



# #AgoraStadtgespräch Essen

Amsterdam  
electric



Florian Lipowski – Head City Logistics

10 september 2026



# Strategischer Ansatz

- Normative Ziele (Was für eine Stadt wollen wir sein?)



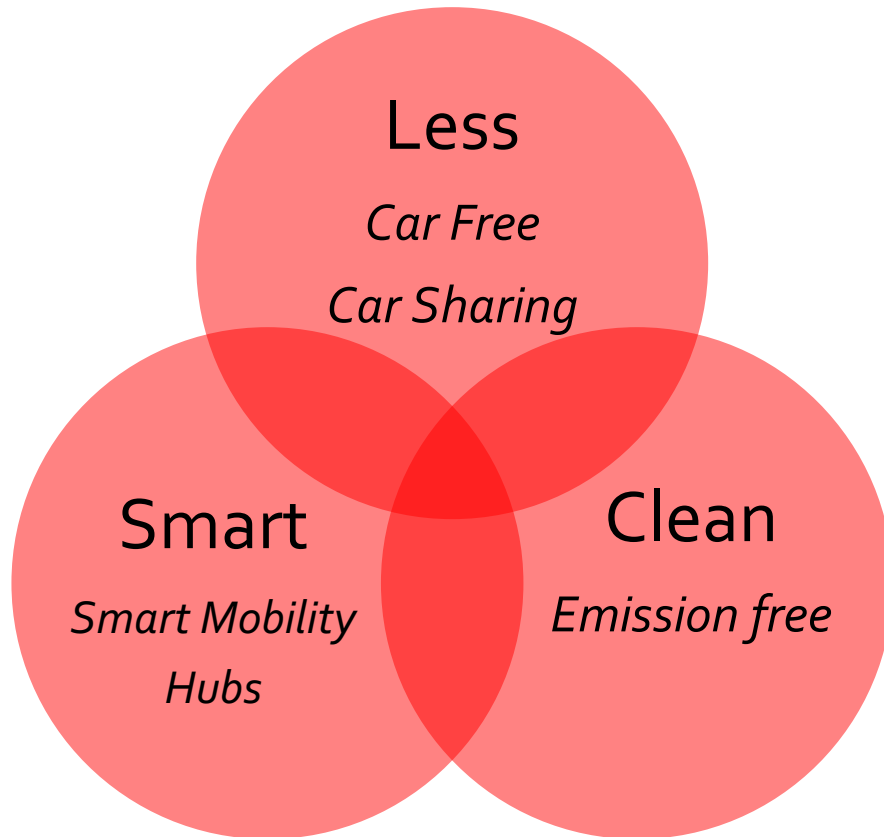
- “Amsterdam maakt ruimte” (Was folgt für die Raumplanung?)
- Mobilitätsstrategie (Was folgt für die Mobilität?)
- “Agenda Amsterdam Autoluw” (Operationalisierung/Umsetzung)

**Vision -> Raum -> Mobilität -> Umsetzung**



# Trias Mobilica

Not only emission free





# Clean Air for a sustainable Amsterdam

For citizens, visitors and entrepreneurs

- Air pollution in Amsterdam equaled 6 (now 4.4) cigarettes a day
- Shortens life of the average Amsterdam citizen by 12 (now 11) months and has impact on (unborn) children



