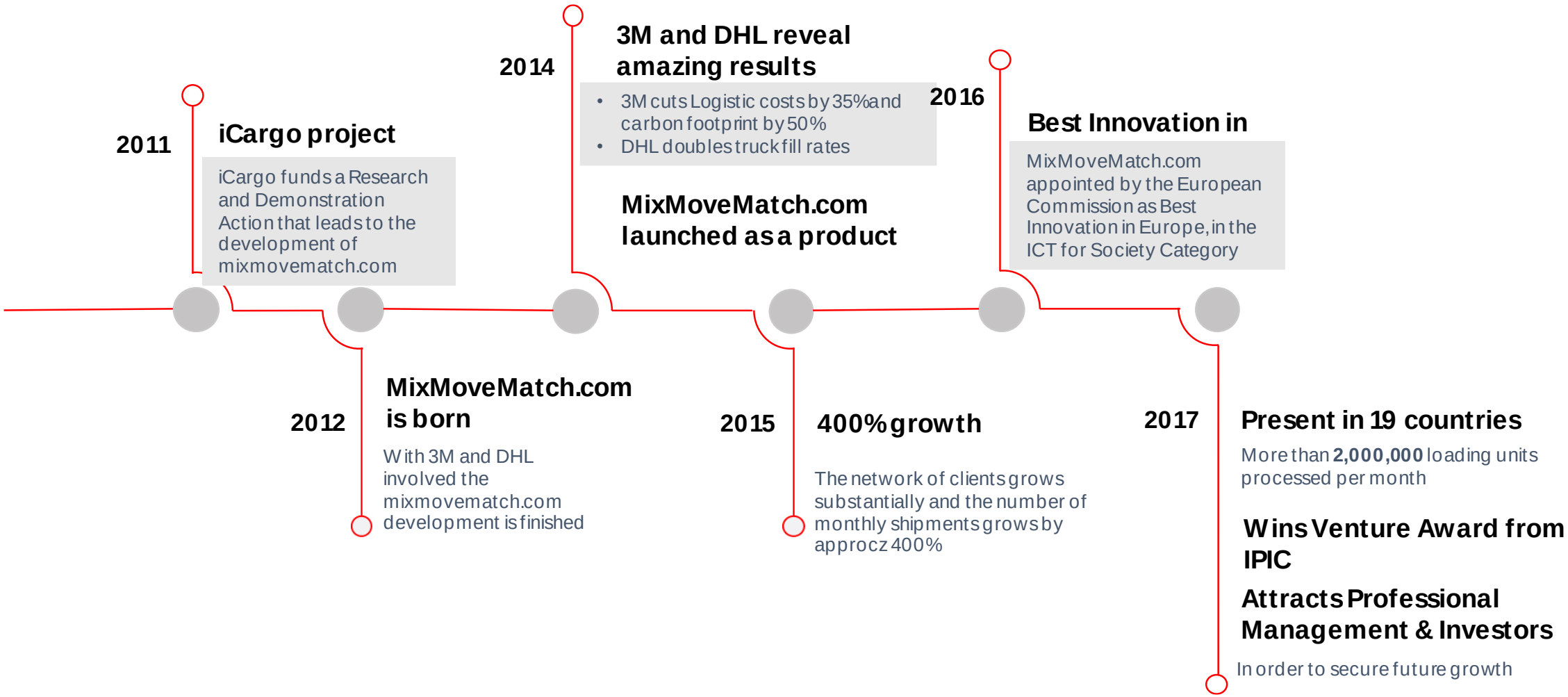
MixMoveMatch

Making Moves Sustainable

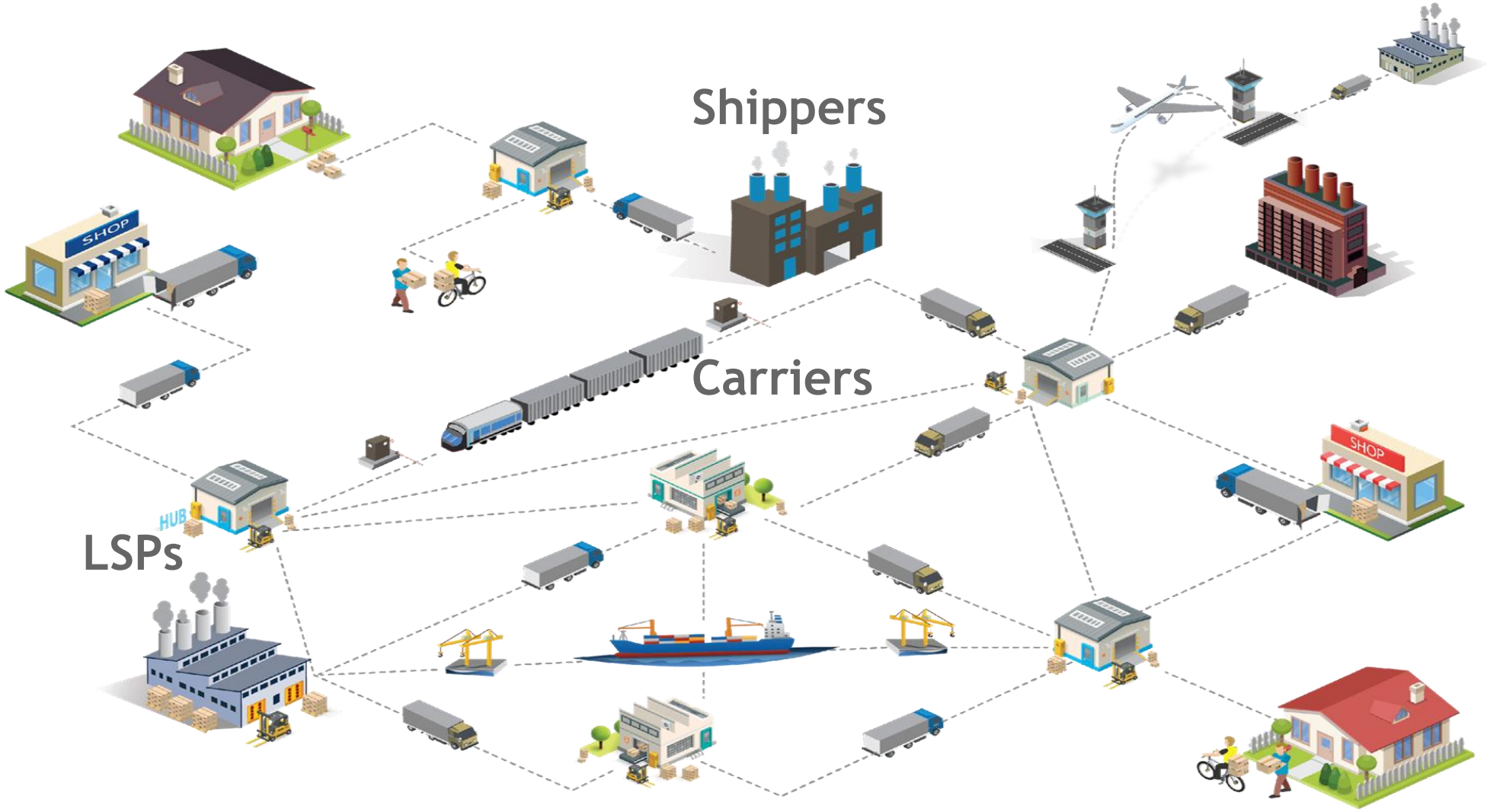
Preparing the European Combined Transport Community for Parcel Based Logistics (Physical Internet)

Company Background



From Transport Chains to Sustainable, Collaborative Logistics Networks

MIX MOVE MATCH



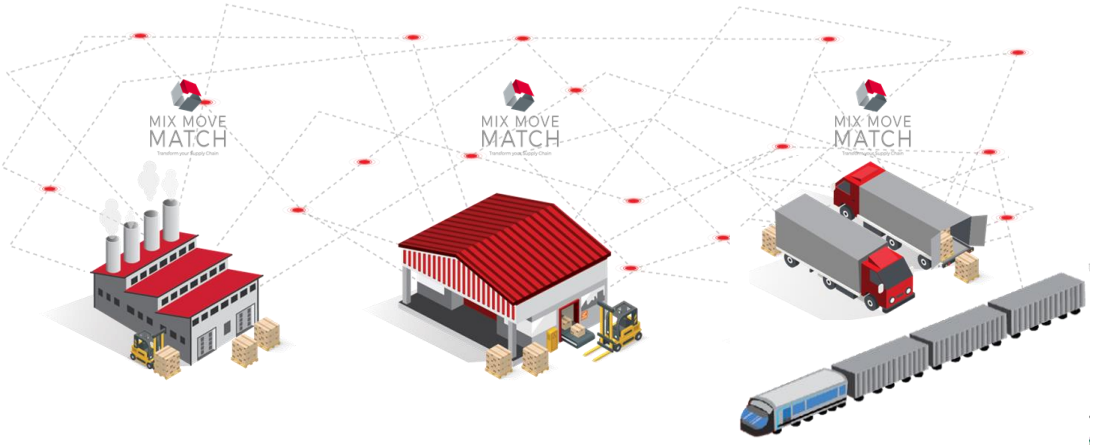
Overview

1. A COLLABORATIVE INTELLIGENT LOGISTIC NETWORK

Allows for SMART algorithms to run the network and take decisions in real-time that promote optimisation of resources and costs

2. EXECUTION MANAGEMENT

It can provide the basic functionalities to run the logistic network, such as: TMS, WMS and a Supply chain Dashboard



3. CROSSDOCKING HUBS TURNED INTO EFFICIENCY BOOSTING ASSETS

Allows breaking down cargo flows from truck, to pallet all the way to individual boxes and then reconstruct them into optimised orders prepared for the next destination

4. FULL SUPPLY CHAIN VISIBILITY

The organisation gets full supply chain visibility, down to box level and in real-time

5. HORIZONTAL COLLABORATION WITH OTHER LSP'S (OUTSIDE THE NETWORK)

Horizontal collaboration to bundle and optimise loads can also be exploited.

