



# eFTI Technical Insight and Possibilities to Platform Providers

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[www.efti4eu.eu](http://www.efti4eu.eu)

## 3 take aways

**Why I need to be interested about eFTI?**

**What I need to know on a technical level?**

**What kind of business I can do with eFTI?**





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# Fintraffic in brief



Traffic control and management:  
on the land, in the air  
and at sea



Facilitating the work of Traffic Data  
Ecosystem



Digital services and open data  
for organizations, developers  
and consumers




We employ  
1100 professionals.



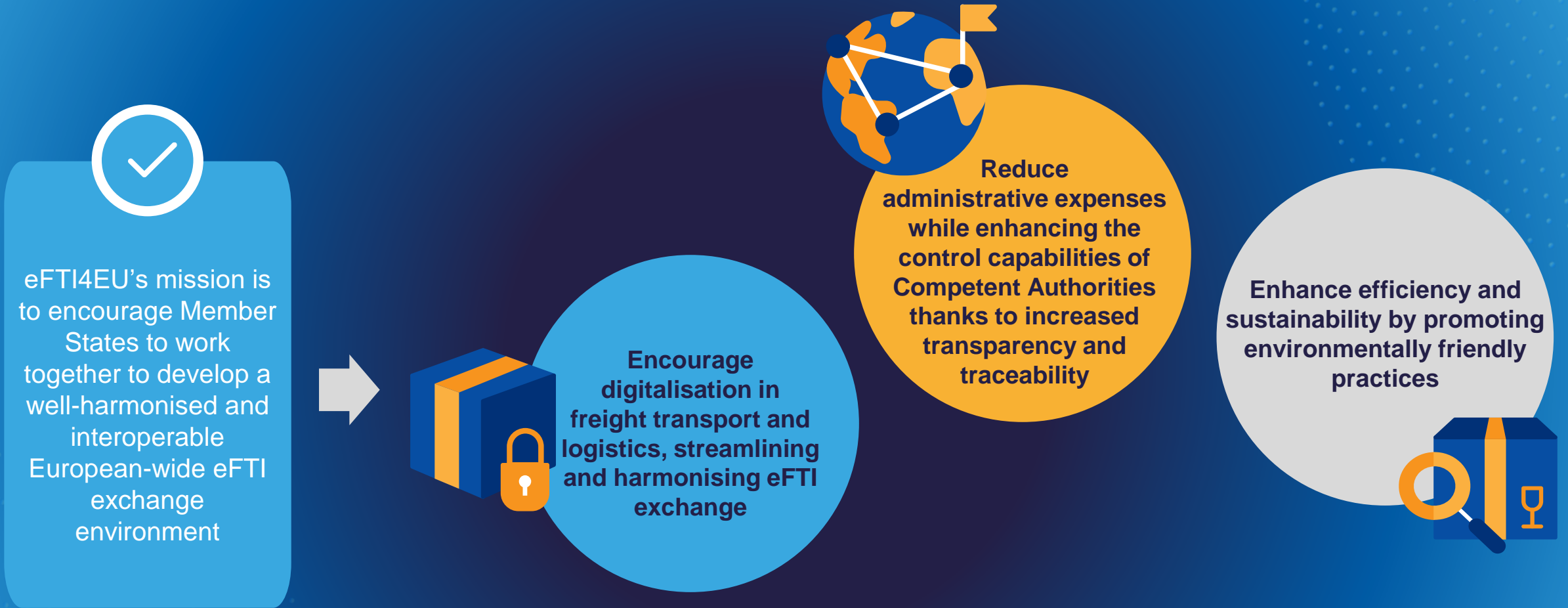
# eFTI4EU

## PARTNERS and observers

-  PARTNER
-  OBSERVER



# Mission & Goals



# About Electronic Freight Transport Information (eFTI)

eFTI is an **EU-wide** project aiming to establish a legal and standardized framework **for the digital exchange of freight transport information** between companies and authorities. The project will be completed in Q/2 2027, by which time European authorities are expected to have the capacity to receive and process freighting documents in electronic form.

**The aim is to boost the efficiency of freight traffic** and logistics as well as reduce the administrative burden for operators. This work has been preceded by the European Commission's 'Sustainable and Smart Mobility Strategy – putting European transport on track for the future.

