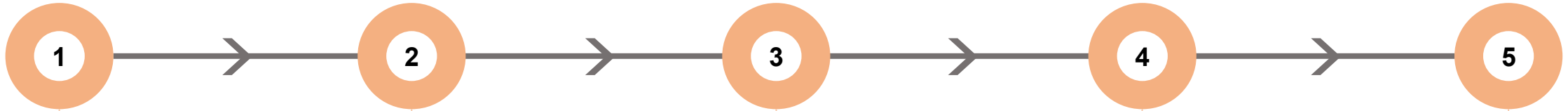
## BENEFITS

- ✓ Reduces paperwork and manual filing.
- ✓ Ensures the compliance and security of customs records.
- ✓ Facilitates faster customs checks and procedures

# Customs Folder – Simulation of creation and management




**CUSTOMS FILE**  
A secure electronic platform for the archiving and management of all customs documents and records.



**1 Start-up Process**

The process begins as soon as the customs declaration is submitted



**2 Document Archiving (MasterSPED)**

Thanks to the connectors, MasterSPED downloads and stores the .xml file and its status in MasterDOC

**3 Creation Documents (MasterSPED)**

It automatically accesses the Customs Dashboard, from which you can quickly and easily retrieve 3 declarations."




**4 Document Archiving (MasterSPED)**

Documents are completed in MasterDOC, where you can view all the documentation



**5 Document Management**

All documents can be managed for end customers






# Authorised Economic Operator (AEO)

## AUTHORISED ECONOMIC OPERATOR (AEO)

A certification that guarantees reliability, enabling faster customs clearance and greater supply chain security.

### AEO certification:

Certified by the customs authorities to businesses that demonstrate compliance with customs regulations, security standards and other relevant requirements.

### Global Recognition:

AEO-certified entities benefit from mutual recognition agreements between the EU and other countries, which facilitate access to international trade.

### Security and Compliance:

Focuses on protecting the supply chain and ensuring that companies comply with international standards for customs operations.



### Key Requirements:

- › Compliance with customs and security regulations
- › Evidence of financial stability and a proven track record
- › Security management systems in place
- › Subject to periodic audits



### Process:

- › Submit an application for AEO certification
- › Customs compliance audit
- › Receive AEO certification upon approval
- › Compliance and ongoing audits

## BENEFITS

- ✓ Faster customs clearance and fewer checks
- ✓ Access to trade agreements and reduced duties
- ✓ Cost savings thanks to streamlined processes



## CUSTOMS CORRIDOR

Digital customs procedures speed up the movement of goods by enabling faster customs clearance, reducing storage costs and providing real-time traceability through controlled corridors.

### Controlled corridors:

Designated routes for the transfer of goods between temporary storage warehouses in different countries, simplifying customs procedures.

### Customs checks and formalities:

All customs procedures are completed directly at the destination warehouse, reducing transit times at the port.

### Modes of transport:

Includes both road and rail transport for goods in transit



### Key requirements:

- › AEO (AEO-C) certification: mandatory for both the departure and destination warehouses.
- › Goods tracking: mandatory for monitoring and safe handling.
- › Appropriate storage: management of consignments in temporary storage approved by the customs authorities.



### Process:

- › Goods are transported via a designated fast lane (road/rail).
- › Customs checks and formalities are completed during transit.
- › Goods arrive at the destination warehouse for final customs clearance

## BENEFITS

- ✓ Relief of port congestion
- ✓ Cost savings: reduces expenses associated with port calls
- ✓ Enhanced security
- ✓ Digitised process for efficiency and traceability



## AIR FAST TRANSFER

Digital customs procedures speed up the movement of goods by enabling faster customs clearance, reducing storage costs and providing real-time traceability through controlled corridors.

### Digitised customs corridor:

applies the concept of a fast-track corridor to air freight, enabling faster transfers and customs clearance.

### Temporary storage:

non-EU goods stored in temporary storage are transferred outside the airport for customs clearance.

### Automated process:

fully digitised, with geolocation and tracking via a monitoring platform.



### Key requirements:

- › Digitalised platform: automatic tracking and monitoring of goods.
- › Manifest validation: requires operator validation and the designation of controlled corridors.
- › Temporary transfer into custody: goods are moved off-site for customs clearance.



### Process:

- › Goods arrive at the airport's temporary storage facility.
- › Customs procedures are initiated with digital tracking and geolocation.
- › The goods are transferred to a storage facility outside the airport for final customs clearance.

## BENEFITS

- ✓ Efficient flow management
- ✓ Enhanced security
- ✓ Full digitalisation
- ✓ Faster clearance
- ✓ Faster handling with reduced airport storage costs



## INTERNATIONAL FAST & SECURE TRADE LANE

Optimised trade routes ensuring fast and secure transport for international shipments.

### End-to-end solution:

designed to optimise maritime, logistics and transport processes, improving efficiency and security throughout the supply chain.

### IoT integration:

uses Internet of Things (IoT) technologies to simplify and integrate information flows.

### Standardised and digitised documentation:

digitisation and standardisation of document flows, improving overall operational efficiency.