How we started towards Parcelised Logistics

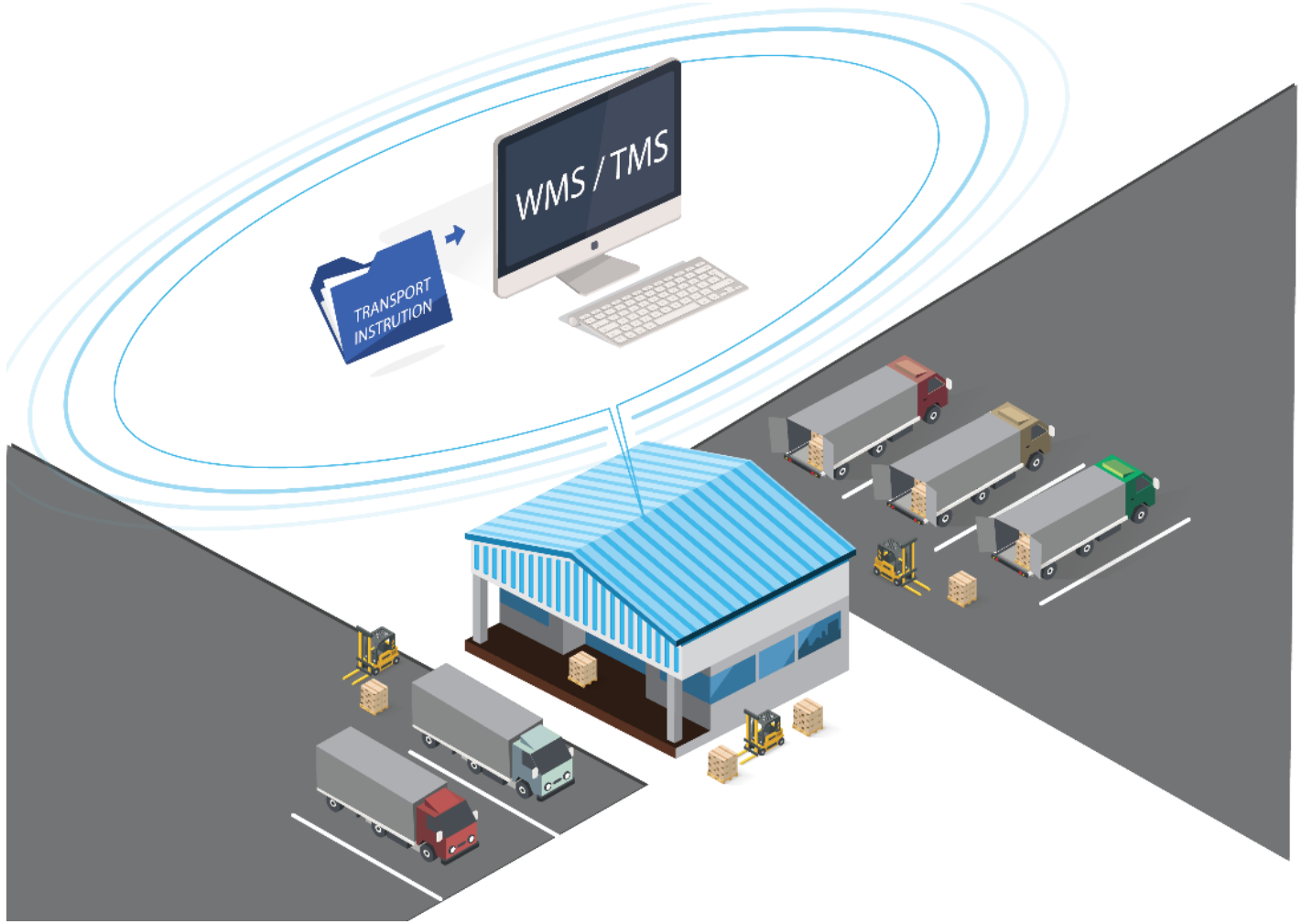
MIX MOVE MATCH

Video

Introduced without changes to existing infrastructure

MIX MOVE MATCH

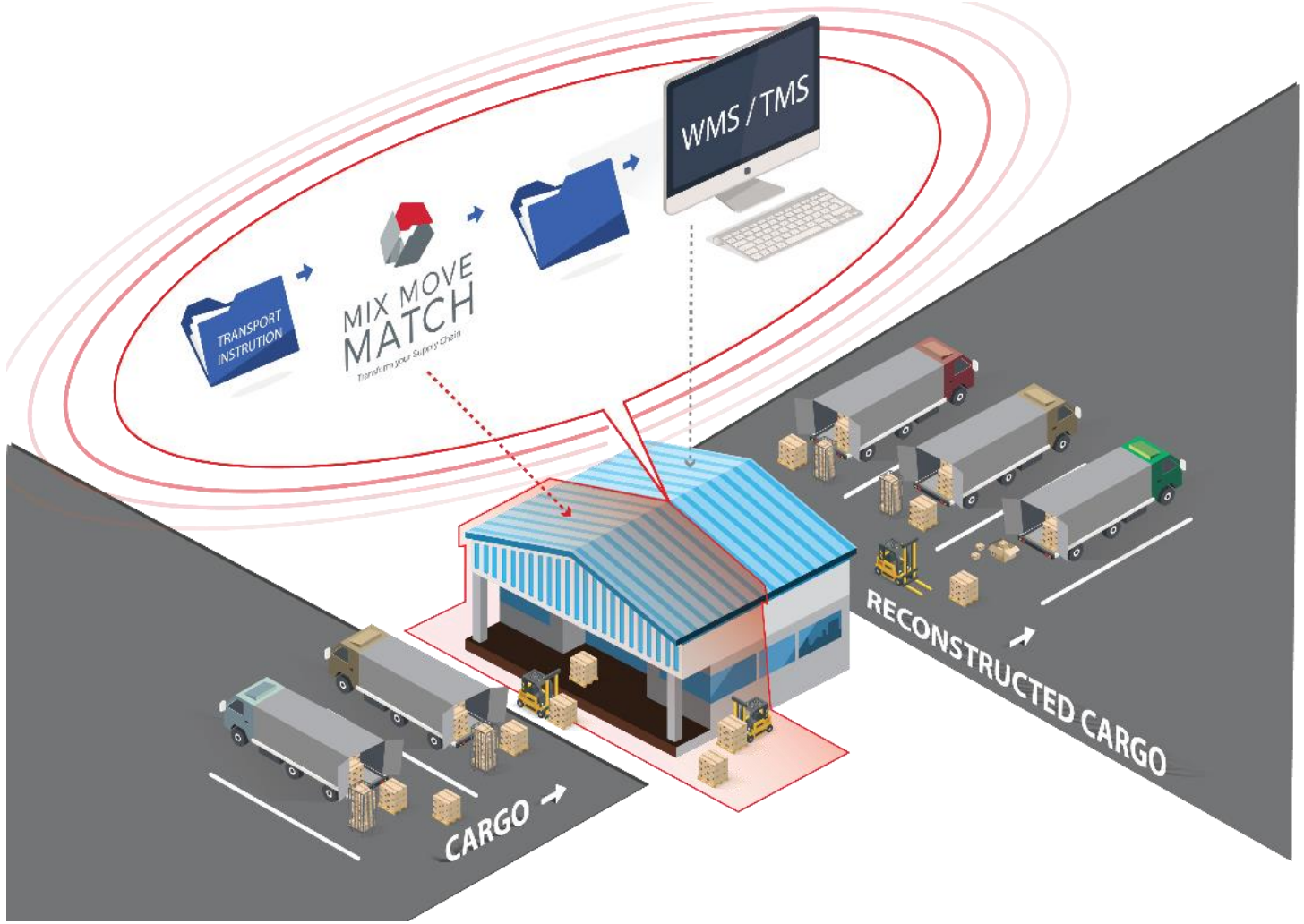
Before



Introduced without changes to existing infrastructure

MIX MOVE MATCH

After