**eFTI concerns freight transport information transmitted with freight carried by rail, road and inland water.**

Other future regulations (ex. The Combined Transport) will encourage the use of eFTI.

# eFTI benefits to companies

*EU wide standard*

*Reduce administrative cost*

*Make border crossing smoother*

*Authorities can access data easier which  
can reduce the need to stop transportation  
for inspection*

*Increase data reliability and reduce errors*

*New business for platform providers*



# Digitalization measured cost savings

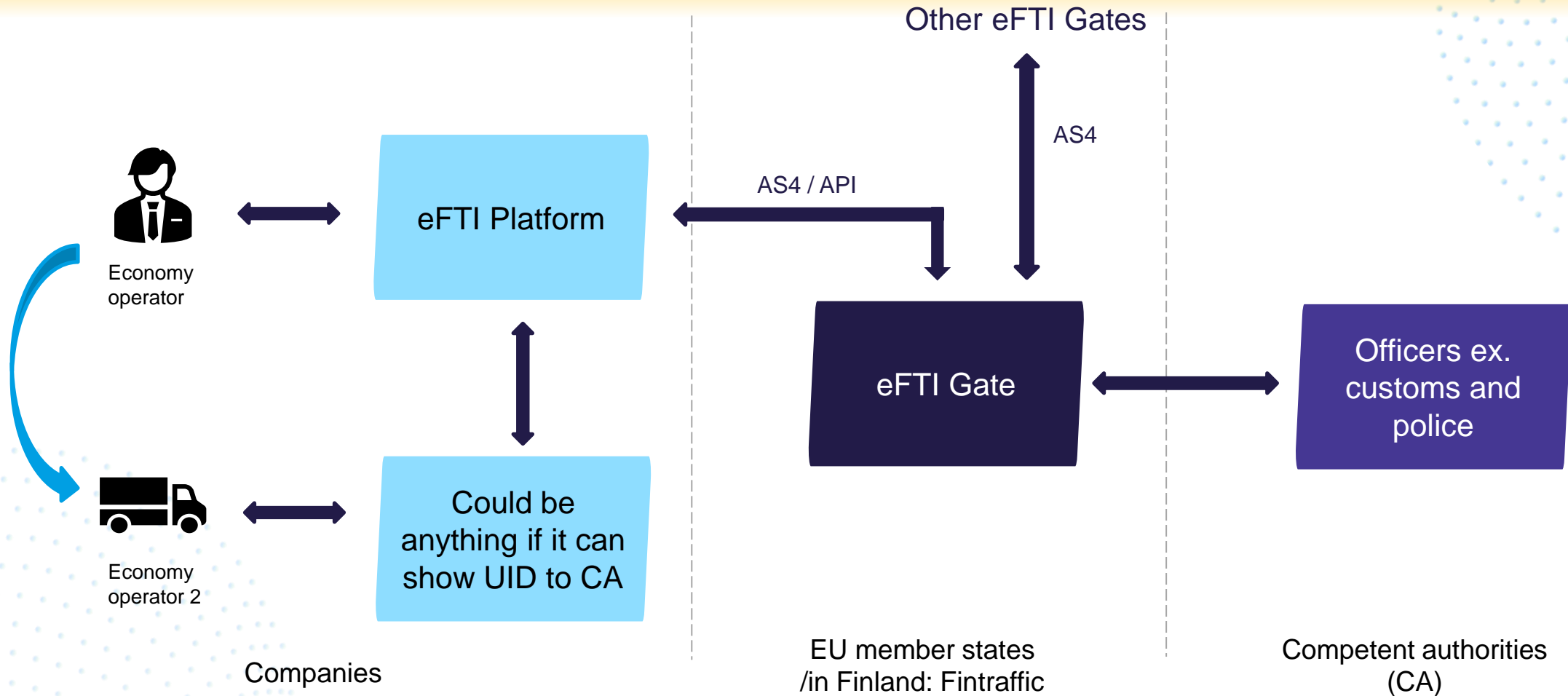
According to expert calculations, a paper CMR costs **22.83** euros, while an eCMR costs just **9.72** euros