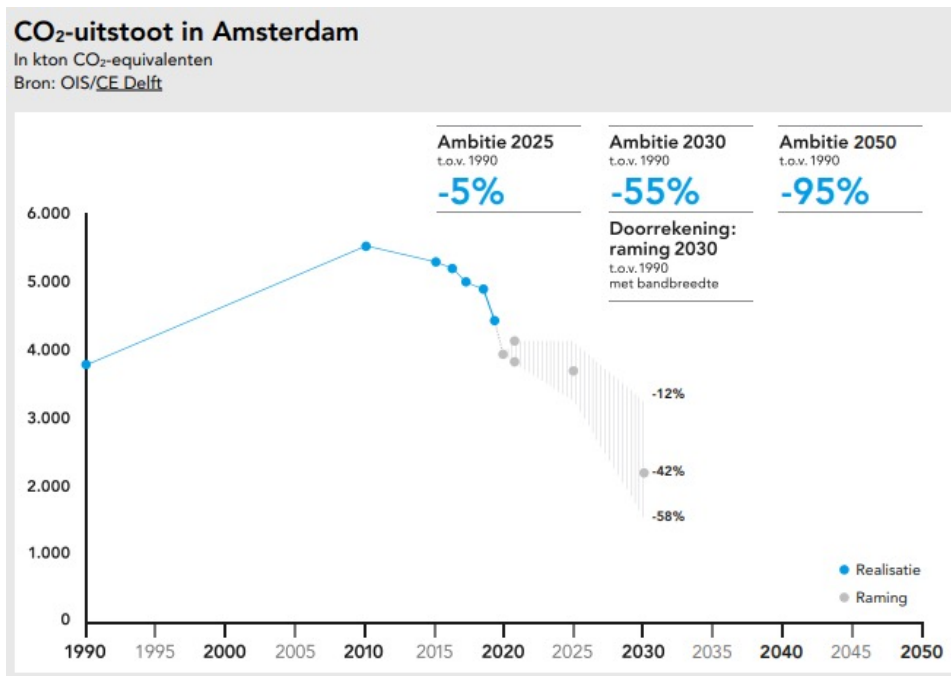
# Targets air quality in Amsterdam

| Substance       | Calculated yearly average Amsterdam 2021 | Current EU Legal restriction | 2005 WHO norm        | European Committee (2030) | 2021 WHO Norm (2035) |
|-----------------|------------------------------------------|------------------------------|----------------------|---------------------------|----------------------|
| PM 2.5          | 10,3 µg/m <sup>3</sup>                   | 25 µg/m <sup>3</sup>         | 10 µg/m <sup>3</sup> | 10 µg/m <sup>3</sup>      | 5 µg/m <sup>3</sup>  |
| PM 10           | 18,5 µg/m <sup>3</sup>                   | 40 µg/m <sup>3</sup>         | 20 µg/m <sup>3</sup> | 10 µg/m <sup>3</sup>      | 15 µg/m <sup>3</sup> |
| NO <sub>2</sub> | 21,4 µg/m <sup>3</sup>                   | 40 µg/m <sup>3</sup>         | 40 µg/m <sup>3</sup> | 20 µg/m <sup>3</sup>      | 10 µg/m <sup>3</sup> |

Measurements in 2021 can be lower due to less traffic in Corona times.



# CO<sub>2</sub> emission in Amsterdam



*When all mobility in Amsterdam is emission-free, we reduce 18% of all Amsterdam CO<sub>2</sub> emission.*