Consolidation at all levels

- Making the best possible use of resources
- Deciding the next segment in the network – if configured for it
- Decisions based on configurable pre-defined business rules

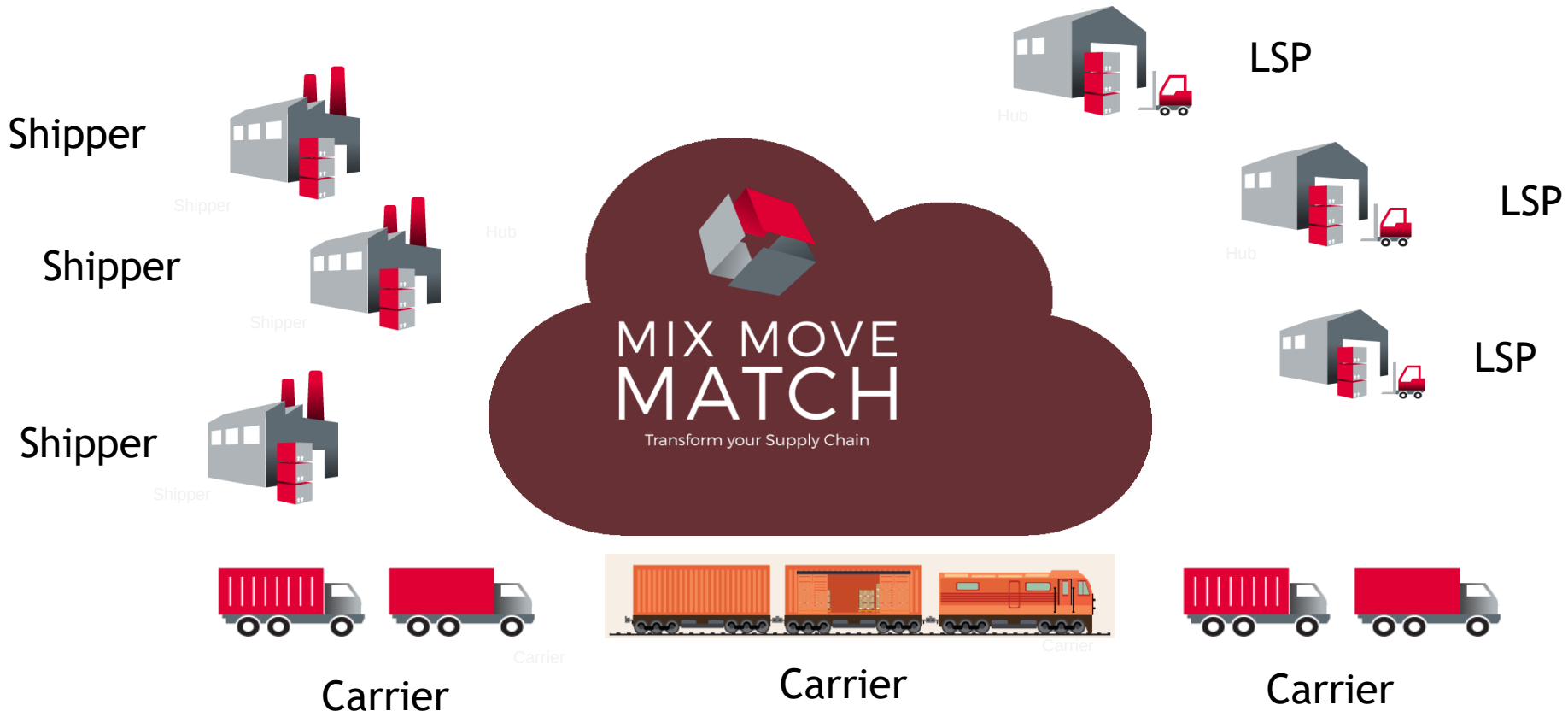
- Enabling:
  - Parcel focused logistics, or
  - The Physical Internet

