



# Creating a smooth transition to green and smart city logistics

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THE ECO2CITY TRIPLE X AND P

BIRGIT HENDRIKS - HITS WEBINAR 25-10-2023

# Experiences in the Netherlands

## Content:

- about change of logistics behavior
- Goederenhubs Nederland
- Triple X; actions for companies
- Triple P; actions for governments
- questions and suggestions



# Change of logistic behavior is needed

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Cities struggle with bad air quality, traffic unsafety, congestion, noise, energy loss and lack of space.....

Transition to smart and green logistics in cities asks for bundling of small volume flows via urban consolidation centers...

....and the use of cleaner trucks and vans, new IT, AI and all that you are inventing in the HITS project

This transition needs change of behavior of companies and governments



# Change of logistics behavior is hard work

People want to change in case the following conditions are met:

- the new solution needs to be safe en secure
- the new solution should not cause too much hassle
- there needs to be strong passionate leadership
- people need to feel a sense of urgency



# Goederenhubs Nederland

The company started in 2008 named

Binnenstadservice Nederland

(this is still the formal name of the company)

This groups of city logistic hubs is created

to smoothen the transition

to smart clean city logistics

## The Goederenhubs in NL



**The group today:**

- 16 Hubs serving 22 cities

**Our ambition** →

- 24 Hubs serving 40 cities



Ir G.W. Guis

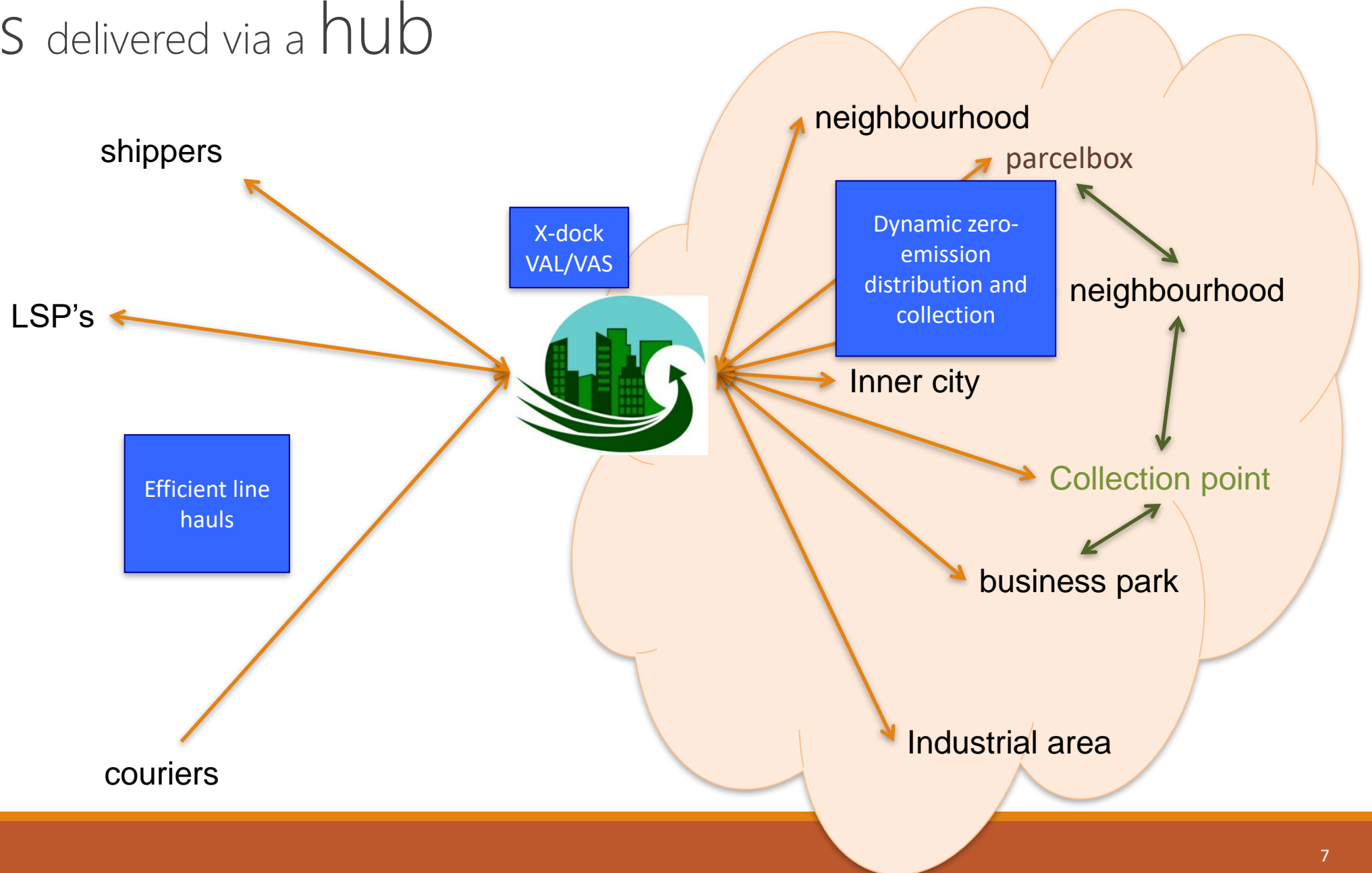


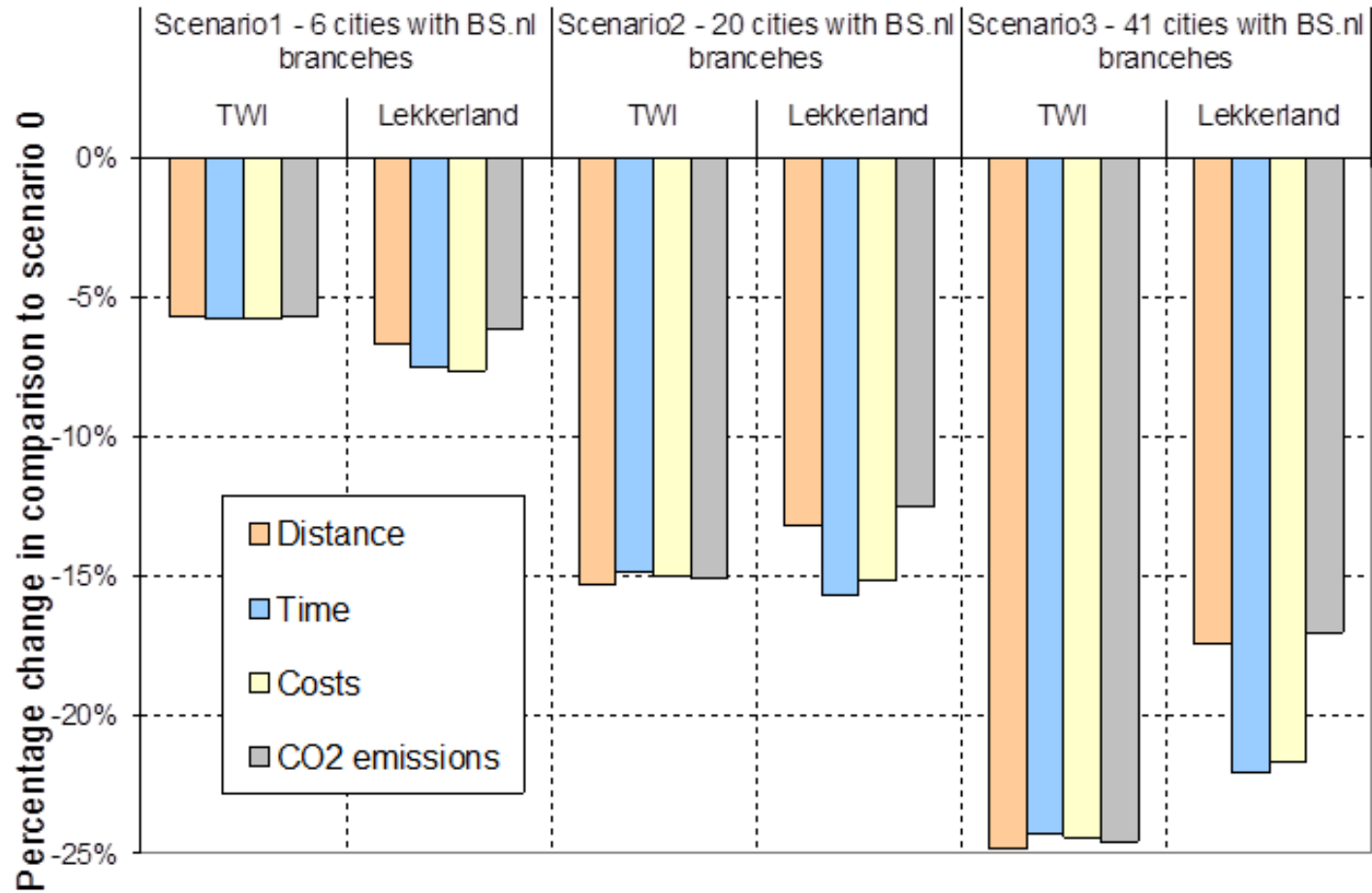
# Goederenhubs Nederland

Group of 'local hero  