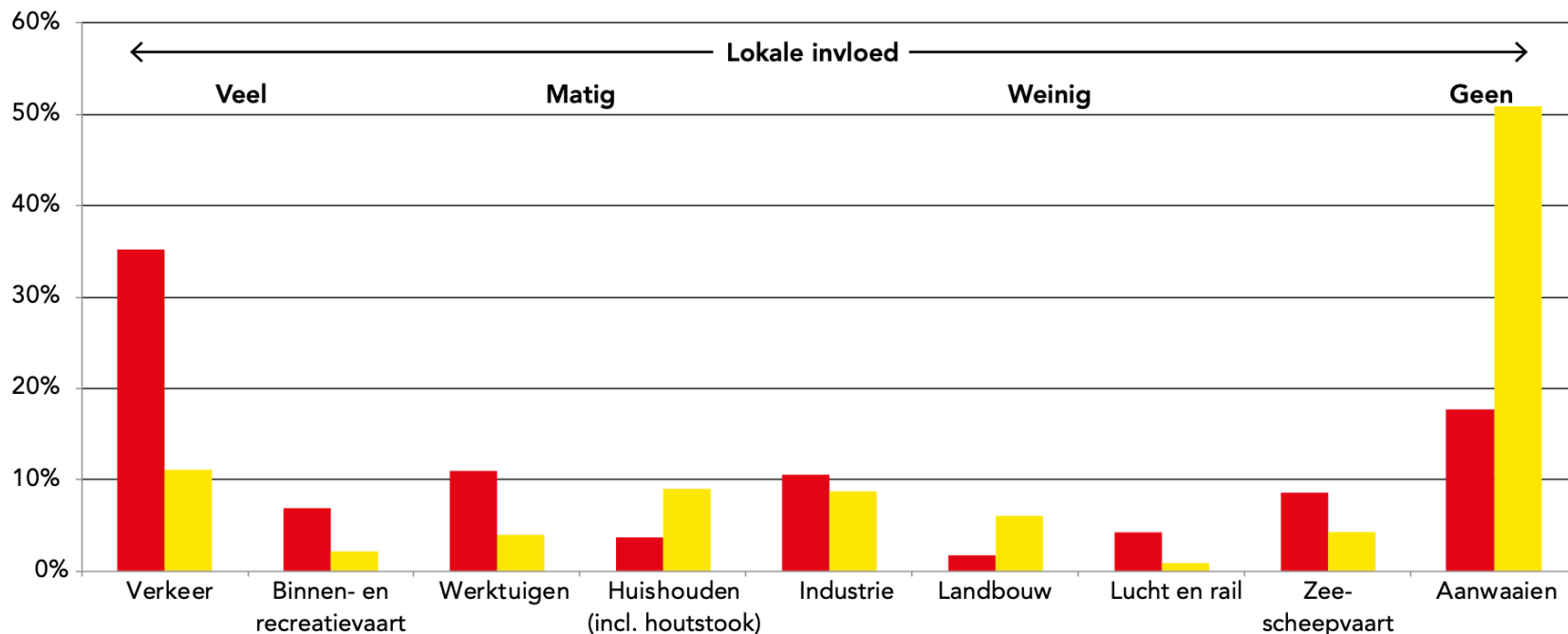


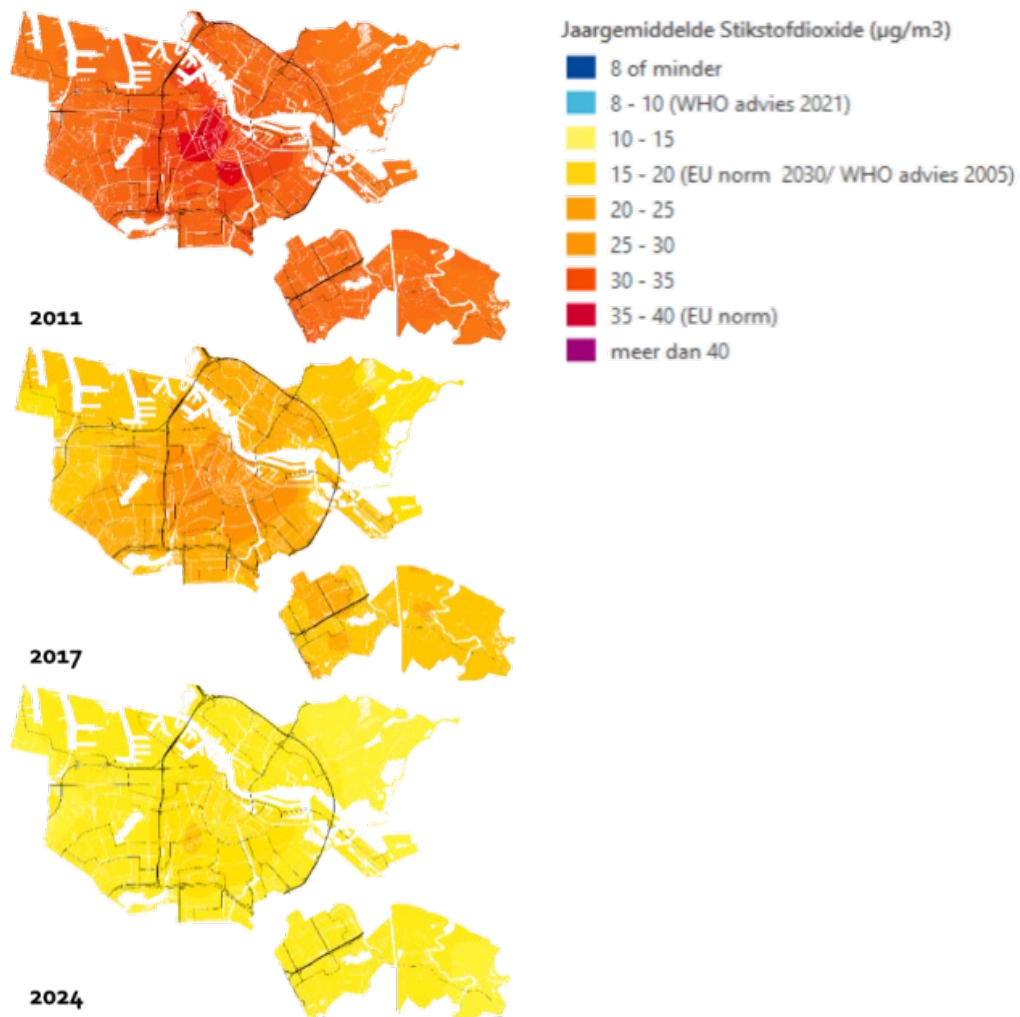
# Where to start

## And what can we control

Concentratie in de lucht Amsterdam naar sector van herkomst (bron: RIVM, 2016))