Parcels

Pallets

Containers

In the Cloud


Shipper
Shipper
Shipper
LSP
LSP
LSP
MIX MOVE MATCH
Transform your Supply Chain
Carrier
Carrier
Carrier

Functions available

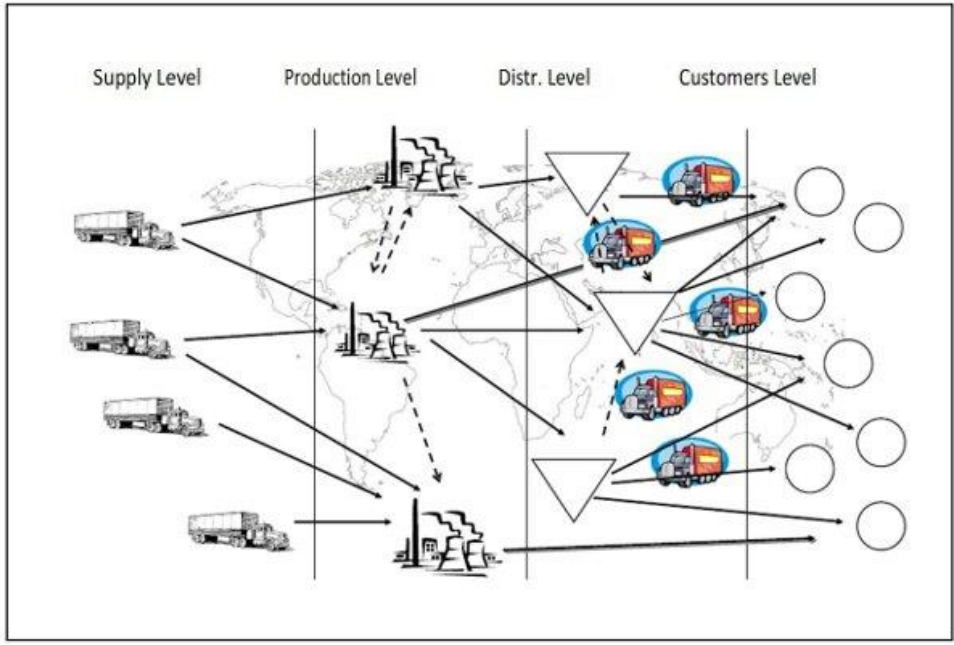
- Integration to existing ICT systems
- Mobility – hand-held devices for communication with drivers
- Cross-docking Hub management - supplementing existing TMS and WMS systems, if they exist
- Forwarding:
  - Based on contracts
  - Spot – using a Market Place of available services
- Dynamic Routing – when relevant
- WMS
- Last Mile operations
- Transport Control Tower
- E-Commerce Integration)
- Billing Audit
- **End-to-end Visibility**
- **Up-to-date documentation at all times**

Customer Cases
Logistic Network Optimisation (1)

MIX MOVE MATCH

The Problem

- Logistic company with geographical spread **runs its hubs and logistic assets as disconnected units**, resulting in:
  - Each hub focusing on its own optimisation (instead of the networks')
  - Non-optimised fill rates
  - Non-optimised operations