hubs'



# Goods delivered via a hub





# Impact of Goederenhubs Nederland (TNO)





For smooth change,  
actions on the private  
side:  
Triple X

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The physical X-dock

## MixMove



## Cross Docking into the cities

- ✓ **Effective Single point of Integration with customers**  
 Single integration provides access to the full network  
 Full visibility across the network, including proof-of-delivery  
 Integrated Billing
- ✓ **Consolidate Flows into cities**  
 High Fill Rates  
 Cost Optimized  
 Resilient Operation
- ✓ **Improve upstream value proposition**  
 Creating an integrated network with the all the hubs. Synergies are fully exploited to deliver the best value for your clients.

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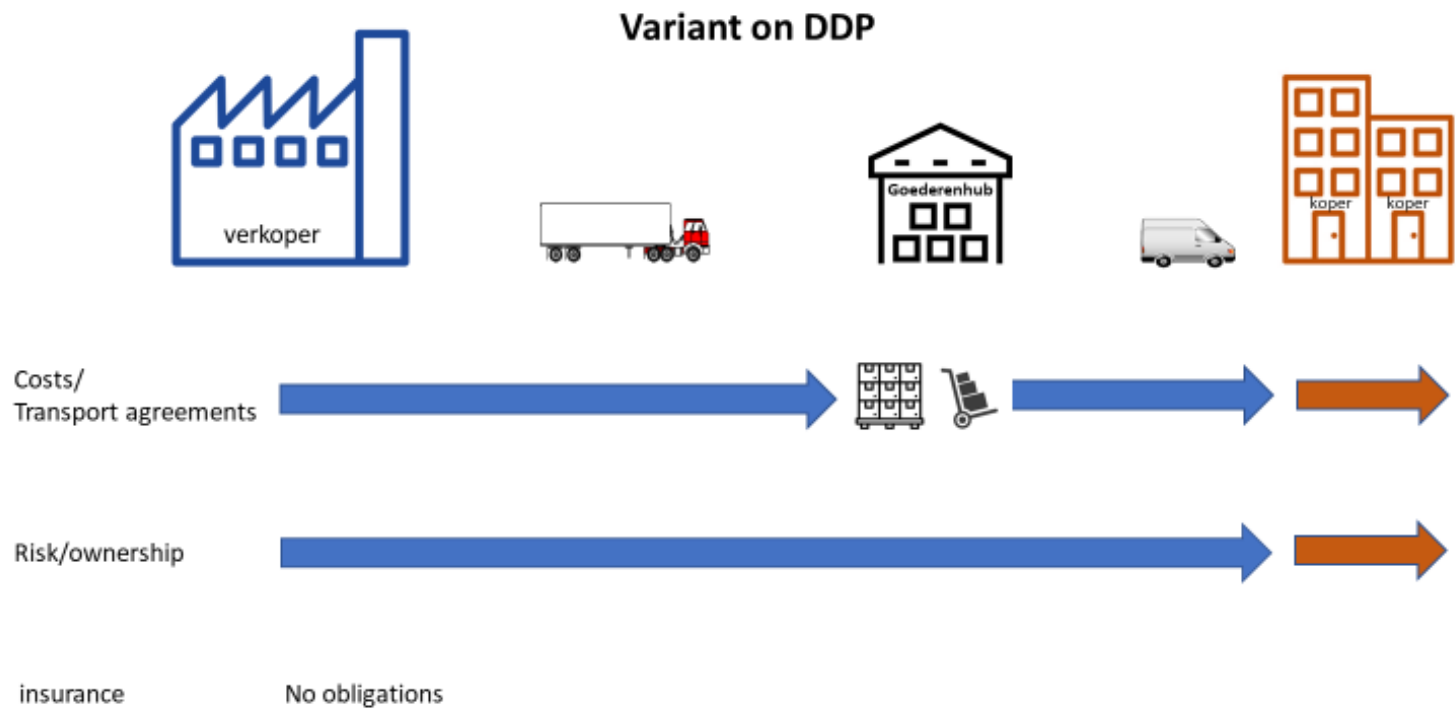
# The virtual X-dock