■ stikstofdioxide ■ fijnstof







# Vision Emission Free mobility

## Action Plan Clean Air 2019

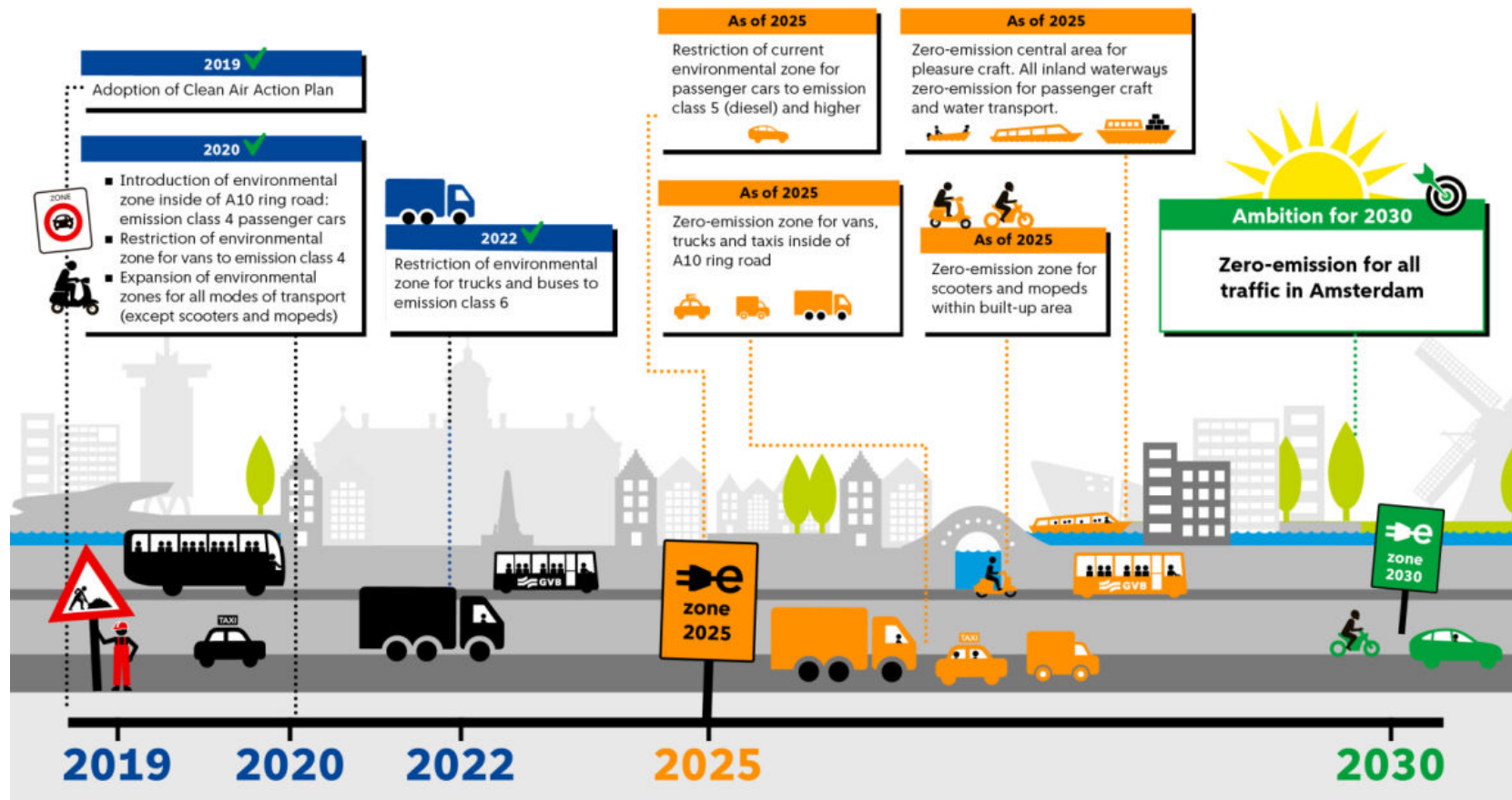
Aim:

- § Clean air for citizens, visitors and entrepreneurs in Amsterdam. Targeting WHO-norm 2005
- § Fight climate change, reduce CO2 emission
- § An emission free city, transition from fossil to electric or H2O

Besides Team Emission Free Mobility, we also have a team responsible for Car Free and a team for Shared Mobility (Trias Mobilica)

