



MIXMOVE

Trade Facilitation and the Physical Internet

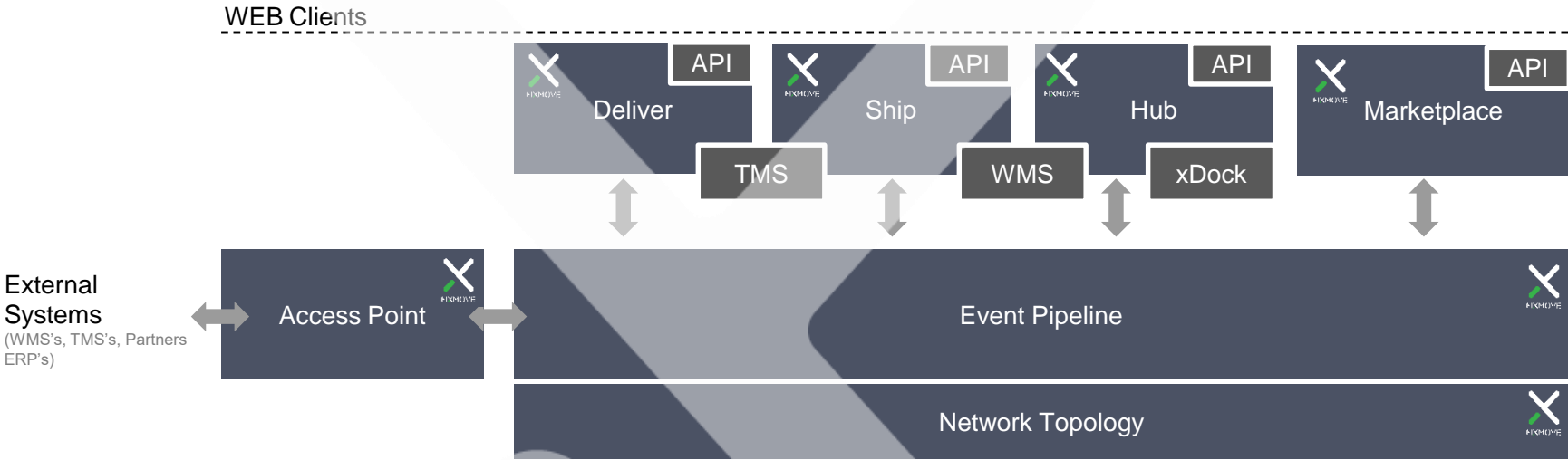
www.mixmove.io



Agenda

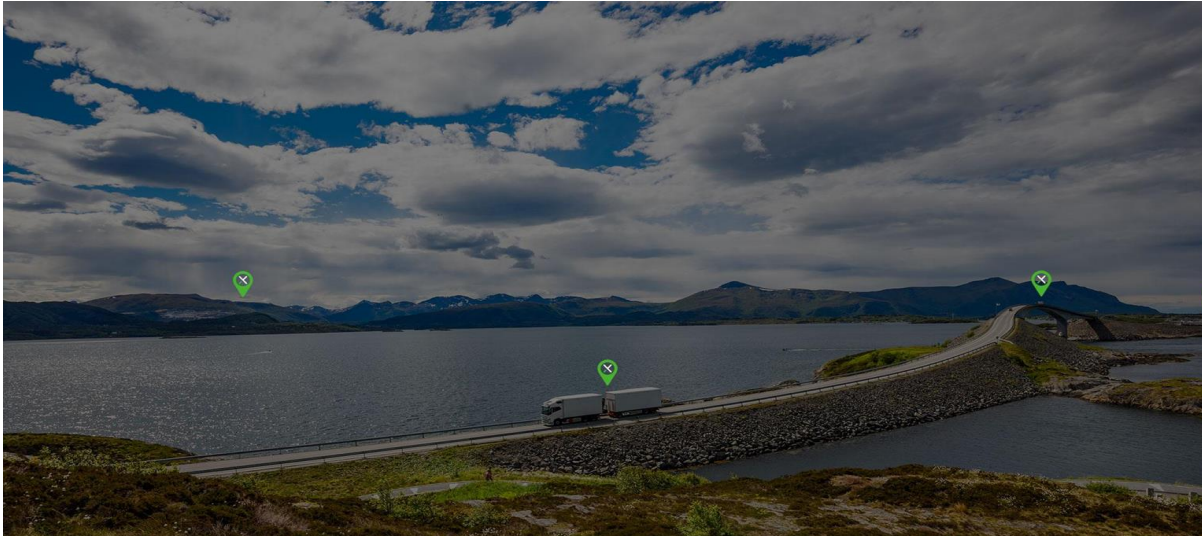
- What are we doing today providing interconnectivity
 - Acquiring & Sharing Information
 - Managing Identification
 - Operational Efficiency
 - Planning + Execution tracking
- Future: PI service Provider
 - Our Ambition
 - Key Mechanisms to be put in Place

