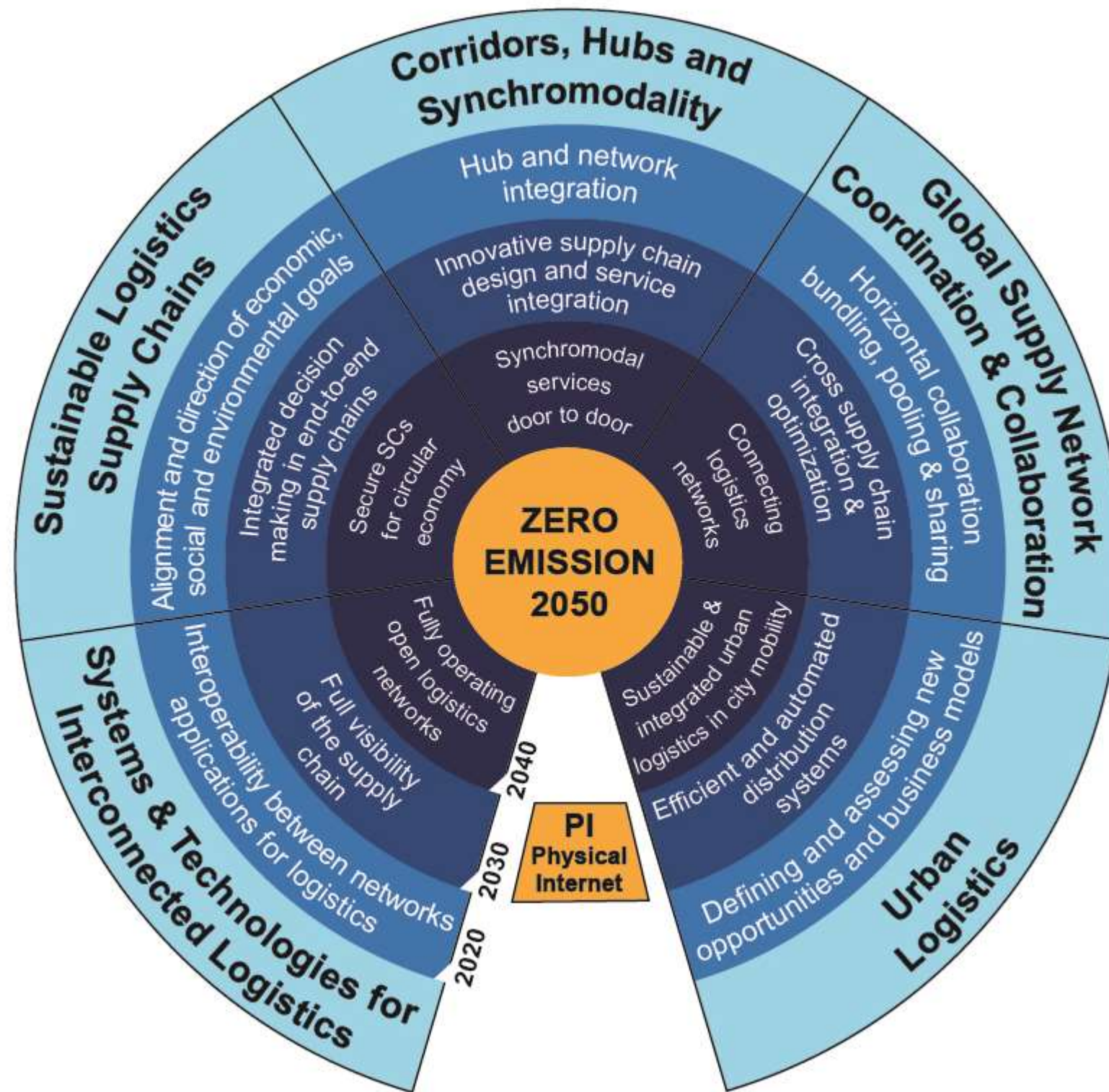




Cities & Industry Dialogue Group presentation

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Fernando Liesa, ALICE



ALICE VISION is to realize Physical Internet by 2030 to pave the way to Zero Emissions by 2050

Zero Emissions Urban Freight in main European Cities by 2030

Physical Internet concepts bring efficiency and sustainability to Logistics. It cannot fully solve the **Decarbonization Challenge**, but it will make it less onerous to meet.