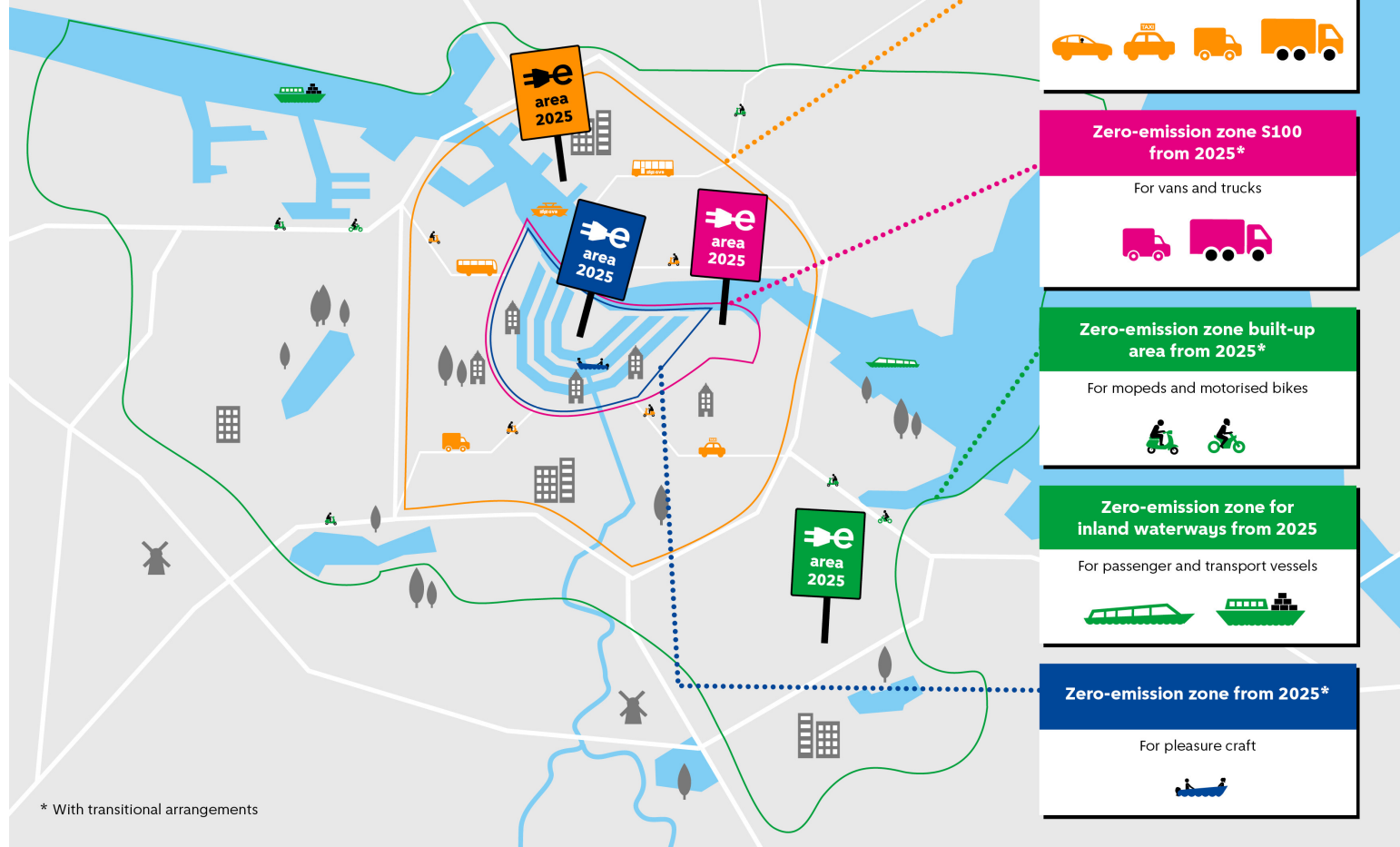


# Course towards a zero-emission Amsterdam





# Size of zero-emission zones and low emission zone



## Low emission zone area within Ring A10

For taxis, diesel passenger cars, diesel vans and trucks



## Zero-emission zone S100 from 2025\*

For vans and trucks



## Zero-emission zone built-up area from 2025\*

For mopeds and motorised bikes



## Zero-emission zone for inland waterways from 2025

For passenger and transport vessels



## Zero-emission zone from 2025\*

For pleasure craft



\* With transitional arrangements



# Action Plan Clean Air



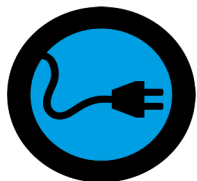
Communicate: educate and promote



Stimulate: Taxi 3 or 5k EURO; Transport 20%;  
demolition EURO 1500,- / 2250,-



Regulate: environmental zones

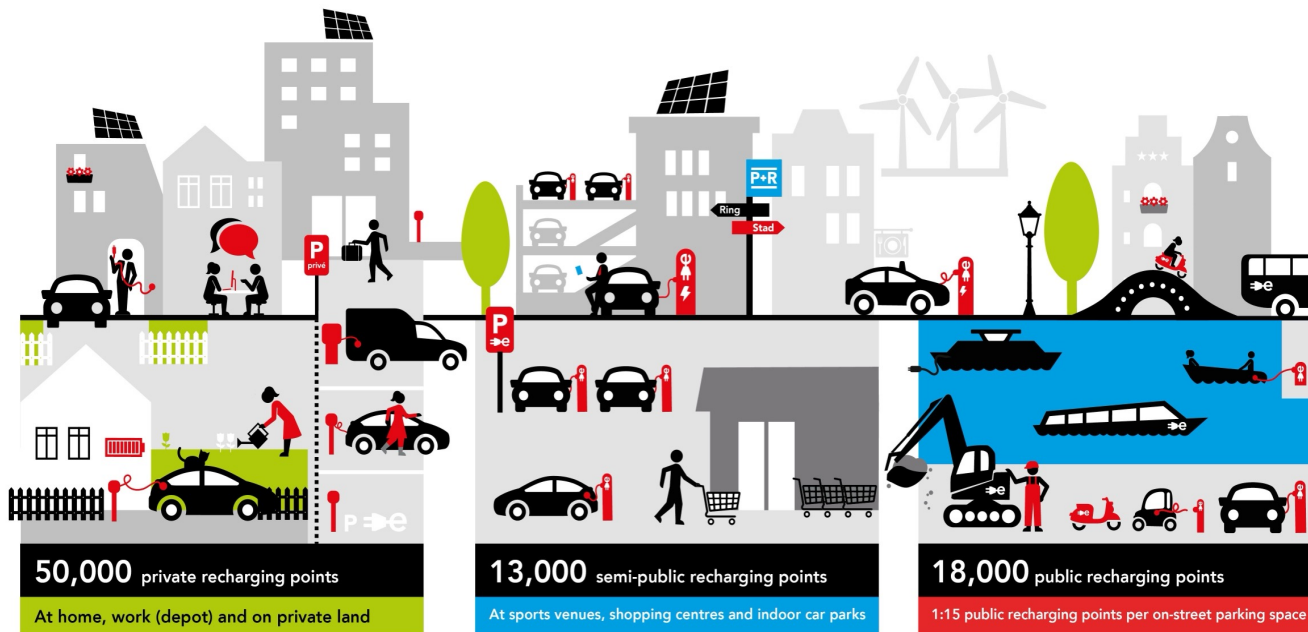


Facilitate: charging infrastructure



# The recharging infrastructure mix in 2030

[amsterdam.nl/elektrisch](https://amsterdam.nl/elektrisch)



