MXMOVE

Reduce emission - increase efficiency
Maximise utilisation of freight capacity
Data driven logistic, BIG DATA
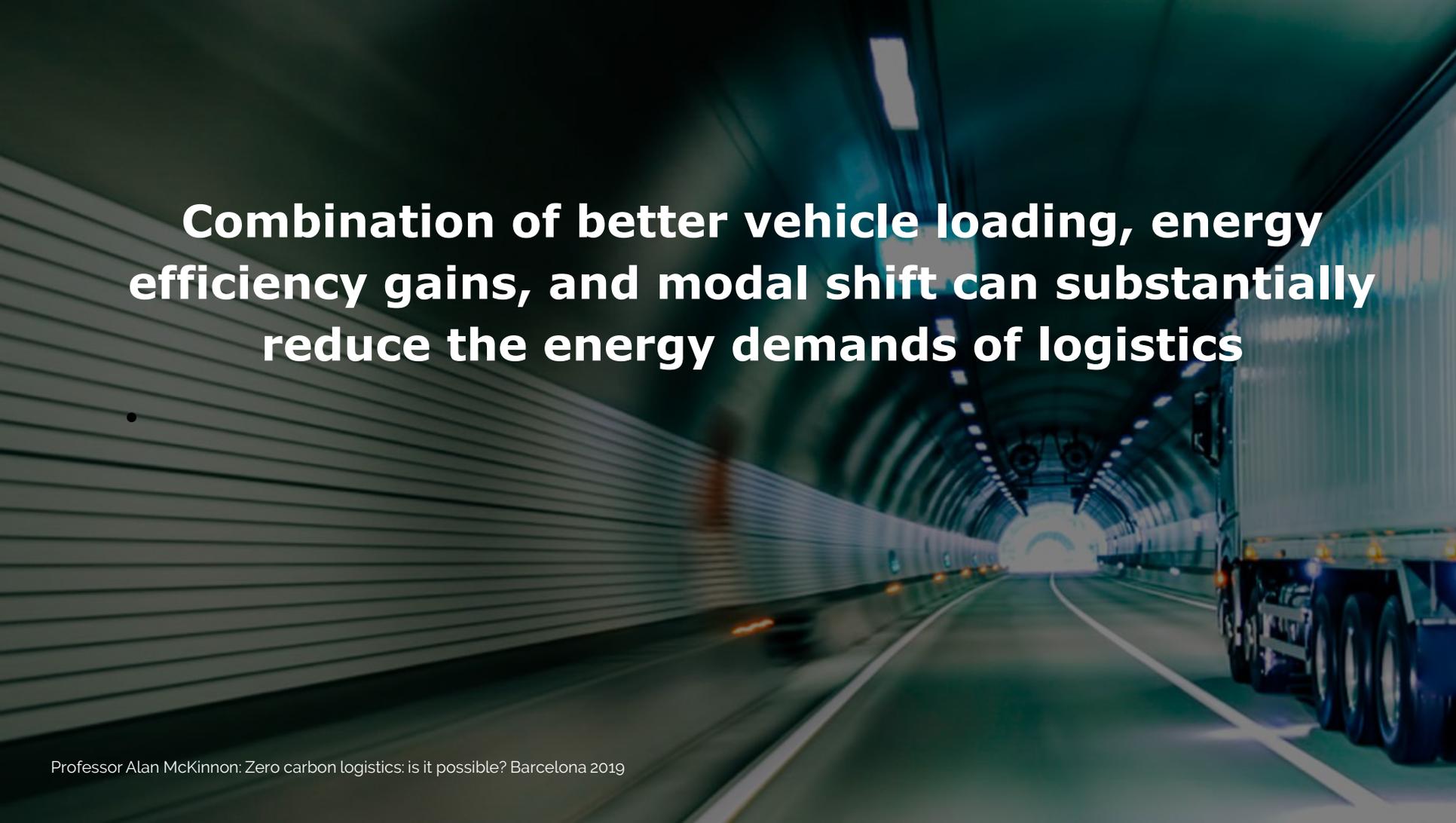
The goal is to reduce CO2 emissions globally by 50% by 2030 and eliminate them completely by 2050

Logistics: responsible 10-11% of global CO2 emissions

Professor Alan McKinnon: Zero carbon logistics: is it possible? Barcelona 2019

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

Professor Alan McKinnon: Zero carbon logistics: is it possible? Barcelona 2019

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

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Professor Alan McKinnon: Zero carbon logistics: is it possible? Barcelona 2019