And can deliver results in the critical next 10 years

Cities, regions & industry involved

Large Cities		Medium / Small Cities		Regions
<ul style="list-style-type: none"> • Amsterdam • Brussels Mobility • Budapest (BKK) • Dresden • Dublin • Gothenburg 	<ul style="list-style-type: none"> • Lisbon • London (TfL) • Madrid • Paris • Rome • Rotterdam 	<ul style="list-style-type: none"> • Bilbao • Ghent • Groningen • La Rochelle • Leuven 	<ul style="list-style-type: none"> • Liège (Groupement de Redéploiement Economique) • Helmond • Southampton 	<ul style="list-style-type: none"> • Arnhem Nijmegen City Region • Flanders MOW • Ile-de-France • Manchester (TfGM) • Province of Noord-Brabant

Type of Company	Members			
Shippers & Retail				
Logistics Service Providers, Courier and Postal Operators & Freight Forwarders				
Real Estate				
Vehicle Manufacturers				
ICT & Technology				



Vision and Objective

Vision: Lead transformation in cities so urban freight and logistics is proactively responding to the pollution, congestion, safety and environmental challenges.

Objective: Ensure a strong strategic industry & cities dialogue to share practices and facilitate collaboration models between cities and industry to prioritize topics and accelerate deployment of solutions towards sustainable zero emissions urban freight and city logistics

Collaboration, Courage and Data

Solutions areas & interventions



Smart Governance & Regulations

- Safety and Sustainability Urban Logistics Plans and emission reduction targets
- Rewarding, recognition, incentives and subsidies schemes
- Access Regulations Low Emission Zones
- Enforcement & Trust
- Stakeholders collaboration



Clean & alternative fleet

- New business models for take up of low emissions vehicles
- Procurement of zero-emission goods & services
- e-charging infrastructure
- Energy mix
- Transport modes are smartly used and combined



Urban freight & logistics operations

- Stop double parking
- Redefinition of delivery/logistics spaces
- Micro-hubs & consolidation strategies
- Decoupling transport and delivery
- Off peak deliveries □ low noise operations
- Space management: Multi-use lanes, smart L/U bays, geofencing and sensors
- Retail offering



Purpose oriented data acquisition

- Better understand urban freight
- Information based policies and decision making