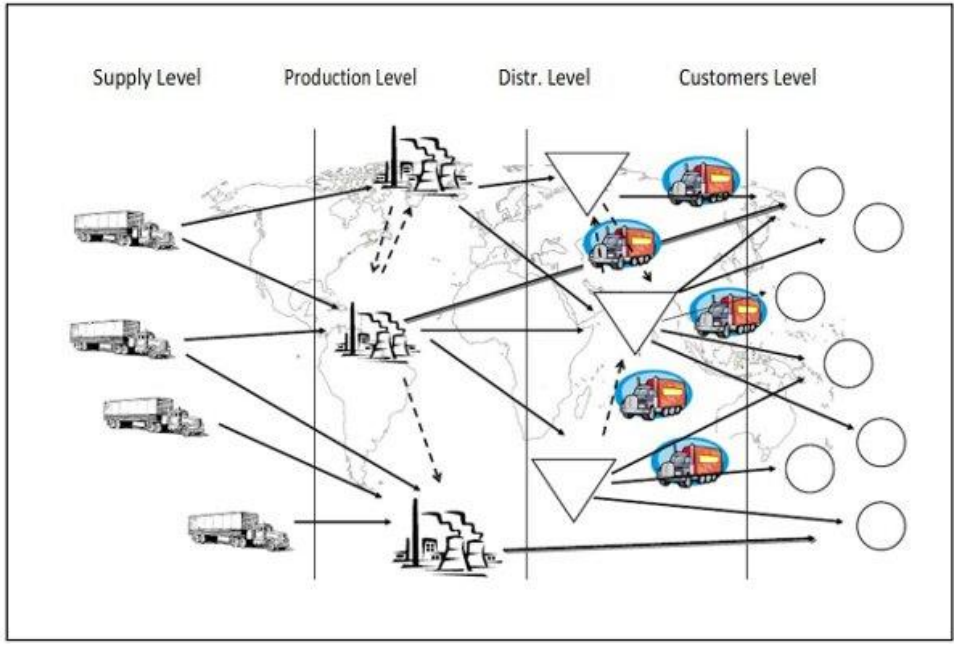


Customer Cases
Logistic Network Optimisation (2)

MIX MOVE MATCH

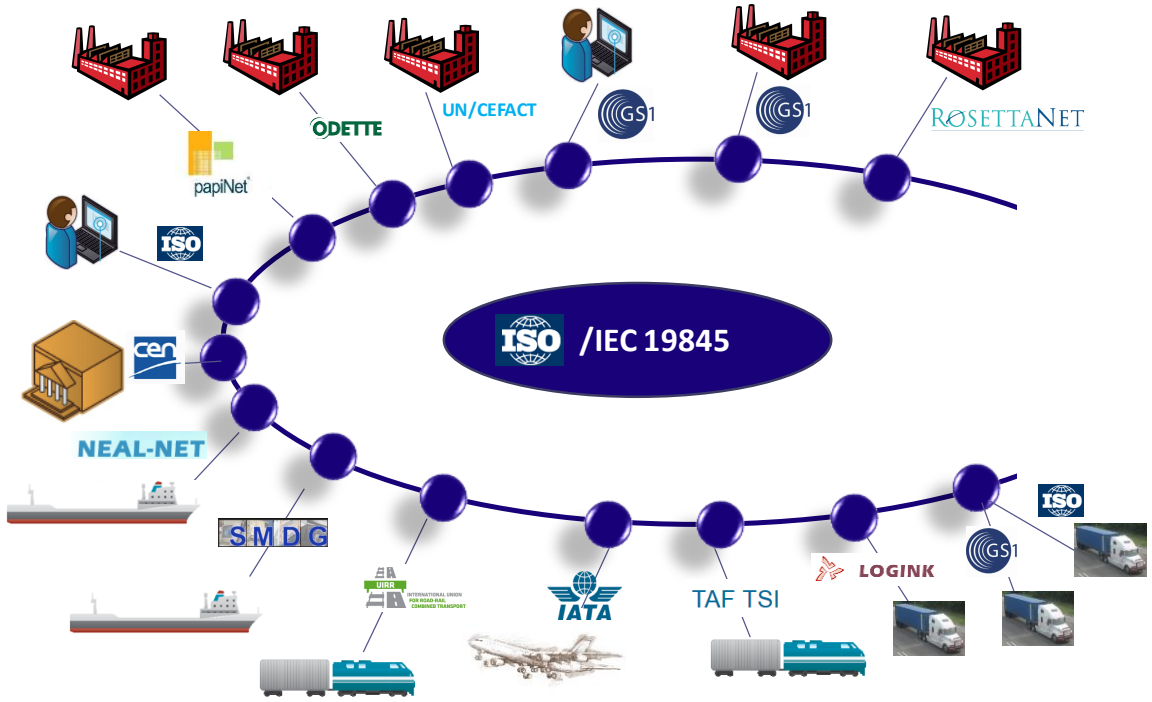
Our Solution

- MixMoveMatch.com supports logistic companies to **run their hubs and assets as a real network**, instead of several units with the same brand.
- Experienced gains are (road):
  - Up to 50% increase in truck fill rates
  - Up to 35% reduction in total logistic costs