<https://openlogisticsfoundation.org/the-next-big-thing-the-efti-regulation/>

Processing a paper or pdf document of a catalog, order, order confirmation, invoice generates a cost of **15-20** euros. The cost of a structured electronic document is **5-7** euros. When the information of an electronic document is transferred from one document to another automatically, the cost drops to **1-2** euros

<https://www.youtube.com/watch?v=VCwgWMwewYU>

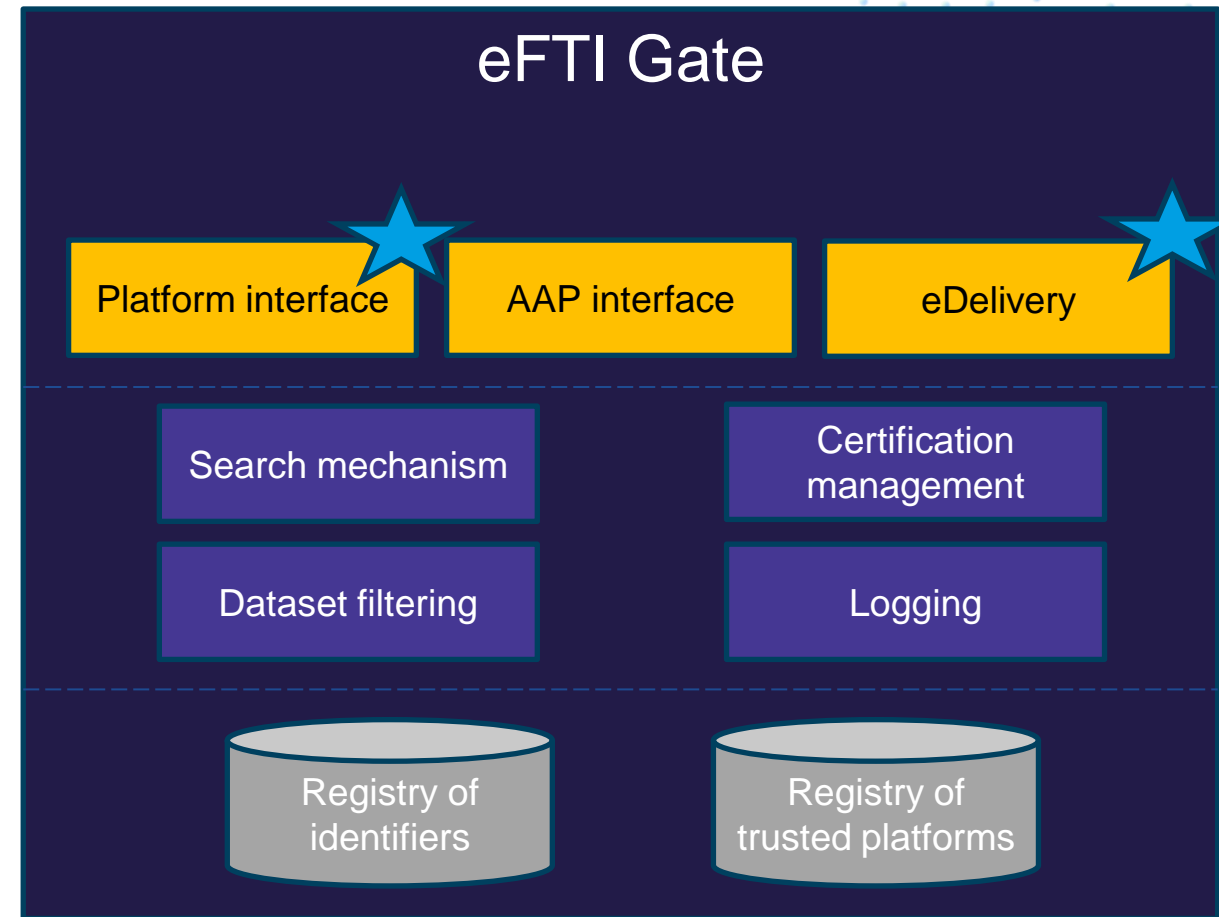
# eFTI in practice



eFTI is making data available for authorities. It is not defining B2B data sharing.