People engagement

- Consumer behaviours
- Workers skills and safety



Logistics operations and space management with ZEZ

From a logistic provider perspective



- Costs of fleet renewal



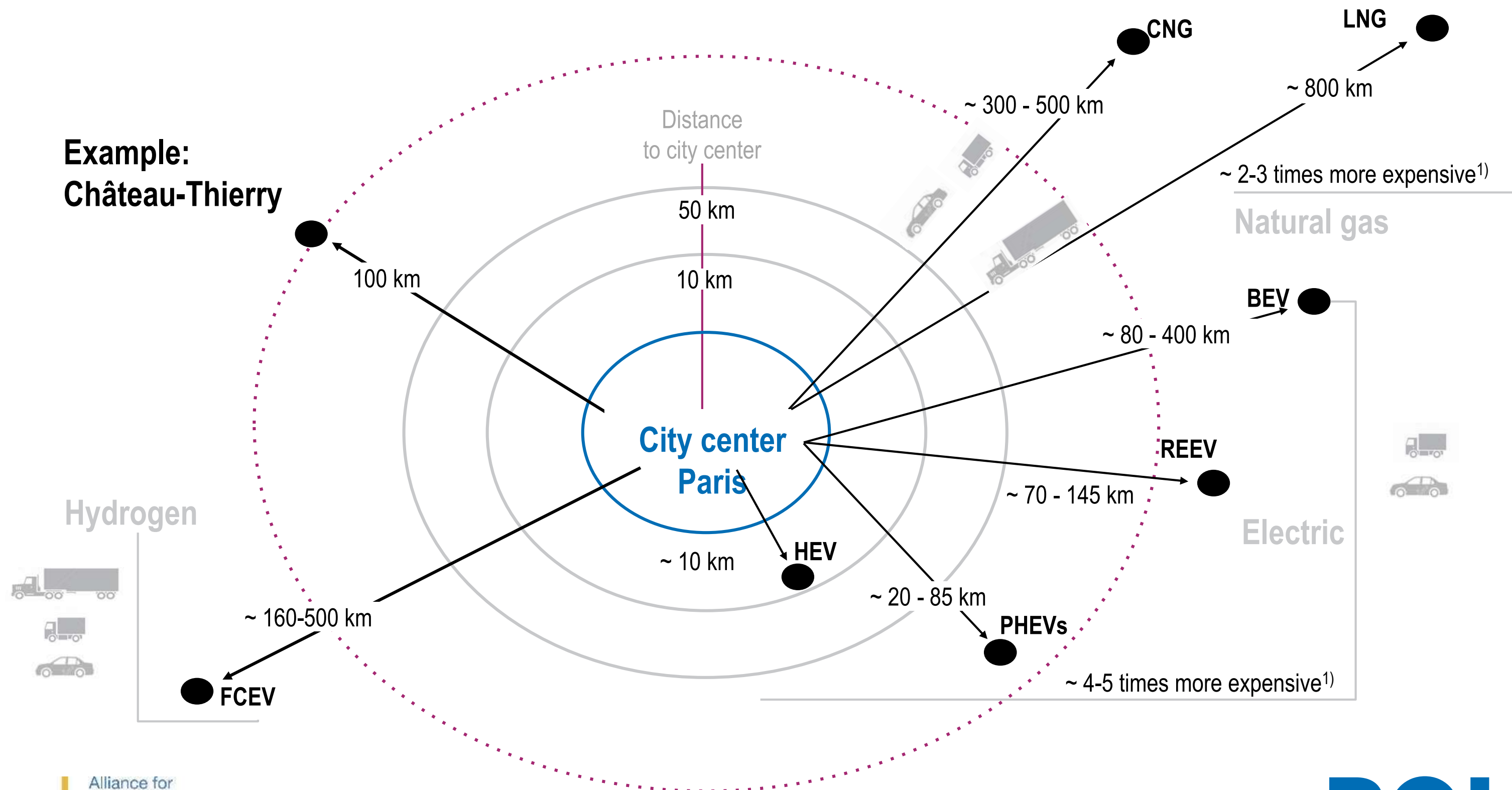