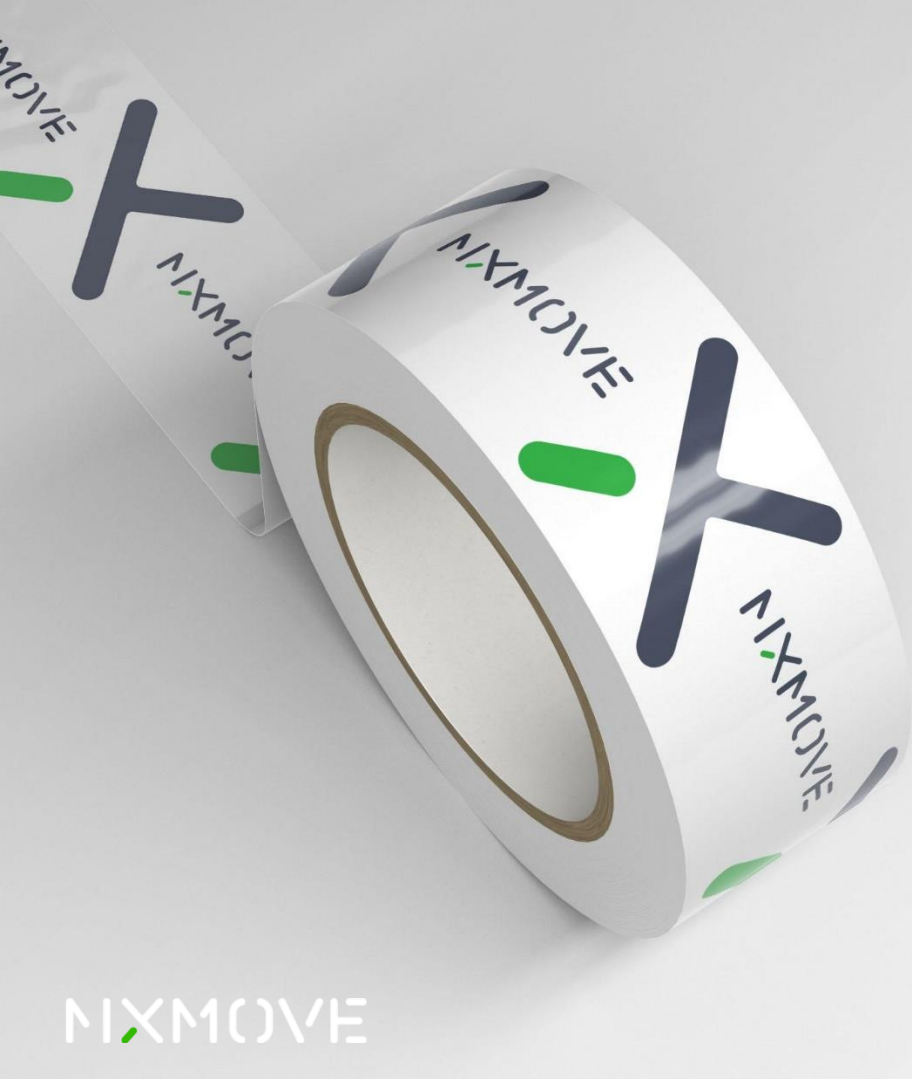
MIXMOVE OVERVIEW



Acquiring & Sharing Information

- Map information from existing systems to a common event repository
- Provide a single combined view over Planning and Execution
- Share documentation
- Coordinating and Capturing execution