# eFTI Gate

- National centralized access point eFTI Gate connects eFTI information between Economy Operators and authorities
- eFTI Gate connects to all other eFTI Gates in Europe
- Creates single access point on a national level
- Holds only minimal set of data – identifiers



## Most important component is Gate to Gate interface

eFTI can not work if Gate to Gate interface is not harmonized and eDelivery profile is not harmonized.

Data model needs to be harmonized.

Gate to Platform interface can differ at a national level  
Gate to APP interface can differ at a national level  
Implementation and technical platform can differ at a national level

# eFTI platform alternatives

Option 1: Stand alone system



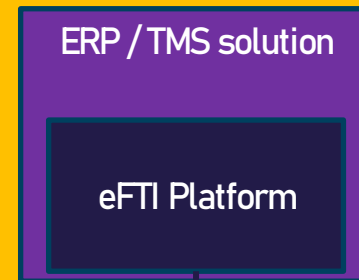
eFTI Gate

Option 2: Third party service ex. SaaS service



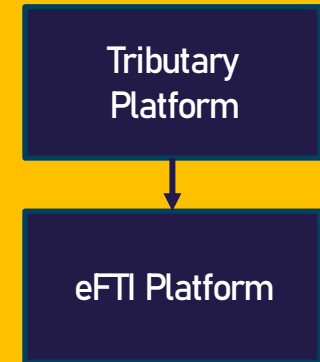
eFTI Gate

Option 3: Part of TMS / ERP solution



eFTI Gate

Option 4: Use of tributary



eFTI Gate

# Interfaces for Platforms

## National interface

Each country can have their own API or web service interface, but it is not mandatory.

Can be REST, XML or something else.

