Mobility Transition in Rotterdam

AVERE
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Lutske Lindeman
l.lindeman@rotterdam.nl
0031 6 20879710
SMART ACCESSIBILITY FOR A HEALTHY, ECONOMICALLY STRONG AND ATTRACTIVE ROTTERDAM

Rotterdam Urban Traffic Plan 2017 - 2030+
Policy on climate & mobility

Target national and local:  - 49% CO2 emissie 1990-2030

One third of CO2-emission and a quarter of the airpollution in urban areas is caused by mobility

Rotterdam Urban Traffic plan

- **Volume control**: Prevent unnecessary ICE km
- **Modal shift**: Shift from ICE to PT, walking, biking and sharing
- **Clean fleet**: 0-emission mobility

Rotterdam Mobility Approach

Zero Emission Mobility approach
Huidig beleid komt op 0,58 Mton
(-17% i.p.v. -40%)
Zero emission Mobility Approach for urban mobility
Rotterdam goes electric; 4 pilars

- Transport of People
- Transport of goods
- Municipal Fleet
- Charging infrastructure

https://www.rotterdam.nl/wonen-leven/stappenplan-zero-emissie/Roadmap-ZECL.pdf
## International

### Countries
- Cabo Verde
- Costa Rica
- Finland
- France
- Luxembourg
- Netherlands
- Portugal

### Cities and Regions
- California
- Gaia
- Lisbon
- Maputo
- Matosinhos
- Porto
- QUelimane
- City of Rotterdam
- Scotland

### Companies
- ALSTOM
- Brisa
- CEïa
- Deutsche Post DHL Group
- eDP
- ITAIPU BINACIONAL
- Michelin
- PTV Group
- TEVVA
Charging infrastructure Rotterdam

- > 3000 chargepoint, 2500 public
- Innovative tenders; market invests in charging network in Rotterdam (buca)
- Demand Driven
- Research and pilots for charging for city logistics
- Quick chargers on gasstations and in tenders for all modes
- Several pilots (5 charge squares, Streetplug, quickcharging, inductive)
- With 4 biggest cities we form a region on charging, we share knowledge
- Work on more efficiency

“what we do suits the demand and is done well!”
Environmental impact EV charging Rotterdam

Number of zero emission kilometers

<table>
<thead>
<tr>
<th>Year</th>
<th>KM</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>11,714,928</td>
</tr>
<tr>
<td>2017</td>
<td>14,431,487</td>
</tr>
<tr>
<td>2018</td>
<td>18,148,435</td>
</tr>
<tr>
<td>2019</td>
<td>28,412,542</td>
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</tbody>
</table>

710 times around the world

Emissions avoided

<table>
<thead>
<tr>
<th>Year</th>
<th>NOx (kg)</th>
<th>PM10 (kg)</th>
<th>CO2 (tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>1,816</td>
<td>29</td>
<td>2,325</td>
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<tr>
<td>2017</td>
<td>2,237</td>
<td>36</td>
<td>2,865</td>
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<tr>
<td>2018</td>
<td>2,813</td>
<td>45</td>
<td>3,602</td>
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<tr>
<td>2019</td>
<td>4,404</td>
<td>71</td>
<td>5,640</td>
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</table>
Regional approach charging infrastructure on demand

It is the responsibility of a local government to organise the public space and facilitate the demand for charging infrastructure of our citizens. 30 cities work together on charging infrastructure in 1 big tender. We place charging infrastructure data and demand driven. Electric mobility grows with rappid speed!

1000 demands in februari 2019
2000 demands in september 2019
3000 demands in januari 2020
4000 demands in juli 2020
Development demand driven from request to data driven
National ambition Zero Emission Vehicles

- Zero Emission sales of private cars 100% in 2030
- Zero Emission transport of people in 2025
- Zero Emission city logistics in 2025
- Zero Emission busses in 2025
National Policy on charging infrastructure

- Tax system fits 0-emission mobility
- 1.8 million charge poles needed for 2 million FEV:
  National Approach Charging Infrastructure: Public charging, at home and at the company, Quickcharging, In coordination with the energy transition, For all modalities! 6 Regions within NL
- Subsidy since July 2020 (4000 for newly sold cars, 2000 euro for 2 hand)
- Increase findability of charging infrastructure
- Stakeholders cooperate in National knowledge platform on charging infrastructure, National approach on charging and national Formula E-Team