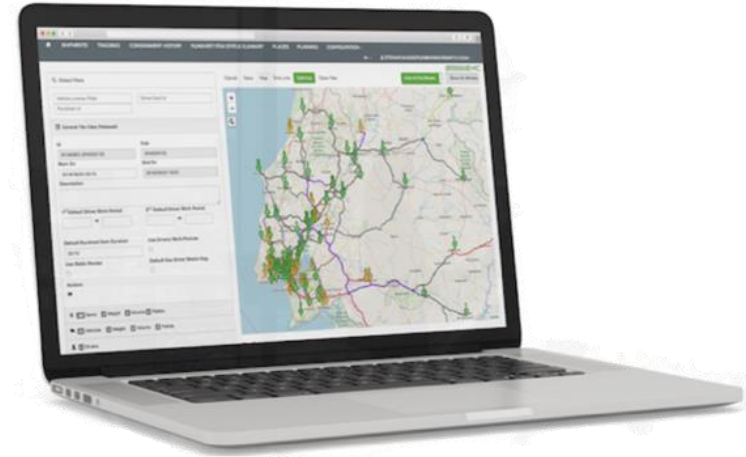
Managing Identification

We create digital representations of all physical objects and keep them updated

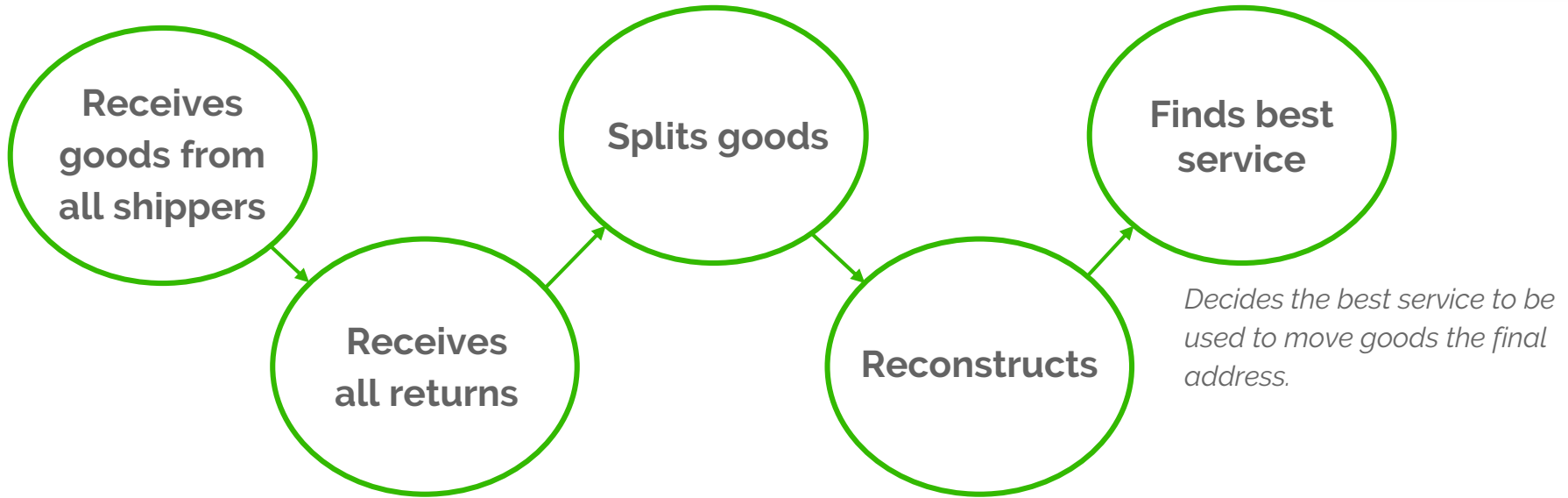
- Identifying uniquely Transport Units, shipments and consignments from source
- Relate all planning and events to the same identifier is key to end-to-end visibility

Planning + Execution and tracking

- Tracking against a plan is the only truly useful tracking
- Capacity to adjust the plan according to the captured tracking is key
- We are capturing events from a multitude of sources and confronting them to the plan
- Automate routing decisions based on situation awareness and artificial intelligence



The Hub is Key



To maximise use of any vehicle or logistics unit

- Long hauls
- Last mile

A white semi-truck is shown from a low-angle, front-quarter perspective. The truck is parked on a dark surface, and the background is a bright, hazy sunset or sunrise sky. A large, semi-transparent white 'X' graphic is overlaid on the right side of the image, partially obscuring the truck's trailer and the sky. The text is centered over the truck's cab and trailer area.