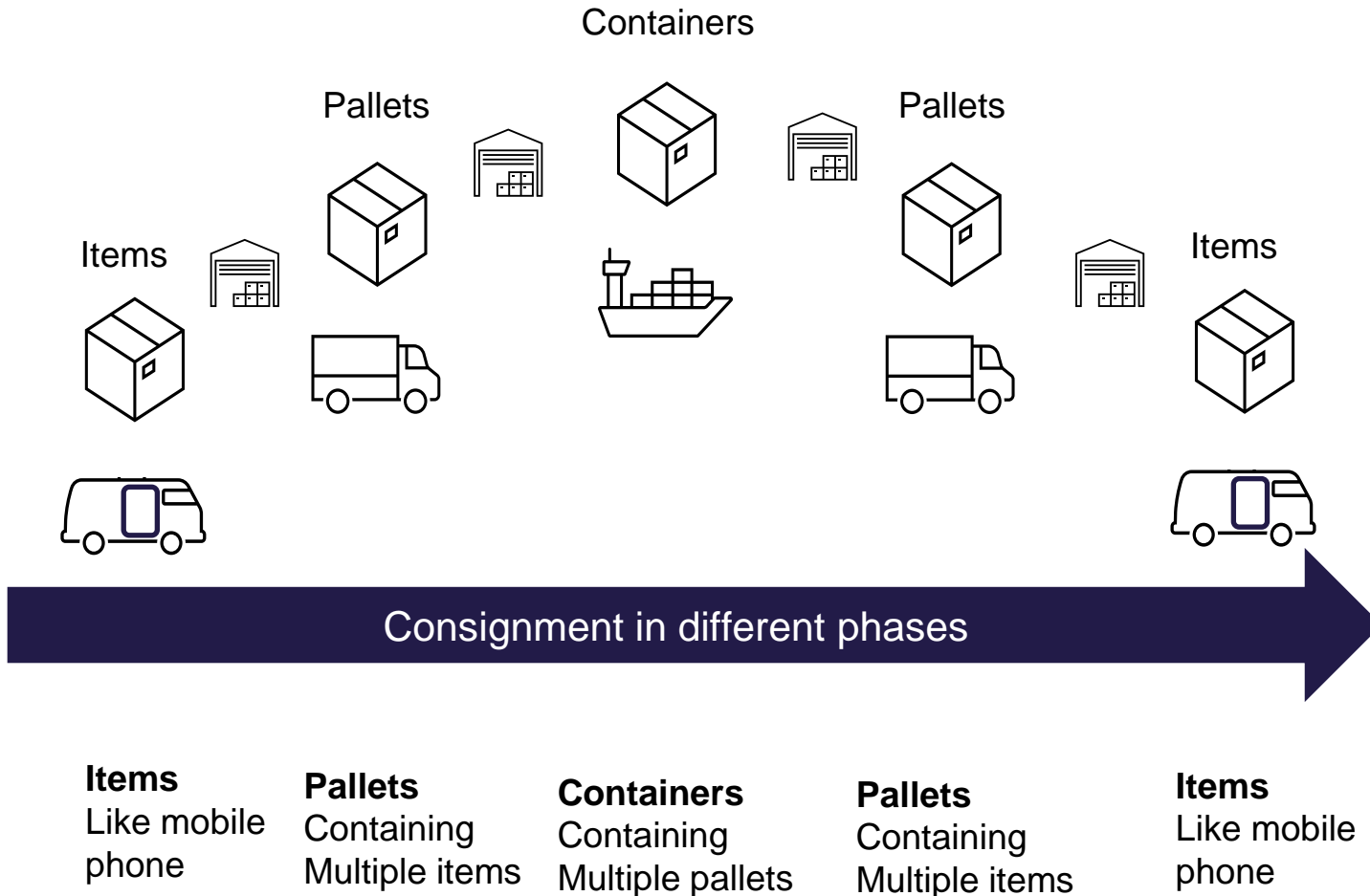
## Standard eDelivery

Standard in every country

eDelivery is not that familiar to economic operators

eDelivery uses AS4 XML format

# Let's be precise with terminology: What are our data elements?



```

1  <?xml version="1.0" encoding="utf-8"?>
2  <consignment
3      xmlns="http://efti.eu/v1/consignment/identifier"
4      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5      xsi:schemaLocation="http://efti.eu/v1/consignment/identifier ..
6
7  <!-- eFTI39 -->
8  <carrierAcceptanceDateTime formatId="203">202401010000</carrierAcce
9
10 <deliveryEvent>
11   <!-- eFTI188 -->
12   <actualOccurrenceDateTime formatId="203">202401020000</actualOccu
13 </deliveryEvent>
14
15 <mainCarriageTransportMovement>
16   <!-- eFTI1451 -->
17   <dangerousGoodsIndicator>>false</dangerousGoodsIndicator>
18
19   <!-- eFTI581 -->
20   <modeCode>3</modeCode>
21
22   <usedTransportMeans>
23     <!-- eFTI618 -->
24     <id>313</id>
25     <!-- eFTI620 -->
26     <registrationCountry>
27       <code>FI</code>
28     </registrationCountry>
29   </usedTransportMeans>
30 </mainCarriageTransportMovement>
31
32 <usedTransportEquipment>
33   <carriedTransportEquipment>
34     <!-- eFTI448 -->
35     <id>313</id>
36     <!-- eFTI1000 -->
37     <sequenceNumber>1</sequenceNumber>
38   </carriedTransportEquipment>
39
40   <!-- eFTI378 -->
41   <categoryCode>AE</categoryCode>

```

# Requirements for platform

Need to fulfill security standards

Need to certificate platform

Authentication is mandatory

Need to comply with response times

Technical specifications, data model and interfaces

Data storage times are defined





# eFTI is limited data sharing from EO to Authorities, it is nothing more.

However, EOs can agree that they use other services to share same information, but it is more what regulation says.

