



MIXMOVE

Reduce emission - increase efficiency
Maximise utilisation of freight capacity
Data driven logistic, BIG DATA



The goal is to reduce CO2 emissions globally by 50% by 2030 and eliminate them completely by 2050

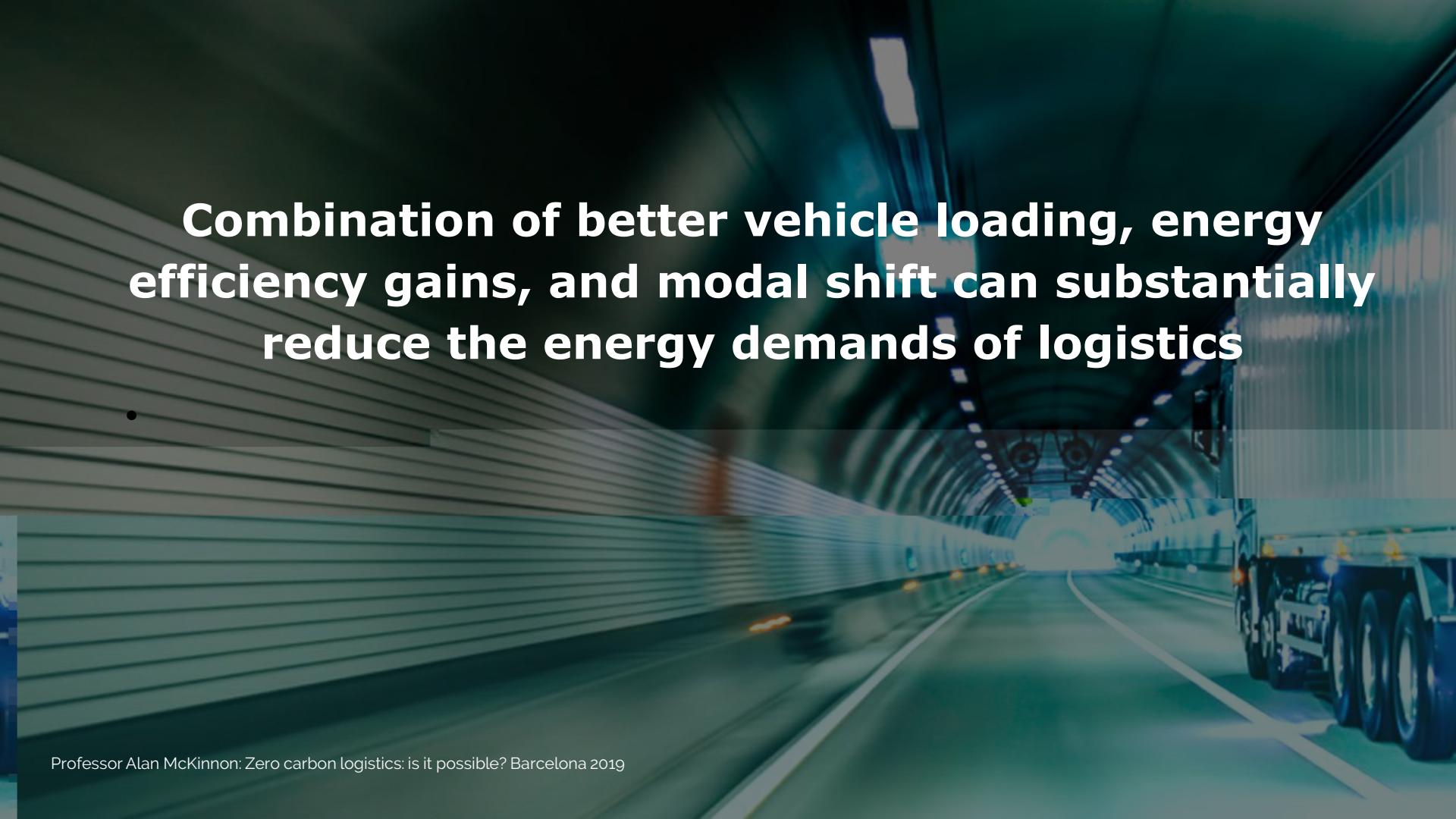
Logistics: responsible 10-11% of global CO2 emissions



Road transport moves 72% of all goods in Europe

**22% of all trucks on the road in Europe are empty,
the rest are only filled 50% on average.**

21% US, 30-50% Latin America



Combination of better vehicle loading, energy efficiency gains, and modal shift can substantially reduce the energy demands of logistics