**Based on this MIXMOVE we
are delivering highly
effective solutions**

3M outsourced the service but owned the process

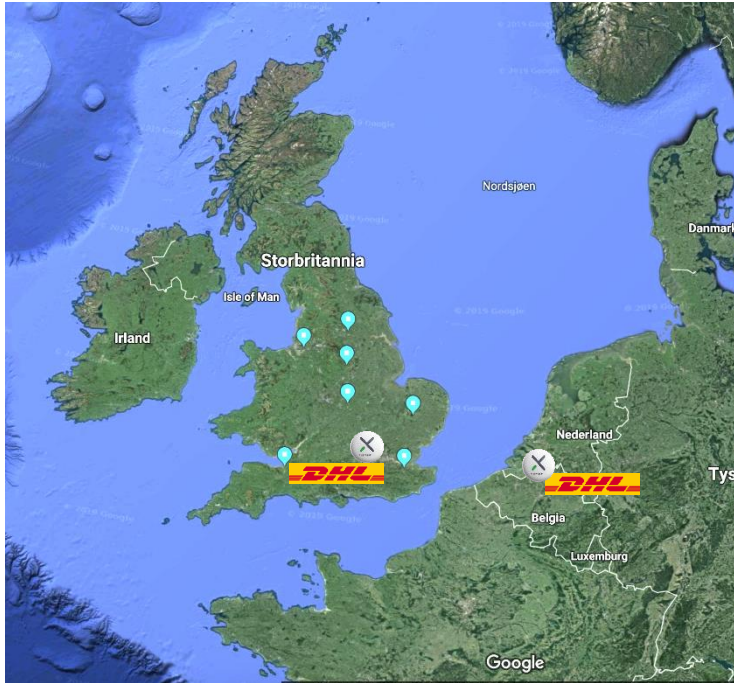


MIXMOVE Smart City Hub

- Consolidating and moving cargo from multiple shippers
- Storing cargo for shops when needed
- Moving goods originating in the city for onward transportation



The NHS Dedicated Shipment Channel



- 220 + suppliers registered
- A dedicated airfreight and ferry shuttle from Belgium to the UK,
- MIXMOVE handles:
 - Service booking
 - Labeling
 - Execution management
 - Full Visibility
 - Consolidation