- Operation constraints



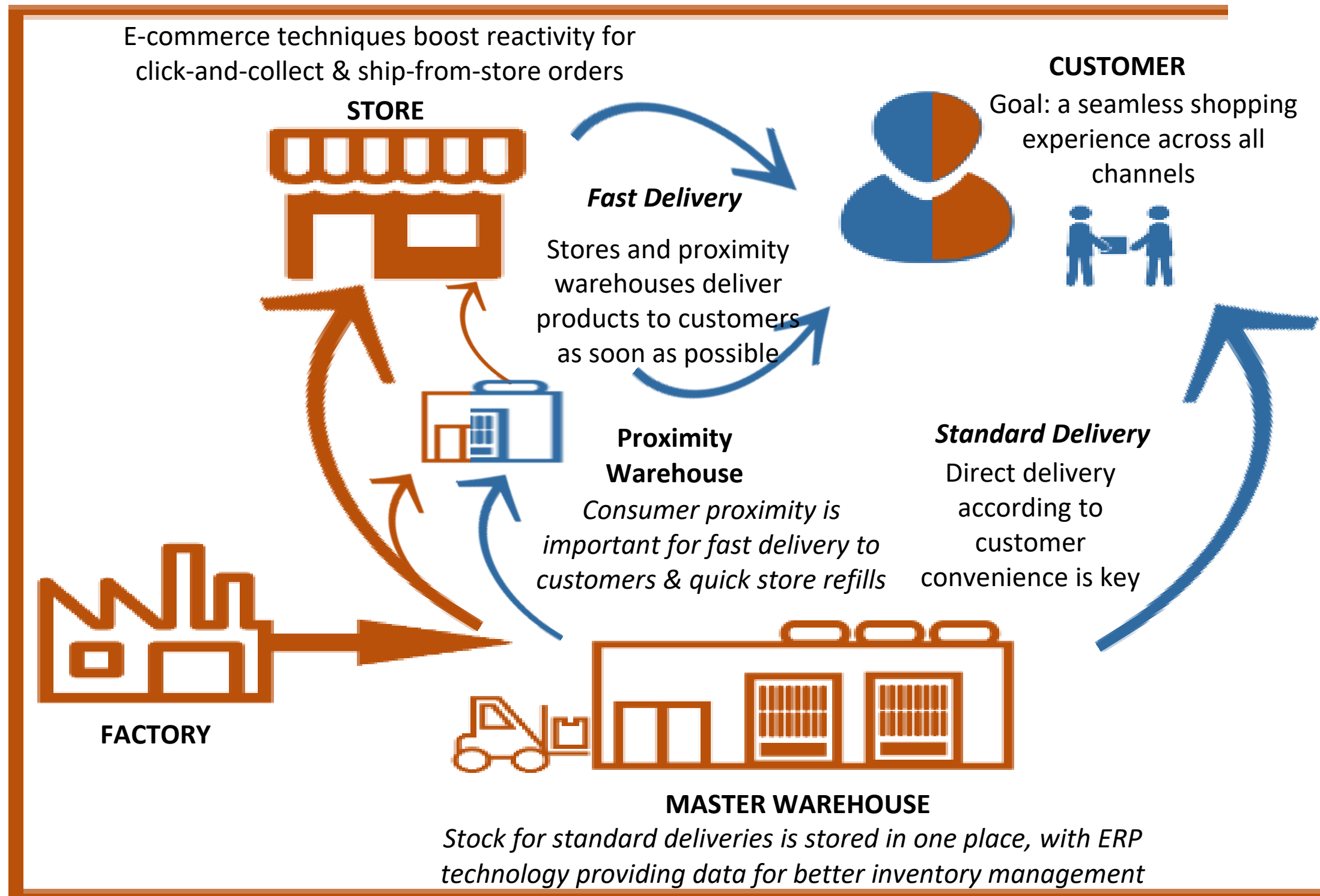
- Less routing optimization

How to make ZEZ irresistible for companies?

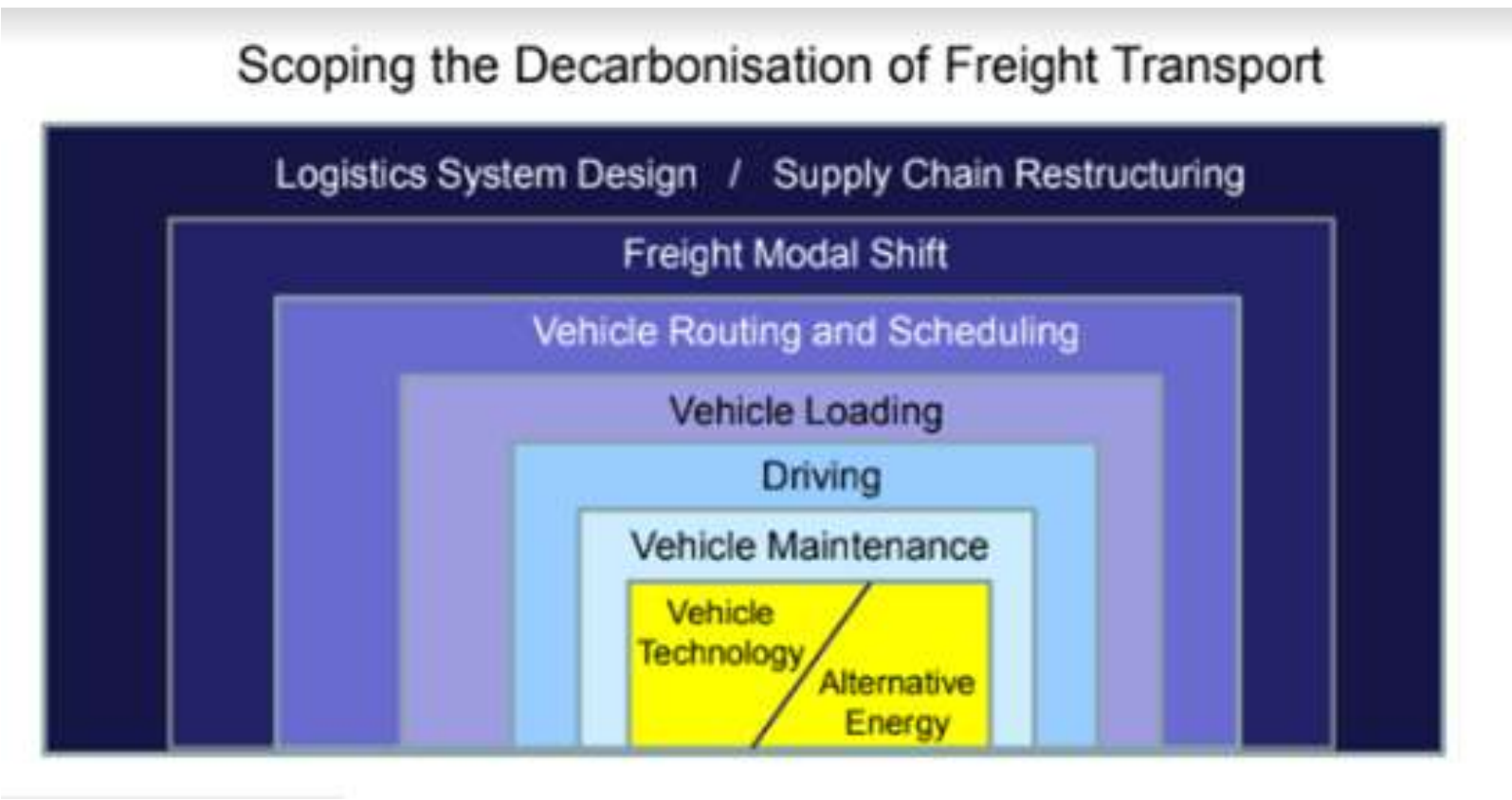
ZE vehicles: costs, autonomy and performance