3M outsourced the service but owned the process



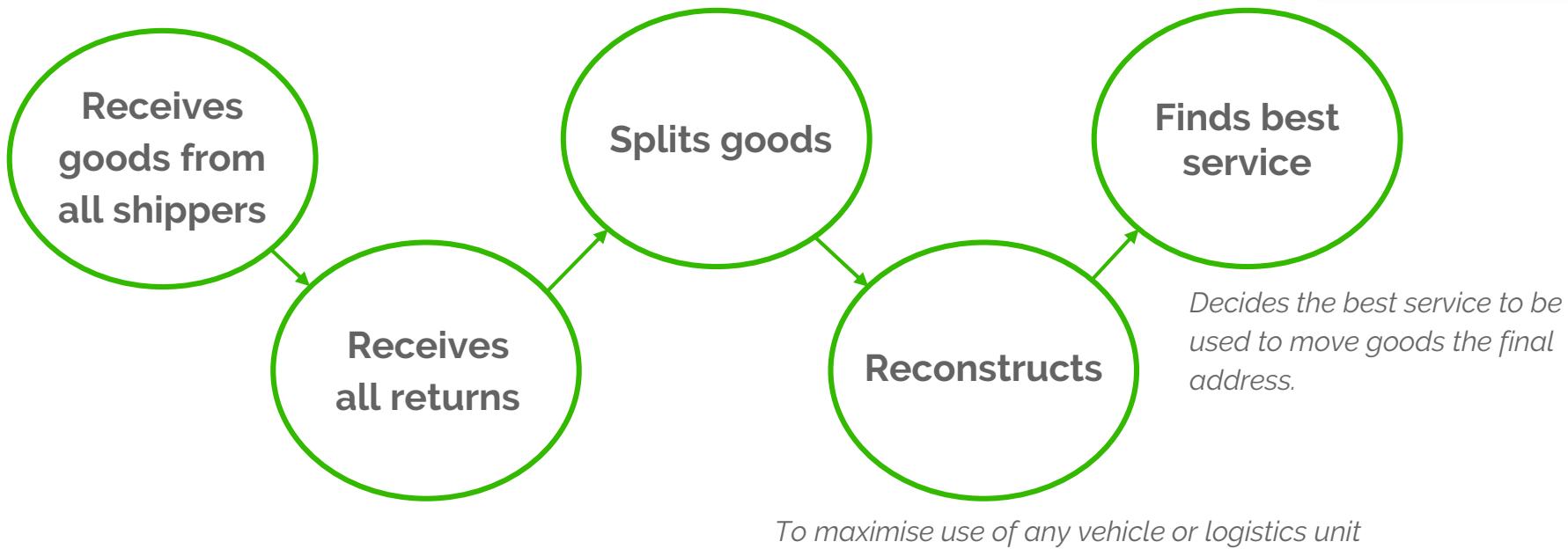
Increased Load Factors

- 3M did it - Everyone can do it
- All hubs can be involved without changing infrastructure or ICT
- All it requires are:
 - All parcels need to be labelled (unique ID f.ex. the GS1 SSCC)
 - Logistics operators need to be allowed to deconsolidate and consolidate at the parcel level
 - All hubs need to consolidate at a parcel level