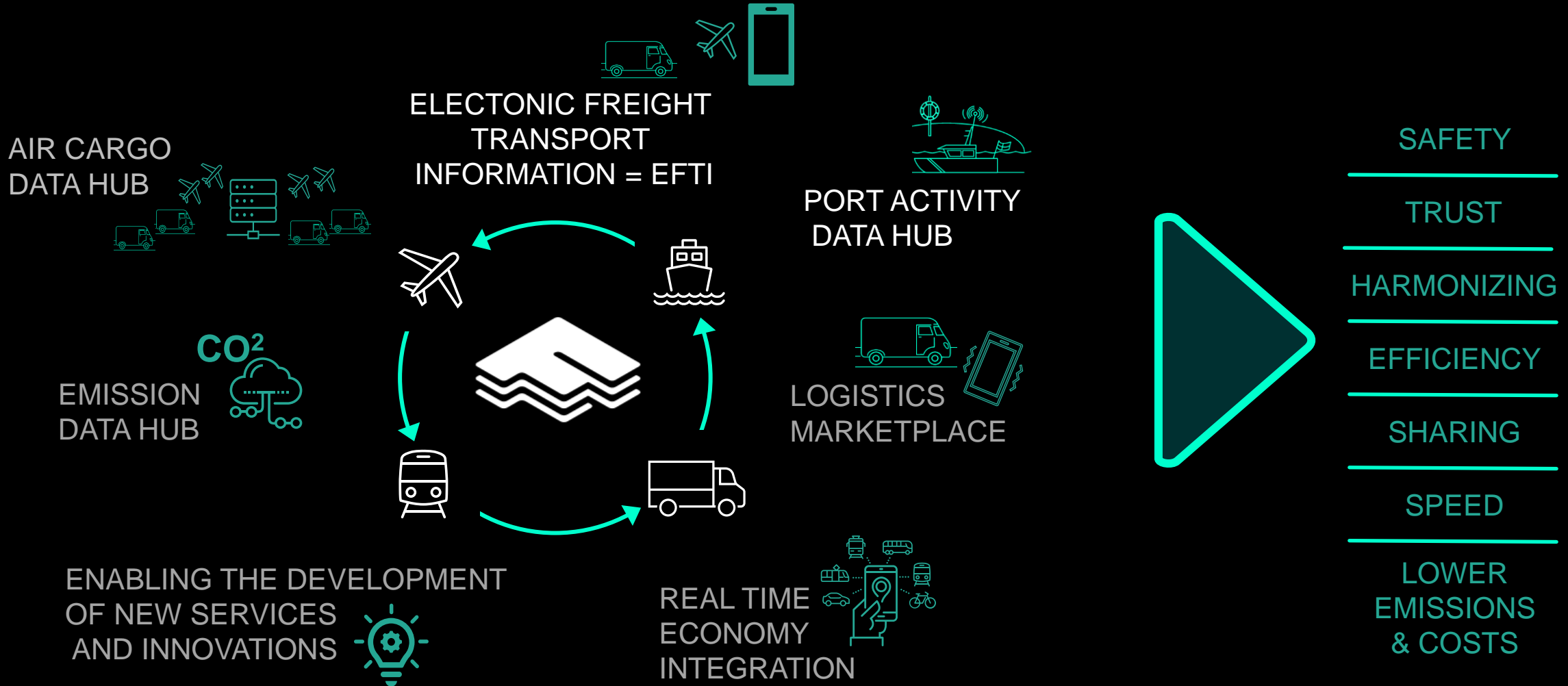
Think solutions that will utilize the same information and share that in a secure manner and provide value for logistics chains.

## Selected pilot areas

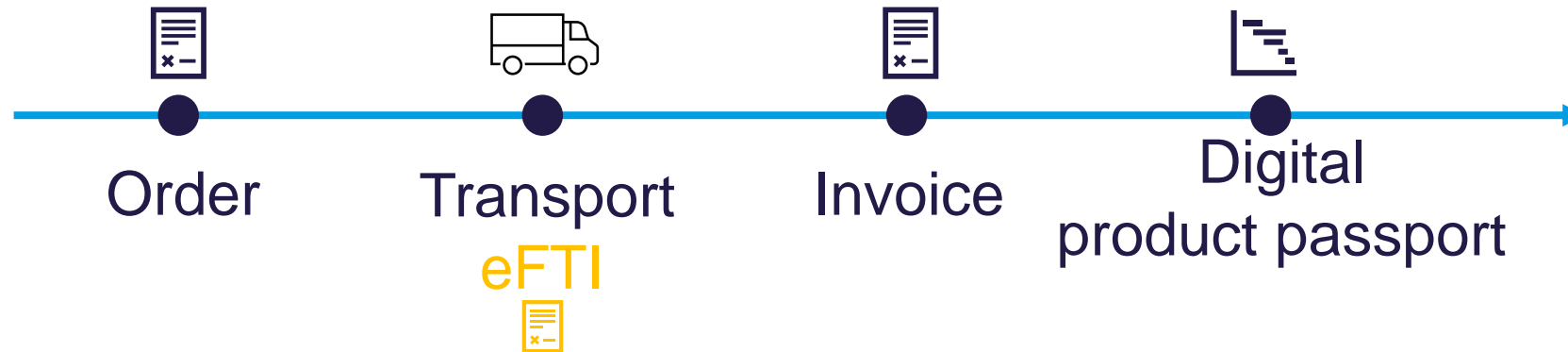
- **Interoperability pilots**
  - How it will work together with other solutions
- **Cross border pilots**
  - How eFTI will work from country to country
- **Data pilots**
  - How eFTI data is linked with other logistics data models
- **National pilots**
  - How eFTI can bring value in a National level