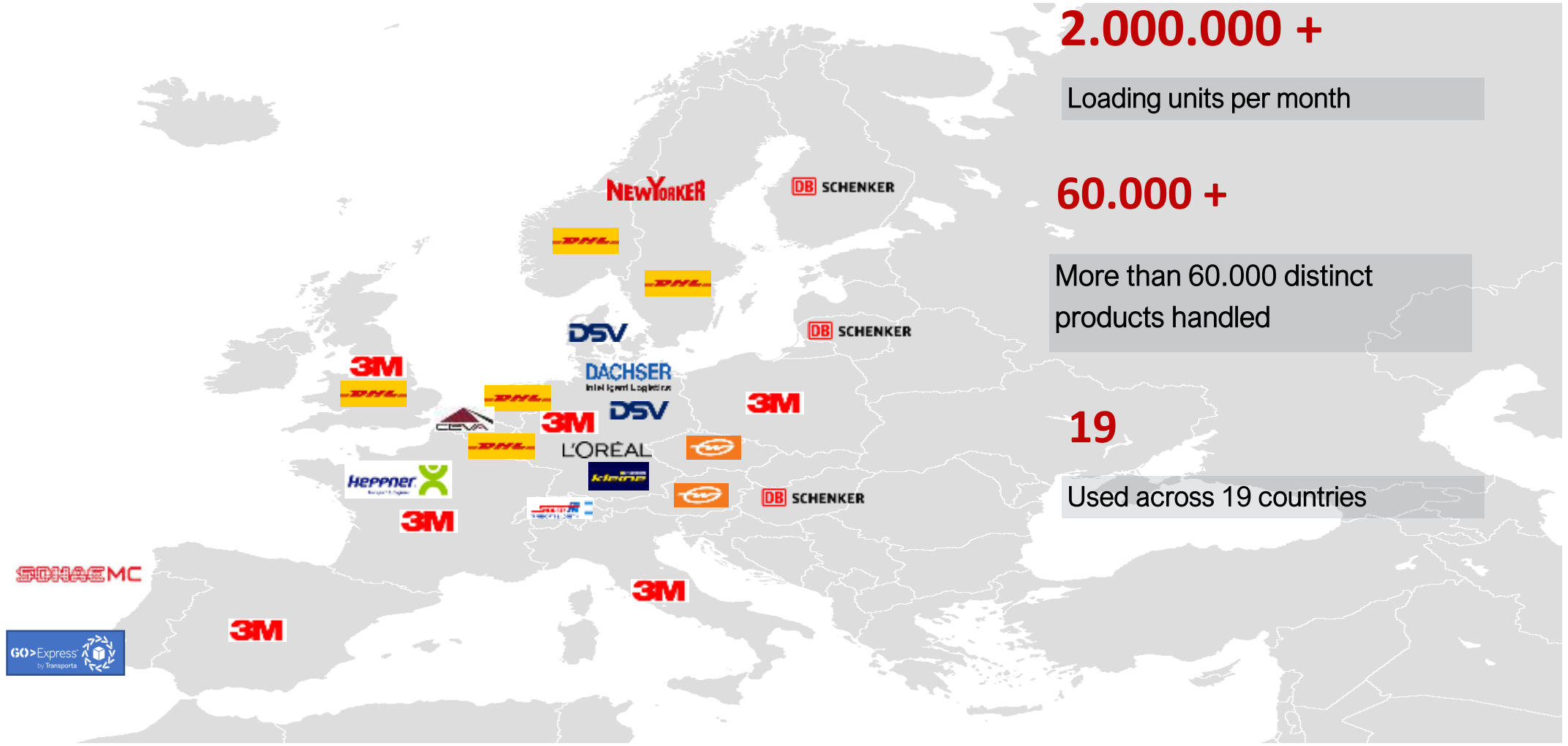


Philosophy

- Preserve existing investments in ICT as much as possible
- Utilises eDelivery for effective connectivity of all logistics stakeholders
- Facilitates interoperability (no need to users to change standard if they do not want to



Implementations



2.000.000 +

Loading units per month

60.000 +

More than 60.000 distinct products handled

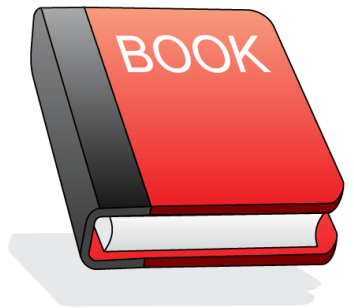
19

Used across 19 countries

B2B and B2C Logistics face the same Requirements

MIX MOVE MATCH

- Statement from B2B LSP Managing Director:
  - If I buy a book for 25 Euro on Amazon or similar I will get updated status on the movement of the book until it arrives at my home.
  - When I am contracting someone to move goods worth 25.000 Euro, I only get information when it arrives.