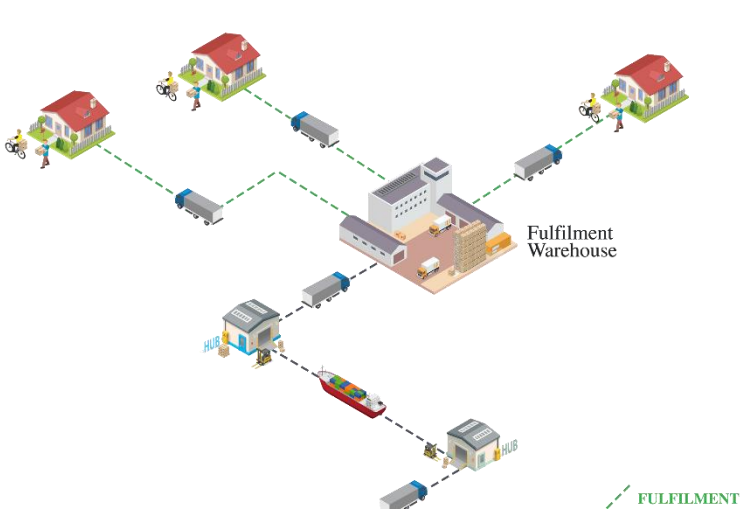
Department
of Health



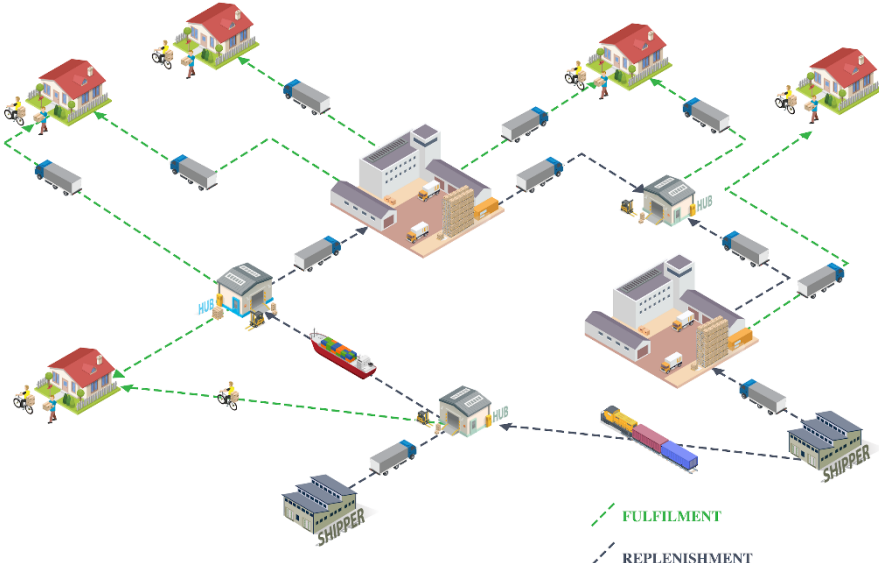
MIXMOVE

Fulfilment as a Service

Today - Fulfillment

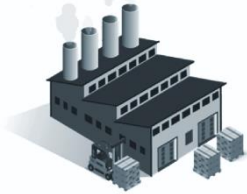


FAAS of tomorrow



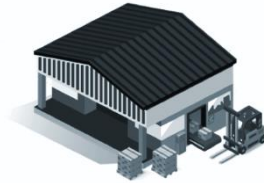
Benefits and results

SHIPPER



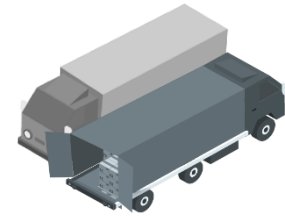
- Up to **35%** increase in Supply Chain integration
- Up to **30%** reduction in Freight Charges
- Up to **50%** reduction in Carbon Footprint
- Up to **25%** increase in Forecasting Accuracy
- Up to **20%** reduction in Inventory Cost
- Up to **10%** reduction of the Workforce
- Increased Customer Satisfaction

HUB

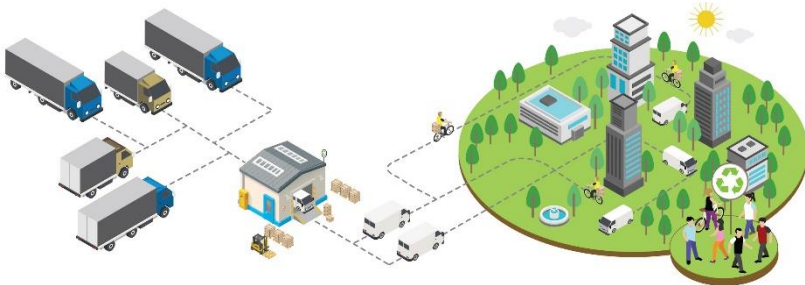


- Up to **140%** increase in Productivity & Throughput
- Up to **50%** reduction in Hub Space
- Up to **50%** reduction in Emergency Hiring
- Up to **140%** reduction in Costs