## Increase sales and save costs + CO2 emission with DeliveryMatch the most smart Logistic Software

| OTMS   | Real-time Order Management   | Real-time Transport Management  | Real-time Shipping Management  | Additional USPs  |
|--|--|---|--|--|
| <ul style="list-style-type: none"> <li>Order</li> <li>Transport</li> <li>Shipping</li> <li>Management</li> <li>Software</li> </ul> <p>Supporting</p> <ul style="list-style-type: none"> <li>✓ B2B</li> <li>✓ B2C</li> <li>✓ B2E</li> <li>✓ B2G</li> <li>✓ B2C</li> <li>✓ B2B</li> <li>✓ B2C</li> </ul> | <ul style="list-style-type: none"> <li>100+ Shipping, ERP &amp; CRM connections</li> <li>Order entry</li> <li>Order forwarding</li> <li>Routing</li> <li>Tracing</li> <li>API up</li> <li>Consolidation</li> <li>Warehouse capacity management</li> <li>Fulfilment cost calculation</li> <li>Exception management</li> </ul> | <ul style="list-style-type: none"> <li>100+ Carrier connections</li> <li>Automated carrier/vehicle selection</li> <li>Transport cost calculation</li> <li>Buy-48h</li> <li>CO2 emission calculation</li> <li>Pick-up capacity management</li> <li>Trailer slot management</li> <li>Last-Mile capacity management</li> <li>Multi-Leg processing</li> </ul> | <ul style="list-style-type: none"> <li>100+ Carrier connections</li> <li>Package calculation</li> <li>Master carton consolidation</li> <li>Booking of shipments</li> <li>Shipping label</li> <li>Commercial invoice</li> <li>DMF</li> <li>Delivery notes</li> <li>Returns note</li> <li>Dangerous goods data</li> <li>Loading list</li> <li>Manifest</li> <li>Loading scan</li> <li>Status updates</li> <li>Event logging</li> </ul> | <ul style="list-style-type: none"> <li>Real-time delivery options &amp; costs in website checked</li> <li>Real-time chain control management</li> <li>Workload balancing</li> <li>Branded customer communication</li> <li>Network management</li> <li>Data reporting</li> <li>Data dashboard</li> <li>Data tracking</li> <li>Master control</li> </ul> |



Check our website [www.deliverymatch.eu/en](http://www.deliverymatch.eu/en)



New contracts  
between seller  
and buyer

Financial  
X-dock

2022/Eco2city/Birgit Hendriks



For smooth change,  
actions on the  
public side:  
Triple P

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# The first P: Policy on zero emission and efficient logistics

- Regulate emission zones
- Time line towards zero emission logistics in the city: 2025? 2030?
- Promote energy neutral solutions
- regulate noiselevels
- Regulate size of trucks for traffic safety
- In other words: create the sense of urgency!





The second P:

Procurement of  
bundled zero  
emission transport  
of public supplies



# Buying green!

A handbook on green public procurement  
2nd Edition



# The third P: Promote the good solutions

- Governments can promote the solution while maintaining the level playing field that is needed to balance interests;
- The alderman or minister can play her/his symbolic role: opening act, presentation at conference;
- The local government can use social media to seek publicity for the solution
- In other words: be the strong leader







In case the triple X and P are met, the result will be:

fully loaded trucks on the highway, efficient clean logistics in the city

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# Thank you for your attention

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I hope I've inspired you with our passion for smart, zero - and fossil free city logistics

More questions? [birgit.hendriks@eco2city.nl](mailto:birgit.hendriks@eco2city.nl)

