City of Rotterdam

Lutske Lindeman

Rotterdam Municipality's Electric Mobility and Smart Charging Program

9-6-2017

City of Rotterdam

Gemeente Rotterdam

616.000 inhabitants,
nr. 1 port of Europe

(Inter)national policy goals

In Rotterdam, we are committed to achieving a pleasant, green and safe city.

- **Climate change**
- **Cleaner air**
- **Energy transition**
- **Urbanisation**

Urban Mobility Plan

Gemeente Rotterdam

Clean use

Clean vehicles

Clean fuels

Focus on electric driving

Gemeente Rotterdam

SLIMME BEREIKBAARHEID VOOR EEN GEZONDE, ECONOMISCH STERKE EN AANTREKKELIJKE STAD

Stedelijk Verkeersplan Rotterdam 2016 - 2030+

Gemeente Rotterdam

A vision on sustainable fuels for transport:

A roadmap towards 0- emission for all vehicles is needed

Gemeente Rotterdam

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Gemeente Rotterdam

ELECTRIC MOBILITY IN ROTTERDAM

GEZONDERE LUCHT.nl

FACTS AND FIGURES

NUMBER OF CHARGING POINTS IN 2016: **2,000**

75% ON THE STREET

19% AT PRIVATE HOMES

5% FOR MUNICIPAL ORGANISATIONS

1% PUBLIC PARKING GARAGES

NUMBER OF CHARGING SESSIONS:

2014: **94,570** TIMES

2015: **175,652** TIMES

2016: **315,424** TIMES

CHARGING HOTSPOTS IN 2016:

NUMBER OF ZERO EMISSION KILOMETRES

1. BOTERSLOOT 141: **85,948** KM
2. WILHELMINAKADE 967: **78,198** KM
3. [illegible]: **68,773** KM

NUMBER OF ZERO EMISSION KILOMETRES

2014: **4,000,583** KM

2015: **7,390,716** KM

2016: **12,412,006** KM

Future challenges

- Carshare
- Automated driving
- First last miles
- New mobility

Innovation agenda

WHAT

- **Netconnection underground**
  - Connected with:
    - Wireless charging system
    - Streetplug
- **Stimulating battery is full and leave**
- **Net balanceing TENNET**
- **Prefered charging**
- **Second life battery**
- **Solar tiles**
- **Solar Charging**

Innovation-agenda

Why

- **Part of the deal**
- **Enormous growth and demand for charging and integration in the public space**
- **Energy transition**
  - Growth EV
  - Connecting local green energy
  - Pressure on the net
- **Approve business case**

Dialogue