### Key Requirements:

- › IoT devices: use of sensors and tracking devices to provide real-time data on goods and containers
- › Data integration: continuous exchange of information between different stakeholders (customs, logistics, transport) to ensure smooth operations
- › Customs procedures: automated customs processes



### Process:

- › Goods are tracked in real time via IoT devices
- › Digital documentation is exchanged between the relevant parties
- › Automated customs processes simplify customs clearance
- › Continuous monitoring and control of operations via integrated digital tools

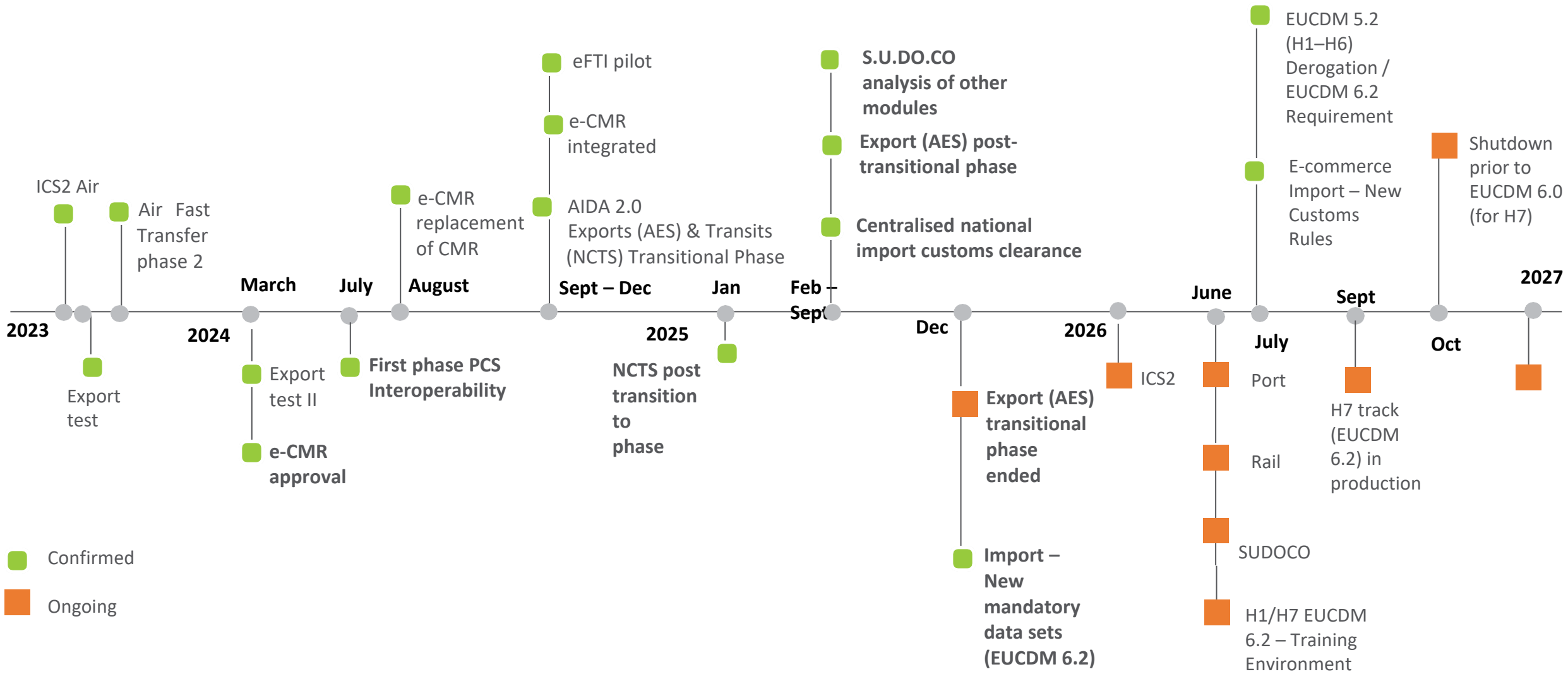
## BENEFITS

- ✓ Complete visibility
- ✓ Enhanced security
- ✓ Simplified customs clearance
- ✓ Faster operations



# 2025–2027 Draft Customs Roadmap –

\*awaiting formal version



■ Confirmed  
■ Ongoing

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Reduced dwell time of goods at hubs; improved security and cargo monitoring.



References  
&  
ROI

## Digitisation of Freight Forwarders' Processes

- › **Real-time Unit Monitoring:**  
+95% visibility of active transport units
- › **App-to-App Interoperability:**  
100% integration with operators' IT systems
- › **Mobile Operations Management:**  
-50% reduction in manual coordination time
- › **Event Sharing & Documentation Upload:**  
+90% of transport events digitally captured and timestamped
- › **Full traceability and auditability:**  
100% digital chain of custody for shipments

## ERP Integration & KPI Dashboard

- › **Real-time shipment visibility:**  
+98% real-time tracking accuracy
- › **ERP System Integration (via Connectors):**  
95% of shipments managed digitally with zero paper usage
- › **Exception Management:**  
-70% reduction in effort required to handle logistics anomalies
- › **Partner Integration:**  
+90% digital connectivity with logistics partners

## Digitisation & eFTI

- › **Paperless Process Efficiency:**  
-90% reduction in the handling of physical documents
- › **Regulatory Compliance (EU eFTI):**  
100% readiness for EU Regulation 2020/1056
- › **Faster Border and Terminal Clearance:**  
-50% average processing time at checkpoints
- › **Lower administrative costs:**  
30 per cent reduction in document processing and archiving
- › **Improved data accuracy:**  
-98% reduction in manual entry errors

## Digital customs procedures

- › **Faster cross-border flows:**  
-65% average cargo dwell time at customs
- › **Optimised Inventory Management:**  
25 per cent reduction in buffer stock requirements
- › **Reduced Congestion & Costs:**  
30% savings on warehousing and demurrage charges
- › **End-to-End Traceability & Compliance:**  
+95% real-time visibility of customs status

## Automation at hubs and integration with rail and road transport

- › **Automated Gate Procedures (OCR/Rfid):**  
-70% reduction in gate processing time
- › **Vehicle Classification & Check-in Automation:**  
+90% accuracy in vehicle identification
- › **Advanced Notice Management:**  
+80% of transport arrivals pre-advised
- › **Reduced Congestion & Idle Time:**  
-50% average truck dwell time at terminal gates



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# *Thank you*

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 **Circle**