**Amsterdam:**  
City with highest  
amount of  
charging  
stations.

**Q1 2026:**  
10.000 public  
charging points.

ONT2020001



Recharging takes  
place on private land  
as far as possible



A public recharging  
infrastructure spread  
across the district



We facilitate provision of  
high-power recharging  
points at strategic locations



Public recharging infrastructure  
provided on a strategic and  
data-driven basis



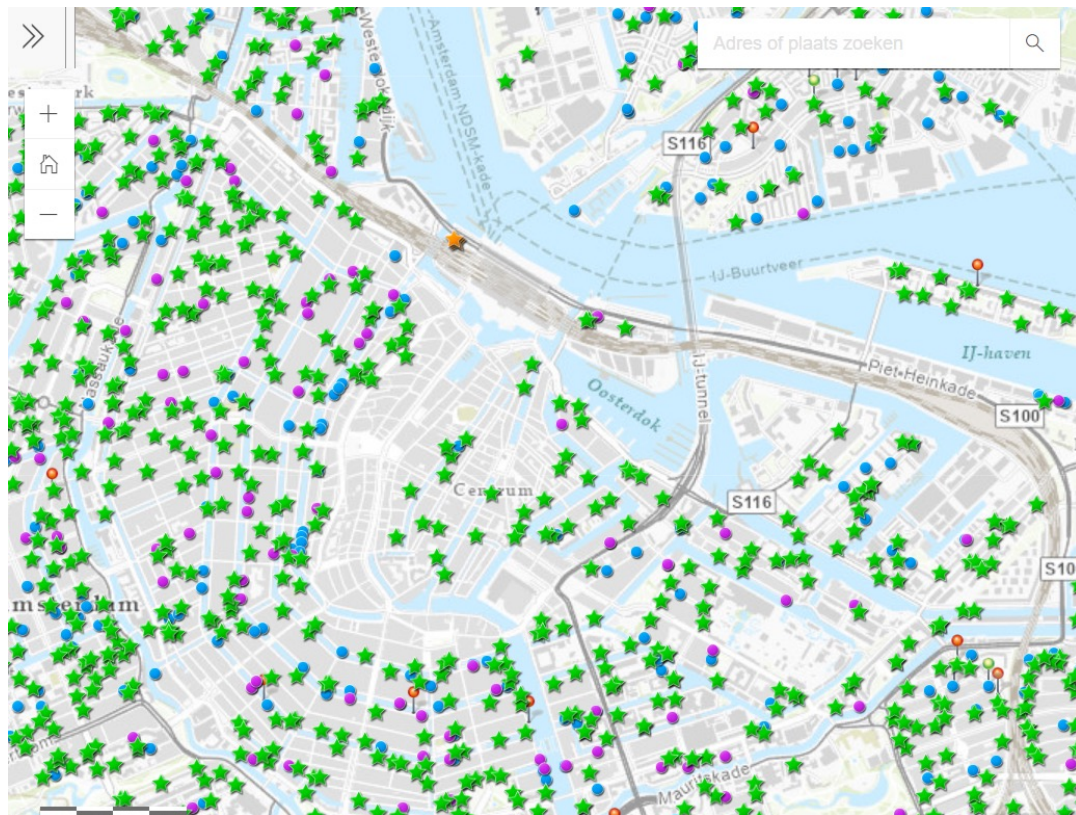
Working together on a  
city-wide network of  
hydrogen refuelling stations



# Data driven roll out

## Digital Participation

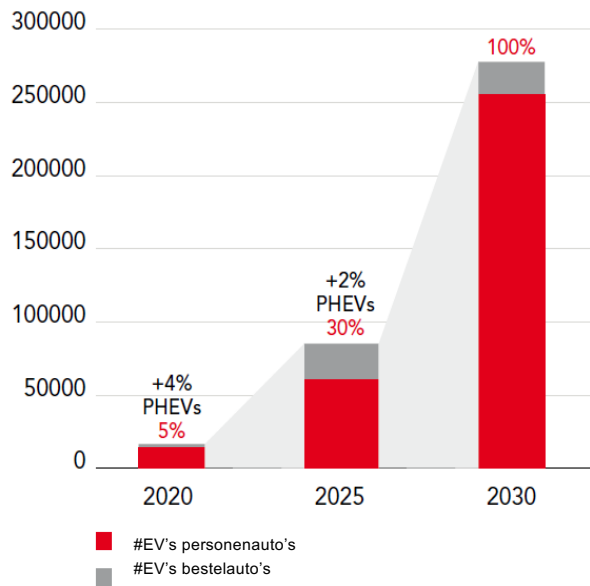
- Plans per city section
- From request to data driven roll out
- Through civilian participation