Our proposal

- MixMoveMatch offers state-of-the-art technologies and capabilities for logistics management enabling:
  - Full visibility throughout the network
  - Updated transport documentation at all times
  - If needed, capabilities for making the best possible use of resources
- Using MixMoveMatch, the UIIR members may establish an unbeatable logistics network covering the European continent

Interoperability in Practice

Receive
Convert to ISO/IEC 19845
Identify access point of receiver
Send

Receive
Identify receiver (profile)
Convert from ISO/IEC 19845
Send

Improving Information Quality

Freight Forwarder

Booking hinterland transport

Booking ocean freight

Adria Kombi

Carrier

Missing "on carriage" information leads to:

- **Random storage of unloaded containers in the yard**
- **Unnecessary moves of containers**
- **Increased cost**
- **Reduced terminal productivity**

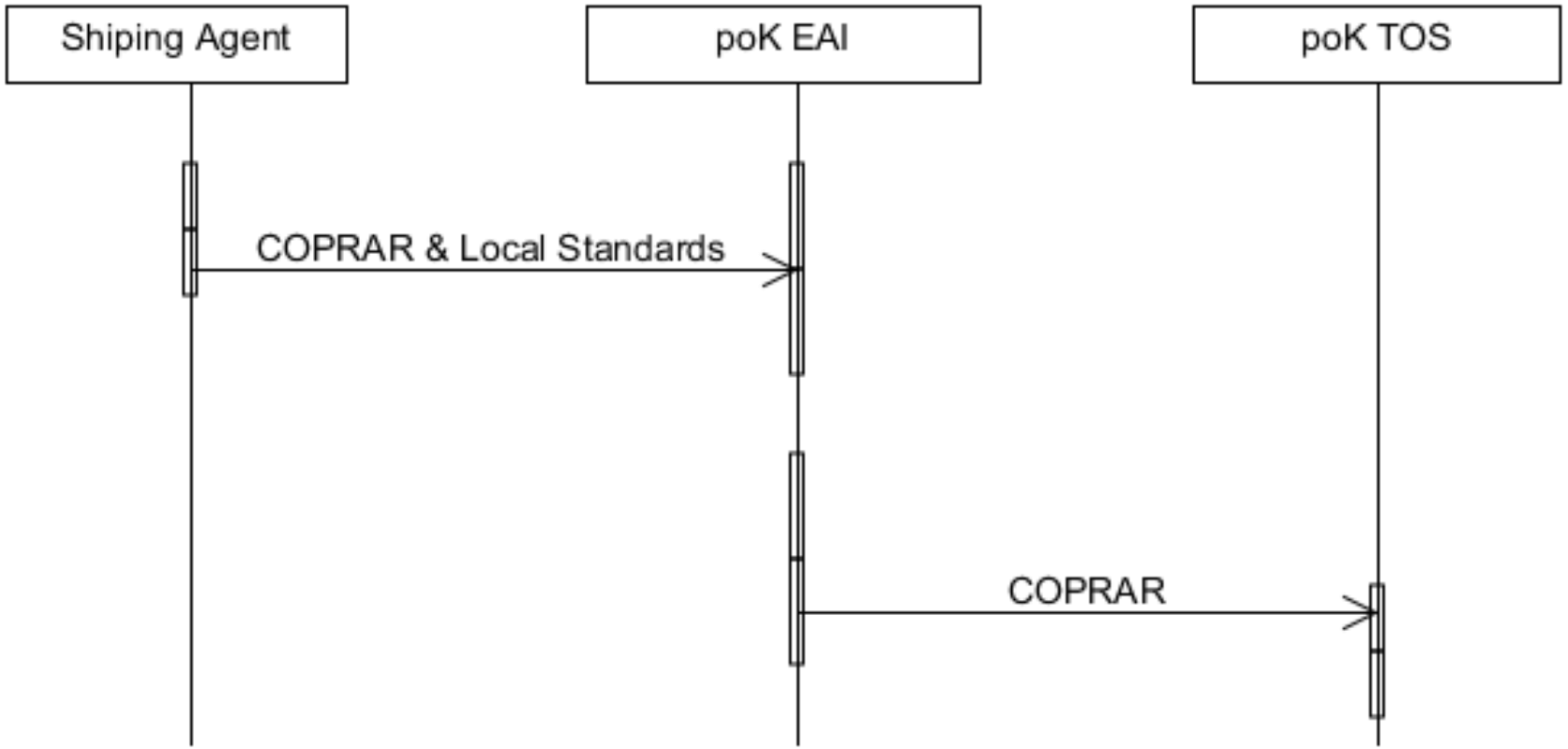
Cargo destination information

COPRAR loading list

Port of Koper

From the EcoHubs project

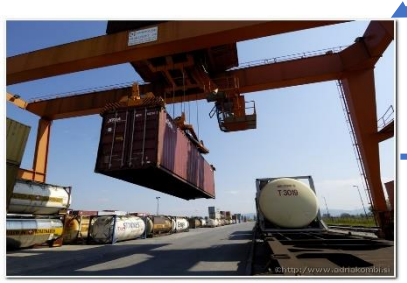
Original Data Flow



Solution

Freight Forwarder

Adria Kombi



MixMoveMatch

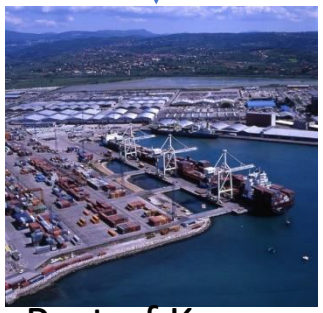
ISO/IEC DIS 19845

COPRAR

Carrier

ILU message associating a container number with a train number or a destination city

Enhanced COPRAR



Port of Koper

Revised Data Flow