3M outsourced the service but owned the process
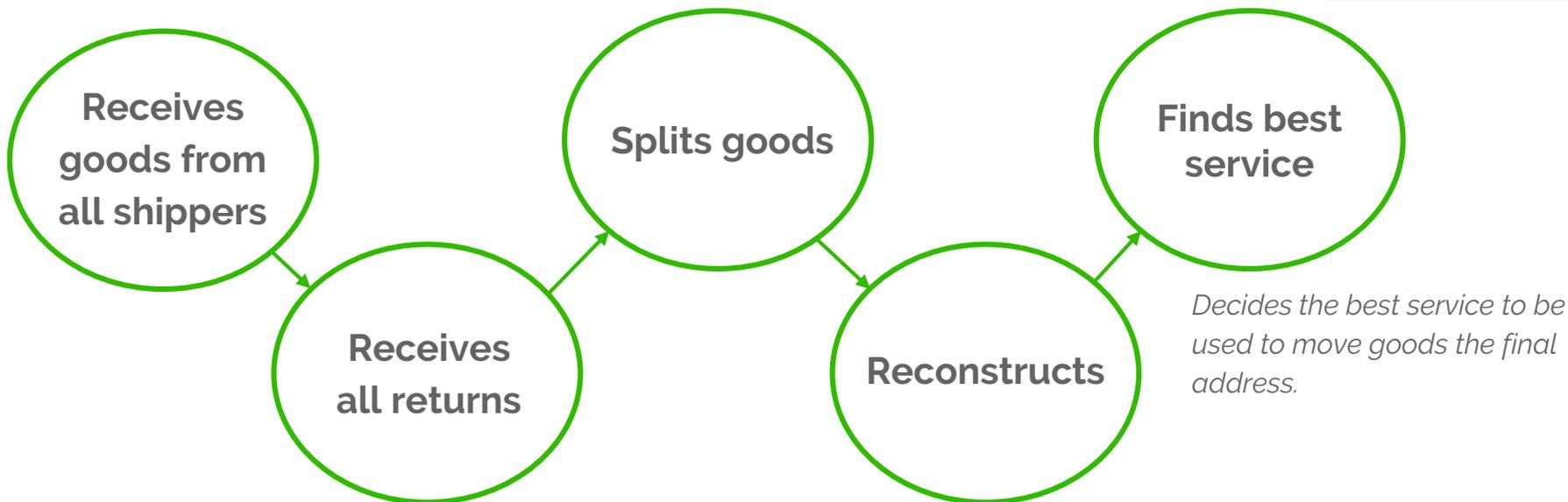
Increased Load Factors

- 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

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The Terminal/Hub is Key

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

Receives goods from all shippers

Receives all returns

Splits goods

Reconstructs

Finds best service

Decides the best service to be used to move goods the final address.

To maximise use of any vehicle or logistics unit

- ○ *Long hauls*
- ○ *Last mile*

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

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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
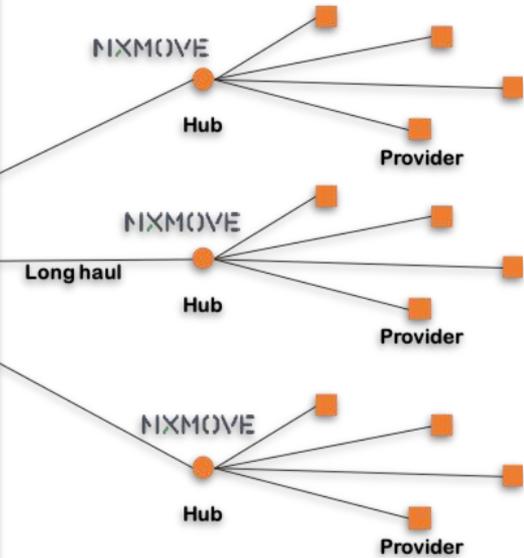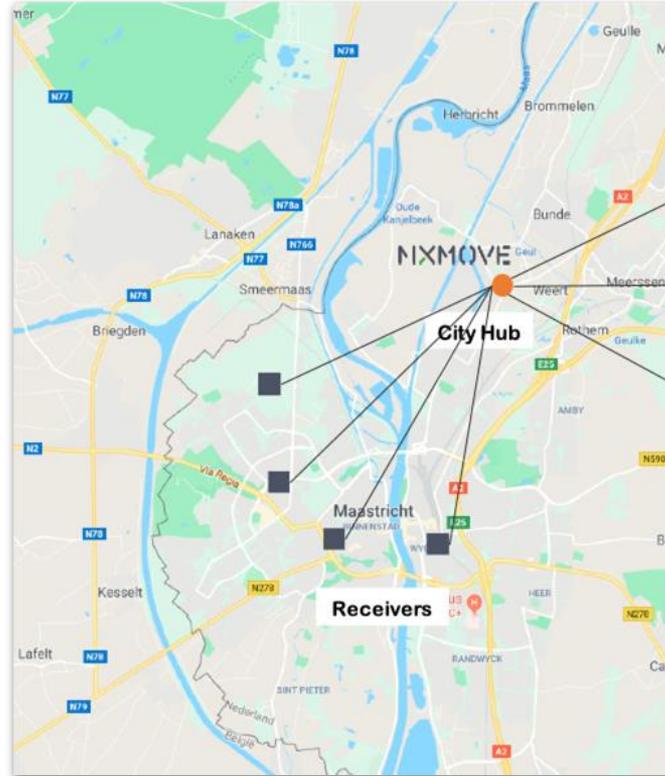- Each person handled **26** loading units per hour