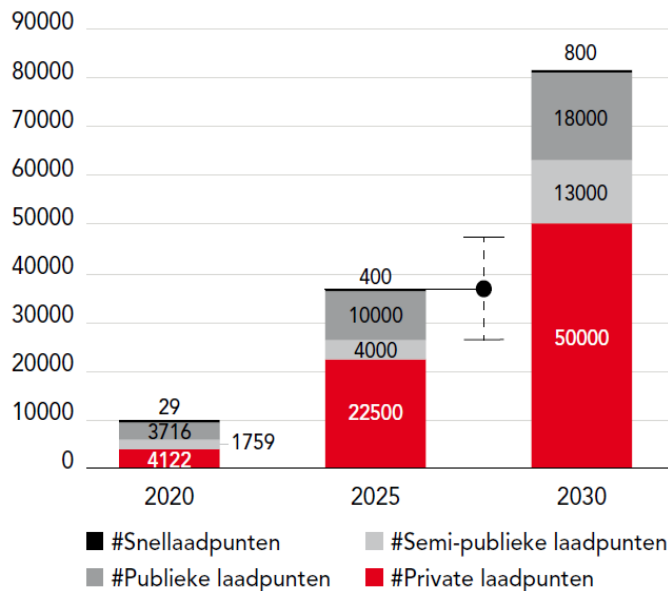


# Via concessions to ensure budget is no limitation

#Volledig elektrische personenauto's en bestelauto's (N1)



#Laadpunten





# Participation, Communication



Adviseurs Frank en Daan  
'Wij helpen je graag!'



Park + Switch hub  
Amsterdam



© ROCHARD BROWN  
Van der Vrandt met minister Don Stree van Lokaal, de eerste klant van de Skoud.



**ZO RIJ JIJ UITSTOOTVRIJ**  
KOM NAAR HET GRATIS EVENEMENT

**ZERO EMISSIE | EVENEMENT**  
**REGIO AMSTERDAM**

25 NOVEMBER 2024

15.00 - 21.00 UUR  
KROMHOUTHAL  
AMSTERDAM

MELD JE GRATIS AAN





# City Logistics

Amsterdam  
electric



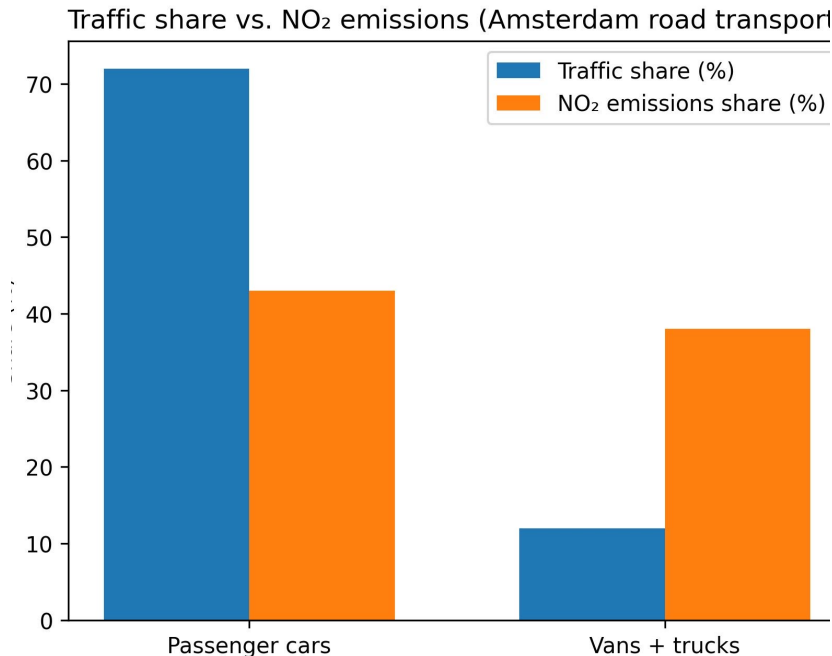
Florian Lipowski – Policy Officer

15 January 2026



# Why start with logistics?

- Few vehicles, high impact
- Major contributor to NO<sub>2</sub> and particulate matter
- A logical priority within the Clean Air Action Plan
- Accelerating the transition to zero-emission vehicles is crucial to meet EU standards by 2030