Show the  
benefits  
of eFTI

# Linked data generates more value than separate solutions, where eFTI is one piece of the digital logistic puzzle



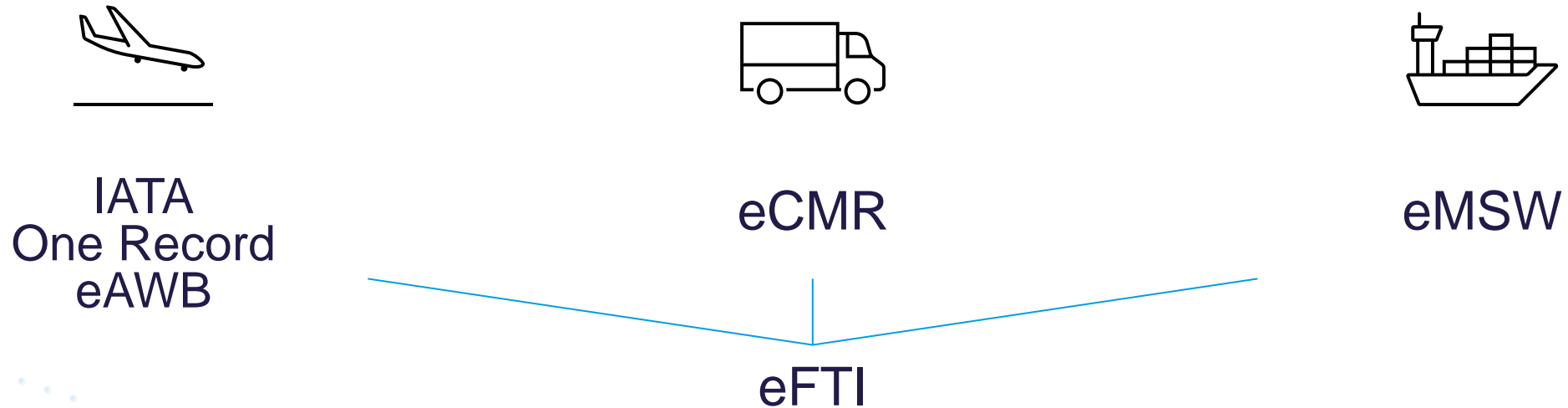
# eFTI is only one part of the logistics process - combined with other data it can bring greater value



Most of eFTI information is from order and invoicing needs waybills to accept invoice.

**In Finland, we are piloting this and discovering its value, especially if eFTI is integrated into the Real Time Economy, which includes other areas as well.**

# Piloting eFTI interoperability with other standards



How eFTI works together with following data models?  
How we can help the industry to provide information to authorities by using eFTI?

**In Finland pilots related to IATA One Record and eMSW are planned.  
Other eFTI4EU members have planned multiple pilots with eCMR.**

## Piloting with authorities using data from platforms



To provide practical information to authorities, it is important to do piloting with them. During pilots' authorities get understanding of available data and use cases and see how to utilize eFTI in future. It is also valuable to pilot with platform operators and authorities.

**Estonia has made an early pilot with six platforms, eFTI Gate and authorities where main point was to show data flow in practice from platform to authority.**

## Summary

### Why I need to be interested about eFTI?

- There will be a new market for eFTI platform providers.
- eFTI will bring benefits for companies.

### What I need to know on a technical level?

- Interface of that eFTI Gate on which you like to communicate
- Data model
- Requirements from EU Commission which will be published later

### What kind of business I can do with eFTI?

- What kind of platform you will use / develop
- There are also other parties than authorities who need the same information. Can you create additional services for that between B2B market?



# Thanks!

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