The Terminal/Hub is Key

- to increase load factors and realise the **Physical Internet**



Owning the process gives great results

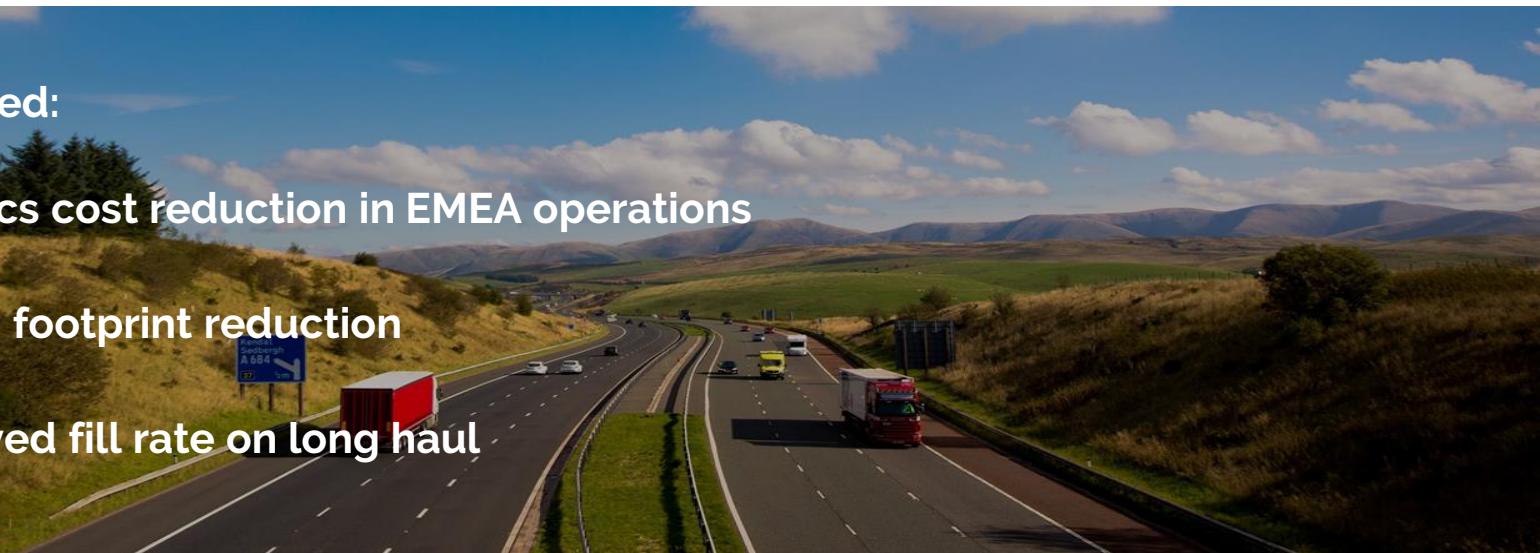
By shifting from systems focused on local operations to a fully collaborative network, with decisions taken in real-time using smart automation, **some of the biggest inefficiencies in logistics were unblocked**:

3M experienced:

35% logistics cost reduction in EMEA operations

50% carbon footprint reduction

90% Improved fill rate on long haul



Benefits also for the 3PLs/hubs



Hub in the UK:

Before

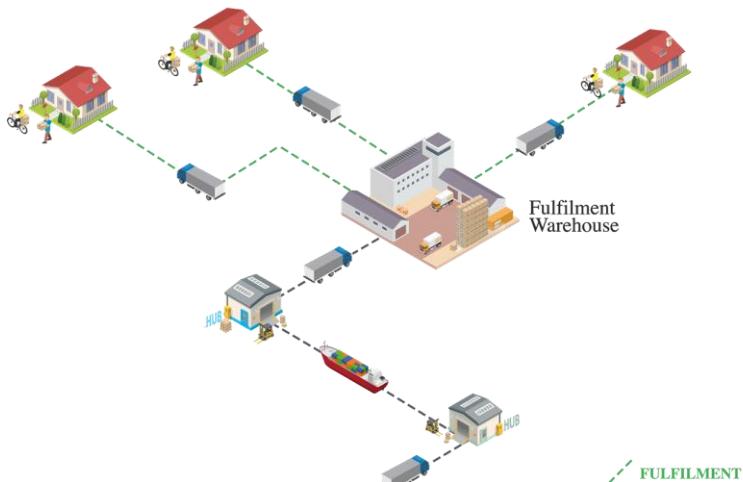
- No system in use
- 12 persons working 8 hours shift
- Daily operation handled **2496** boxes
- Each person handled **26** loading units per hour

After

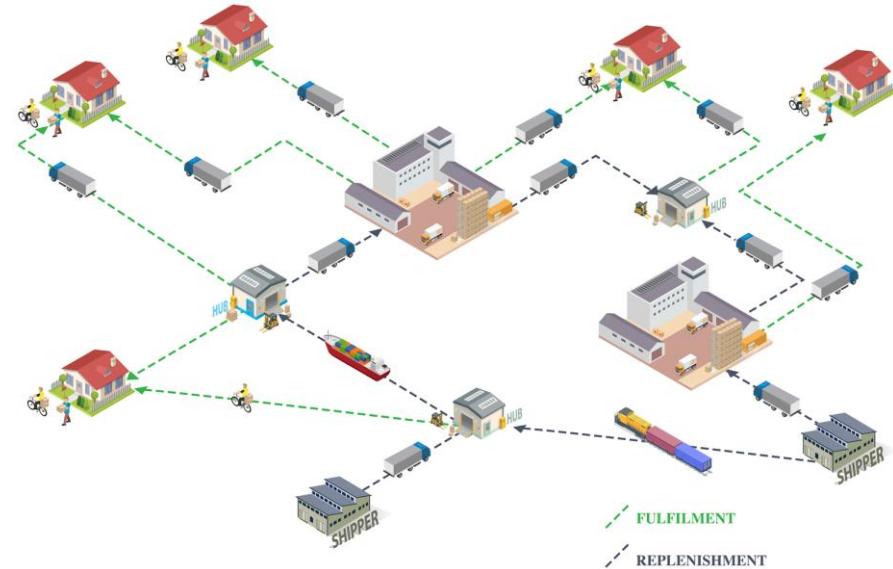
- Volume increased by almost 100%
- 12 persons working 8 hours shift
- Daily operation handled **5922** boxes
- Each person handles **63** loading units per hour

