

ASSURED WORKSHOP

BREYTNER Zero Emissie Transport



OUR BREYTNER ENERGY

How we roll...



Thinking in possibilities



Rotterdam cooperation with the city



Core Business focus



Thought Leadership

BREYTNER

ZERO EMISSION TRANSPORT



ERKENDE
VERHUIZERS



VERHUIZINGEN • REMOVALS
DÉMÉNAGEMENTS • UMZÜGE



MONDIAL MOVERS
R. VLOT & ZN

www.rvlot.nl

100% elektrisch
BREYTNER.COM

BREYTNER

ZERO EMISSION TRANSPORT



Transport Service
Schelluinen

MEUBELDISTRIBUTIE

www.tssbv.info
B2C Logistics

elektrisch, 100% schoon!

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ZERO EMISSION TRANSPORT



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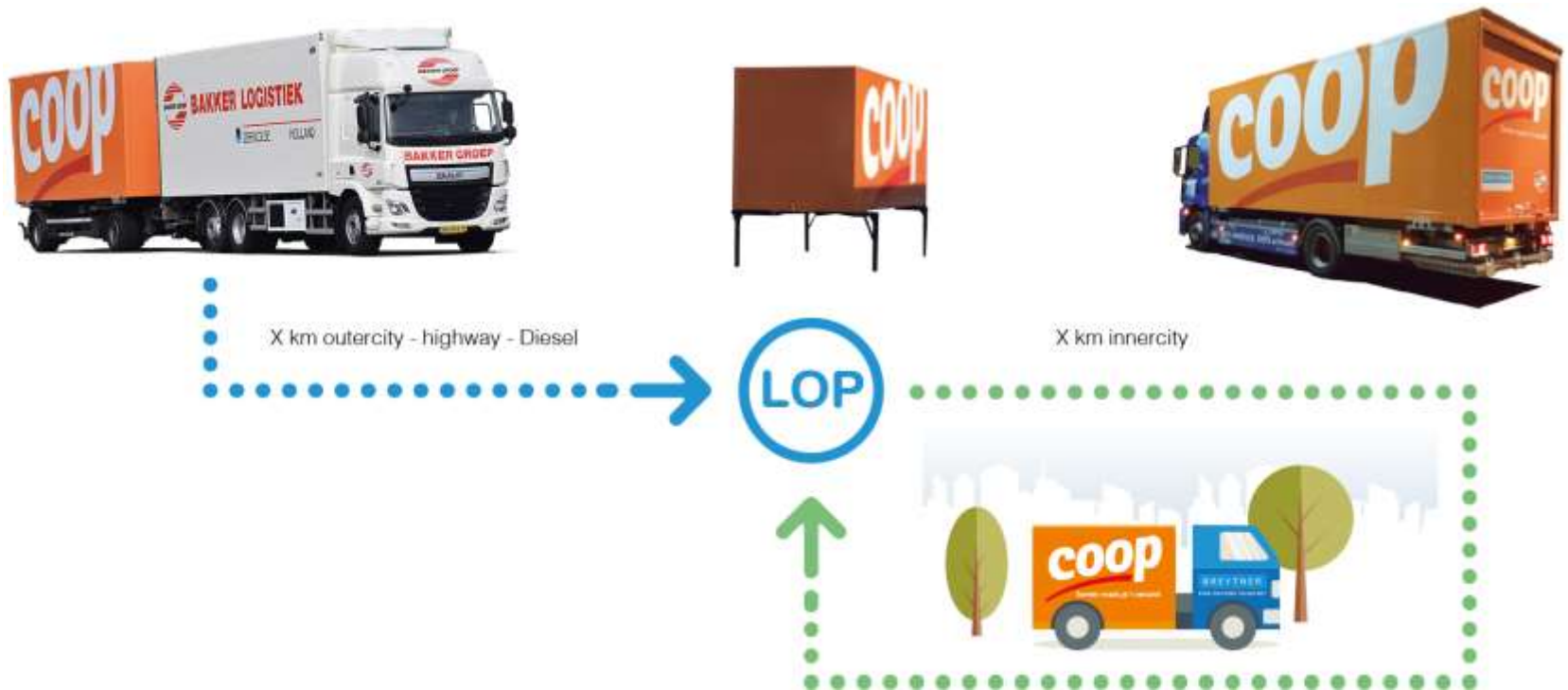


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100% elektrisch, 100% schoon!
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Split up first / Last mile



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Charging infrastructure

- Leading for investment in trucks
- Logistical process is bases for charging solutions
- Multi-drop / FTL's / LTL's

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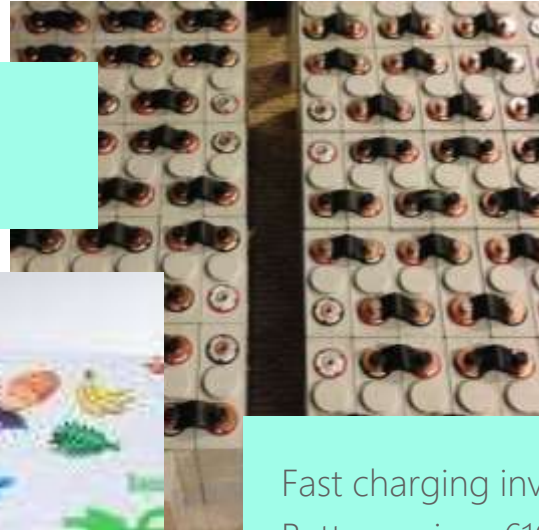
- Over night – 63 Amp – 44Kwh on board chargers
- Batteries or charging

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Batteries versus fast charging

Battery prices €1000 per KWh
Max range (2015) 200-km 200 KWh



Fast charging investment 100k

Battery prices €1000 per KWh

- Special chemistry
- Double investment? Life cycle batteries
- Donkey proof
- Size of fleet
- Flexibility on/of board charging

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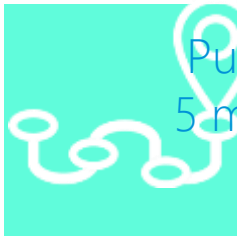
Zuidplein Rotterdam
Metro /Bus / Tram – Grid is in place

A photograph of the Zuidplein shopping center in Rotterdam. The building is a modern, multi-story structure with a central glass-fronted section and concrete wings on either side. The central section features large advertisements for 'zuidplein WINKELCENTRUM', 'SATURN', 'BURGER KING', and 'McDonald's BIG MAC'. The foreground shows a wide, paved road with white lane markings and a few vehicles, including a white van. The sky is clear and blue.

Case Zuidplein (Rotterdam)

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Public transport
5 min hop on/off

Depot based
combination with
passenger cars
charging

Government long term
commitment in tenders



Shopping centre
retail deliveries

Fear of sharing

“Can freight trucks use the fast charge infrastructure of Public Transport ?”

Freight distribution
unloading / loading
5 min – 1 hour+

5 min x 10 times a day =
1 hour delay in delivery
not covered



B2B / B2C

Trucks need to charge
where the truck stops to
unload or load

Development of charging infrastructure

- Prices of batteries are dropping
- Adoption of charging stations
- Development of hydrogen
- Consolidation of flow of goods- more deliveries on 1 stop -> designated unloading bay with infrastructure



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[BREYTNER Zero Emission Transport](https://www.linkedin.com/company/BREYTNER%20Zero%20Emission%20Transport)



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Please feel free to contact us if you have any questions

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