CARRIER



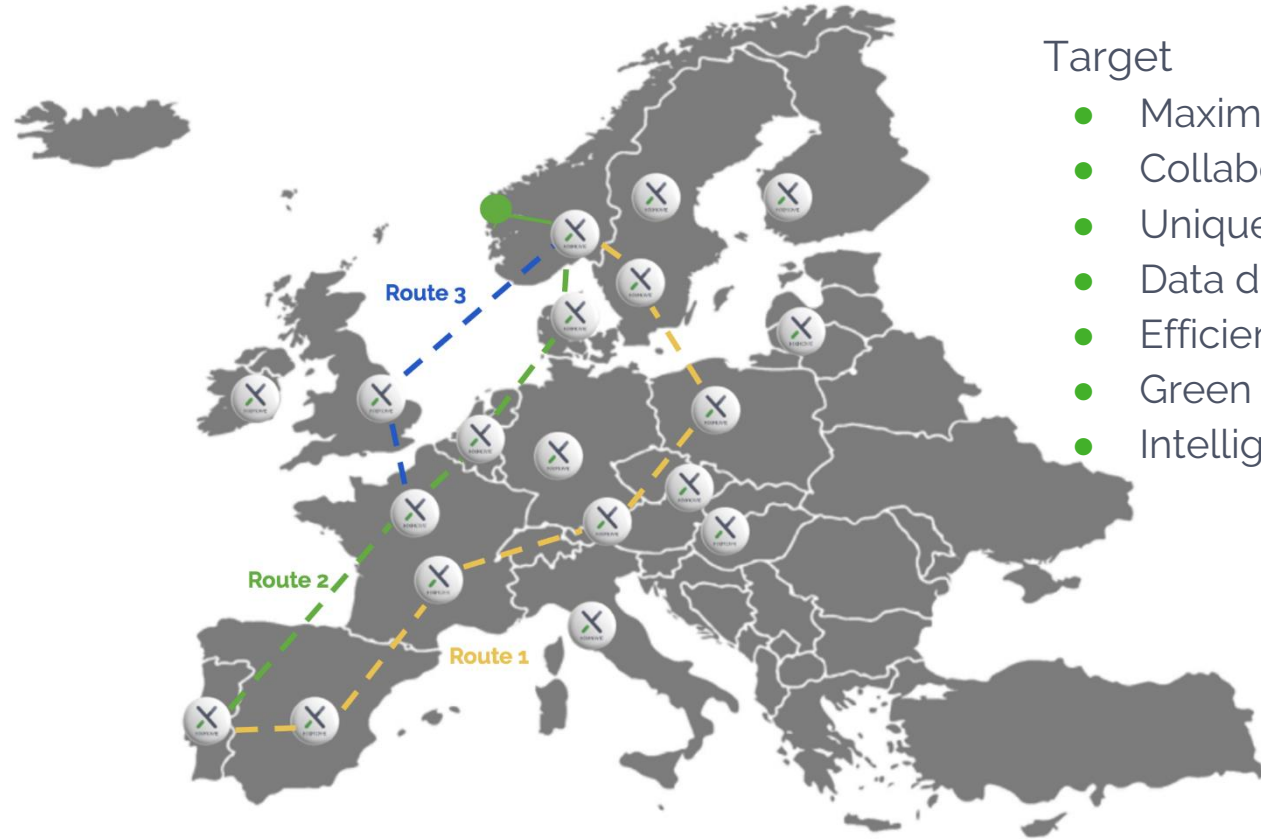
- Up to **50%** increase in Truck Fill Rates
- Up to **50%** reduction in Carbon Footprint
- Increased Management Capabilities
- Increased Margins
- Up to **15%** reduction in Distances Travelled
- Increased Customer Satisfaction



SMART CITY LOGISTIC

- Easily integrated with all Cargo Owners
- Execution Management (*e.g manage pick-ups, cross-docking, handle shipments, schedule and notify clients, manage deliveries, manage returns*)
- Cargo Consolidation
- Collaboration between logistic networks

“First Generation” Physical Internet




Target

- Maximize available capacity
- Collaboration - Sharing
- Unique ID on Parcel Level
- Data driven Logistic
- Efficient
- Green Logistic
- Intelligent supply chain



BUT... we still need to build integration with each party or with the aggregator each provider is connecting to

A large white semi-truck is driving on a multi-lane highway. In the background, another truck is visible on the road. The scene is set during the day with some haze or overcast sky. Streetlights line the road.

**Our Ambition is to become one of the
leading Physical internet service
providers**

***Allowing our customers to cooperate without
forcing their partners to make the same choices***

Pi Platforms should be like an ISP

- Together Establishing a physical world wide Web
- Each company should be able to choose is PI provider and be able to participate in a supply chain regardless of their partners choices



Key Mechanisms to be put in Place

- Standardization
 - Reference Domain Models (hubs, transport units, services, ...)
- Open Architecture Model,
 - Federated and Globally Addressable
 - Secure
 - Independent from Semantics or Applications
 - Independent from Vendor or Provider
 - Simple and Easy to Use



Interested in a conversation about our solutions and views?

Let's connect



NIXMOVE