Fulfillment as a Service

Today - Fulfillment

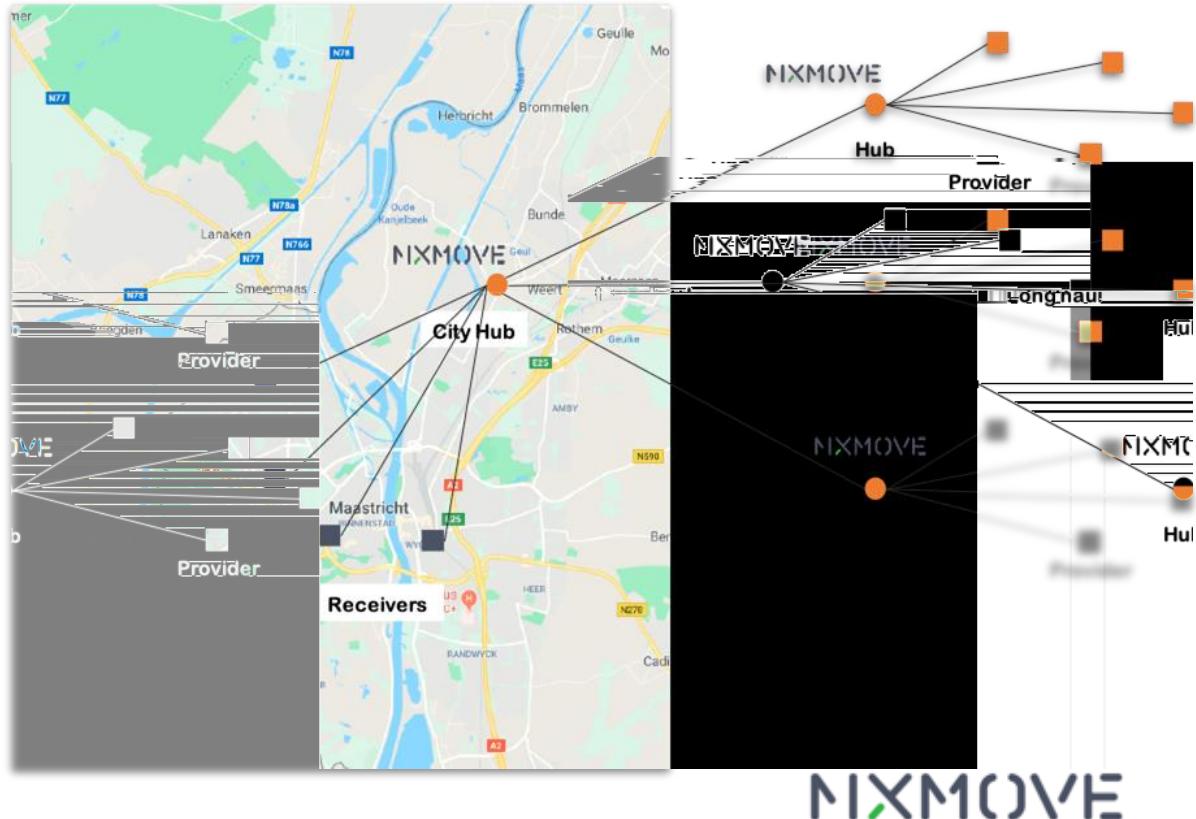


FAAS of tomorrow

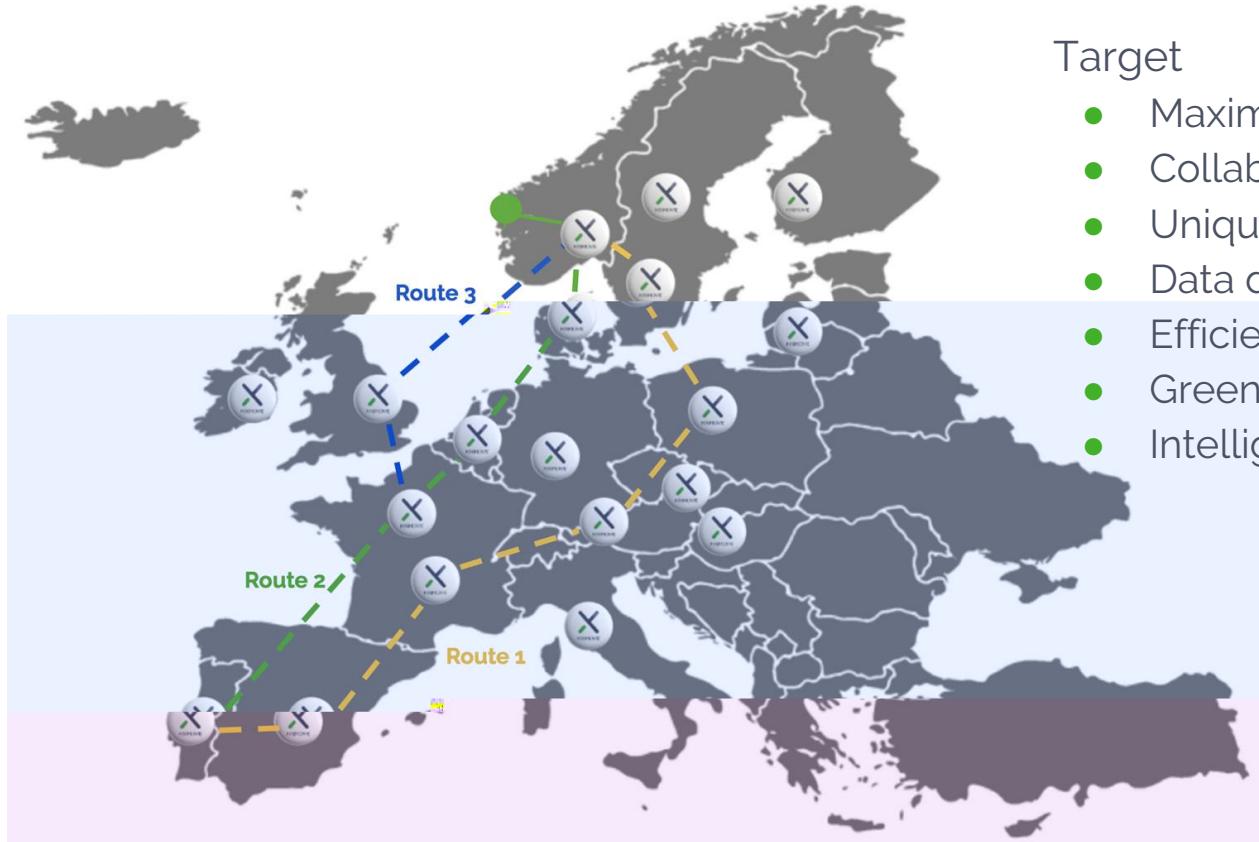


MIXMOVE Smart City Hub

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



“First Generation” Physical Internet



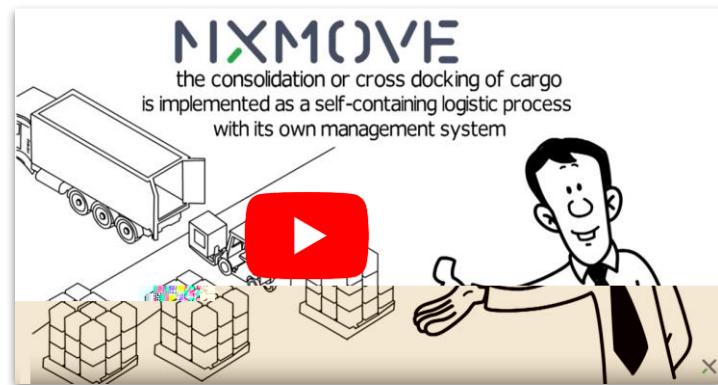
Target

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

Scalable cloud logistics solution

Unique capabilities to maximize utilization of freight transport

- Significant cost reduction
- Significant emission reduction
- Increased efficiency
- Digitize the logistics industry
- Digital supply networks
- Contribute to meet the climate target by using Artificial intelligence Big Data
- Range of upsell/add-on opportunities



What we do

Thanks for listening :)

Interested in a conversation about
our sustainable, effective solutions

Let's connect!



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