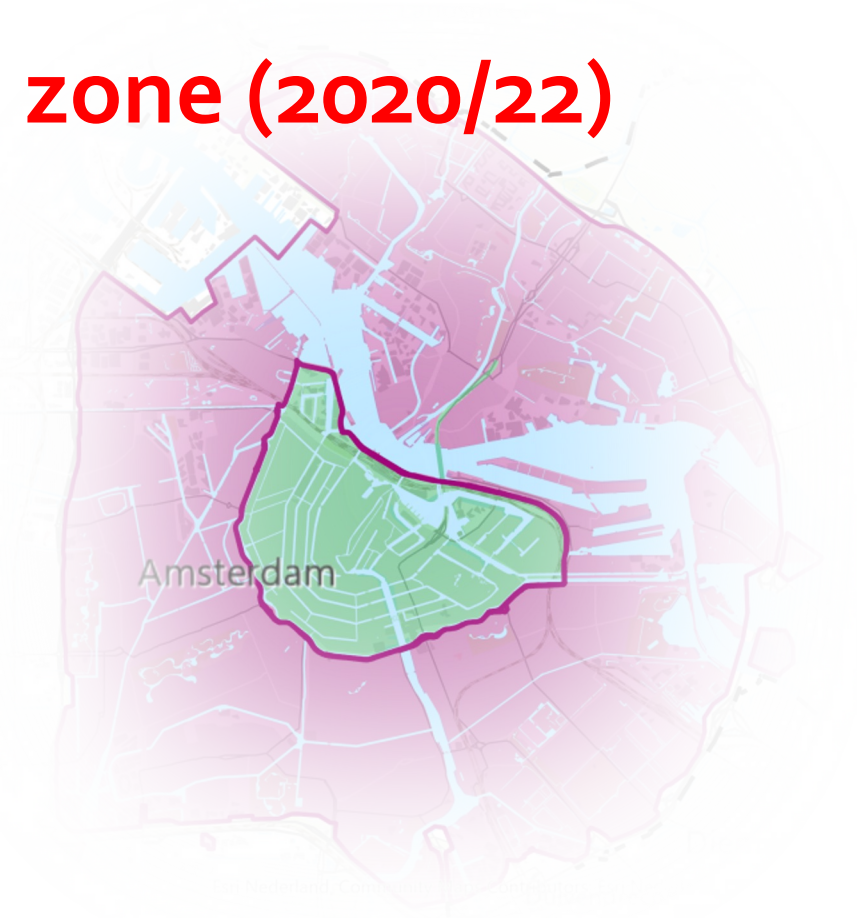




## PoD: environmental zone (2020/22)

✓ Environmental zones helped accelerate **drop in harmful emissions** by removing older diesel vehicles from busy areas

✗ **Confusing rules** throughout the country





-



# First evaluation ZEZ 2025

- ✓ municipalities satisfied with progress
- ✓ More zero-emission vehicles in city centres
- ✓ Enforcement and compliance are increasing
- ✓ Transition arrangements support businesses
- ⚠ Practical challenges remain
- ⚠ Air quality impacts become clearer over multiple years





# As of 2025 all vehicles ZE, except:

| Toegang tot zero-emissiezones                                                                                                                                                                        |      |      |      |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|
| 2025                                                                                                                                                                                                 | 2026 | 2027 | 2028 | 2029 | 2030 |
| Bedrijfsauto's en vrachtauto's die vanaf 1-1-2025 op kenteken worden gezet<br>(Datum Eerste Toelating vanaf 1-1-2025) moeten een zero-emissie aandrijving hebben.*                                   |      |      |      |      |      |
| Bedrijfswagens (N1 en N2 voertuigen met een toegestane max. massa 3500 kg) emissieklasse 5 hebben <b>tot 1-1-2027 toegang</b> tot de ZE-zones.                                                       |      |      |      |      |      |
| Bedrijfswagens (N1 en N2 voertuigen met een toegestane max. Massa 3500 kg) emissieklasse 6 en een <b>Datum Eerste Toelating tot 1-1-2025</b> , hebben <b>tot 1-1-2029 toegang</b> tot de ZE-zones.** |      |      |      |      |      |
| Euro 6 bakwagens (N2 en N3 voertuigen met een toegestane max. massa >3500 kg) Datum Eerste Toelating (DET) van 1-1-2017 t/m 31-12-2019 hebben <b>tot 1-1-2028 toegang</b> tot de ZE-zones.           |      |      |      |      |      |
| Euro 6 bakwagens (N2 en N3 voertuigen met een toegestane max. massa >3500 kg) Datum Eerste Toelating (DET) van 1-1-2020 t/m 31-12-2024 hebben <b>tot 1-1-2030 toegang</b> tot de ZE-zones.           |      |      |      |      |      |
| Euro 6 oplegertrekkers (N2 en N3 voertuigen met een toegestane max. massa >3500 kg) Datum Eerste Toelating (DET) van 1-1-2017 t/m 31-12-2024 hebben <b>tot 1-1-2030 toegang</b> tot de ZE-zones.     |      |      |      |      |      |
| *Dit geldt niet voor vrijgestelde voertuigen en voertuigen die voor € 500,- of meer zijn aangepast vanwege een handicap. Deze regeling is geldig tot 1-1-2030.                                       |      |      |      |      |      |
| **Voorbehoud: bedrijfswagens met emissieklasse 6 hebben tot 1-1-2028 toegang tot de zero-emissiezones. Het kabinet is voornemens deze overgangsregeling te verlengen tot 1-1-2029.                   |      |      |      |      |      |



Zero Emission Zones work

## (1) big players lead the charge

- They can **pay** for it
- **TCOs** work in their favor
- They have the **manpower**
- they have the means for long-term **strategies** and **investments**
- They have a strong position in the logistical chain (**leverage**)
- example: IKEA





## Zero Emission Zones work (2) need for new solutions for SMEs

- Logistics not part of business model
- Albeit favorable TCOs, high initial investments
- One-van-fits-all
- Range, payload, charging
- Countless financial, operational and logistical considerations
- Example: Damrak (Cityhub)





# BIZ.bus (shared-mobility Konzept)

- Cluster von Unternehmen ("bedrijfsinvesteringszone")
- Sektor: Gastro, Retail
- Strukturelle Parkproblematik
- ZEZ große (finanzielle) Herausforderung
- 3 Monate gratis pro BIZ, danach aus eigener Tasche





# Park & Switch (shared-mobility)

- Garage am Rand ZEZ
- Abstellen fossieler Lieferwagen
- Reservierung ZE-Fahrzeug
- Lösung für Investierungskosten und Parkproblematik