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

Fulfilment Warehouse

HUB

HUB

- - - FULFILMENT

SHIPPER

SHIPPER

HUB

HUB

HUB

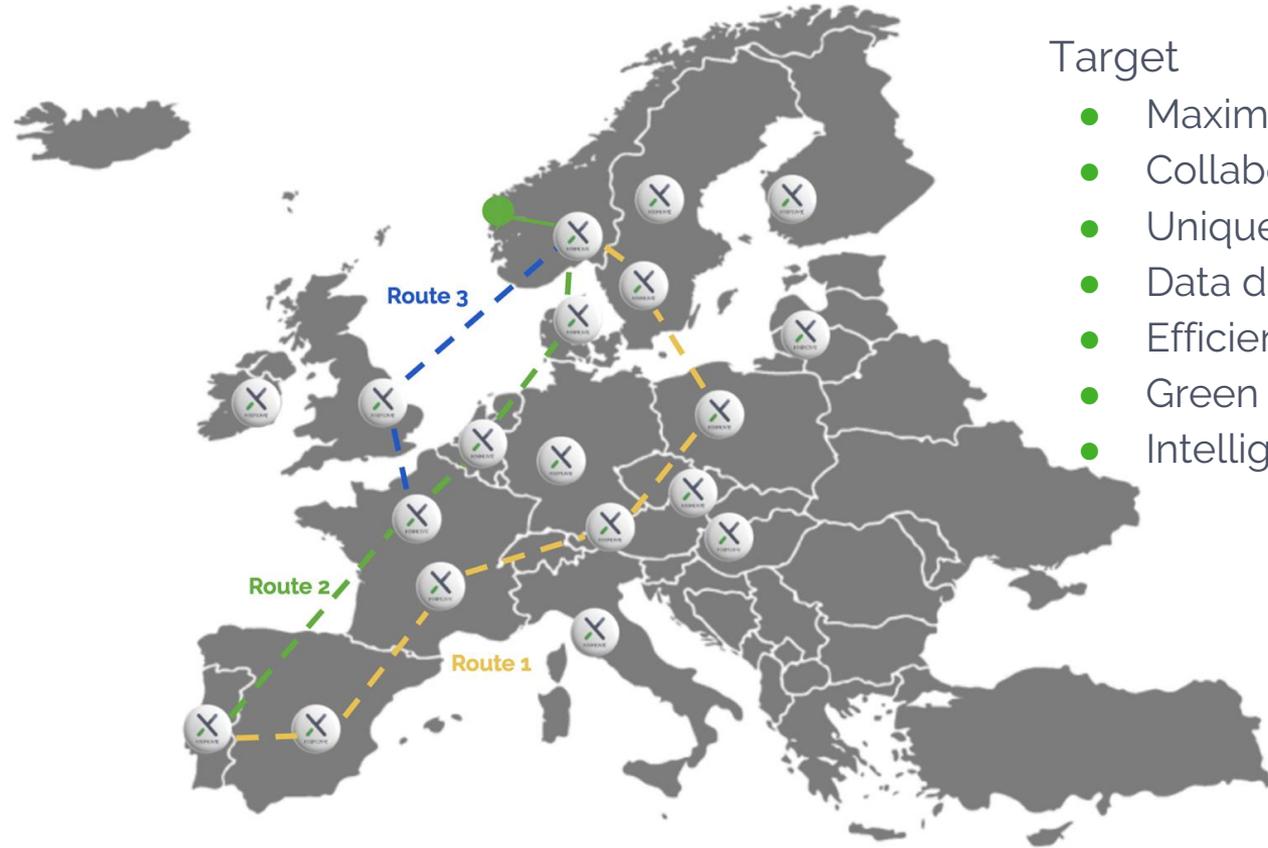- - - FULFILMENT

- - - REPLENISHMENT

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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
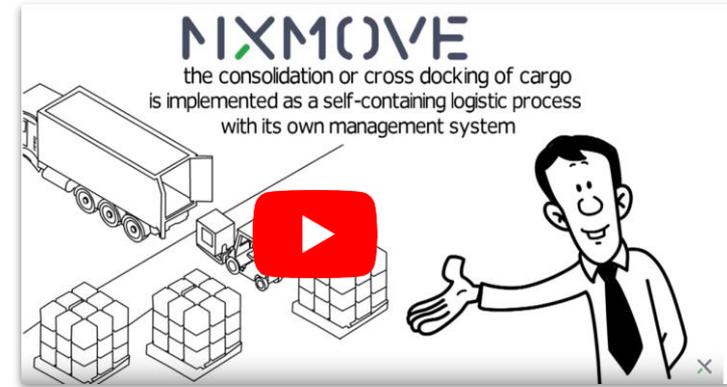

NIXMOVE

"First Generation" Physical Internet

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

Route 1
Route 2
Route 3

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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

NXMOVE

Thanks for listening :)

Interested in a conversation about
our sustainable, effective solutions

Let's connect!

Reduce emissions- increase efficiency