Urban platforms closer from the cities



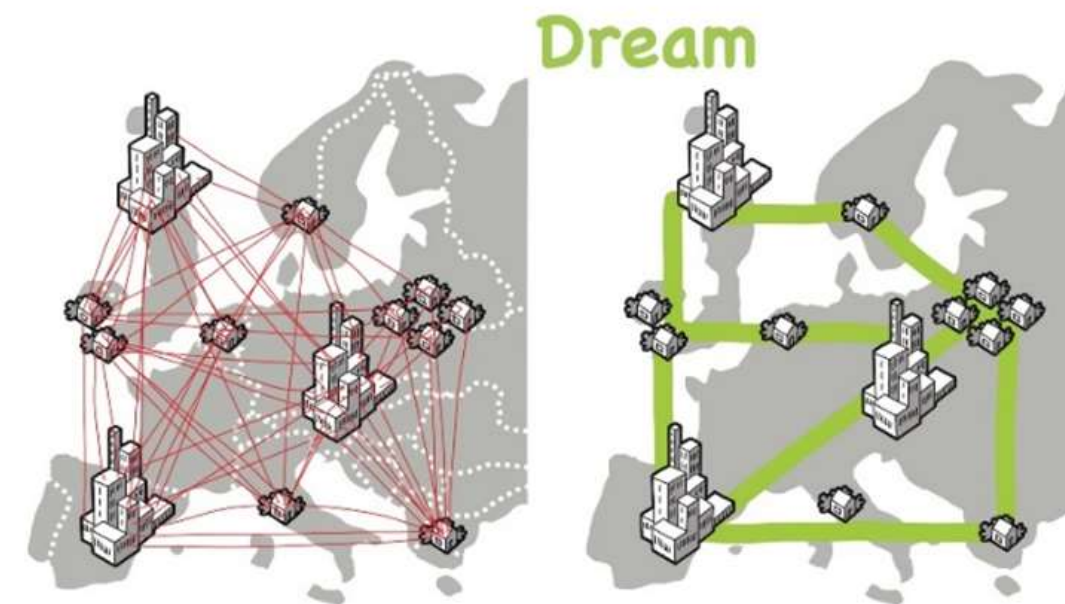
New forms of cooperation to enable logistics system restructuring



Source: Alan McKinnon, dcarbonizing logistics



Example of Proximus / L'Oréal





Questions to launch the discussion

Focus on issues identification:

- What are the main constraints of ZEZ in the perspective of logistics provider or any companies dealing with freight?

Focus on problem solving:

- What solutions do you know / see to solve the costs, autonomy and performance issue of ZE vehicles?
- What solutions do you know / see to get urban platforms closer?
- What solutions / example of innovative collaboration to restructure the logistics flows?