

# Rotterdam Tests Electric Vehicles

A grid operating company (Stedin),  
an energy [services] provider (Eneco) and  
a large Dutch city (Rotterdam) report at EVS27

Barcelona, November 2013



**RotterdamTests**  
**ElectricVehicles**

from april 1<sup>st</sup> 2012 to april 1<sup>st</sup> 2013  
we tested the following:



**75**  
electric vehicles

**129**  
charging stations

**100**  
drivers



**711.494**  
electric kilometres

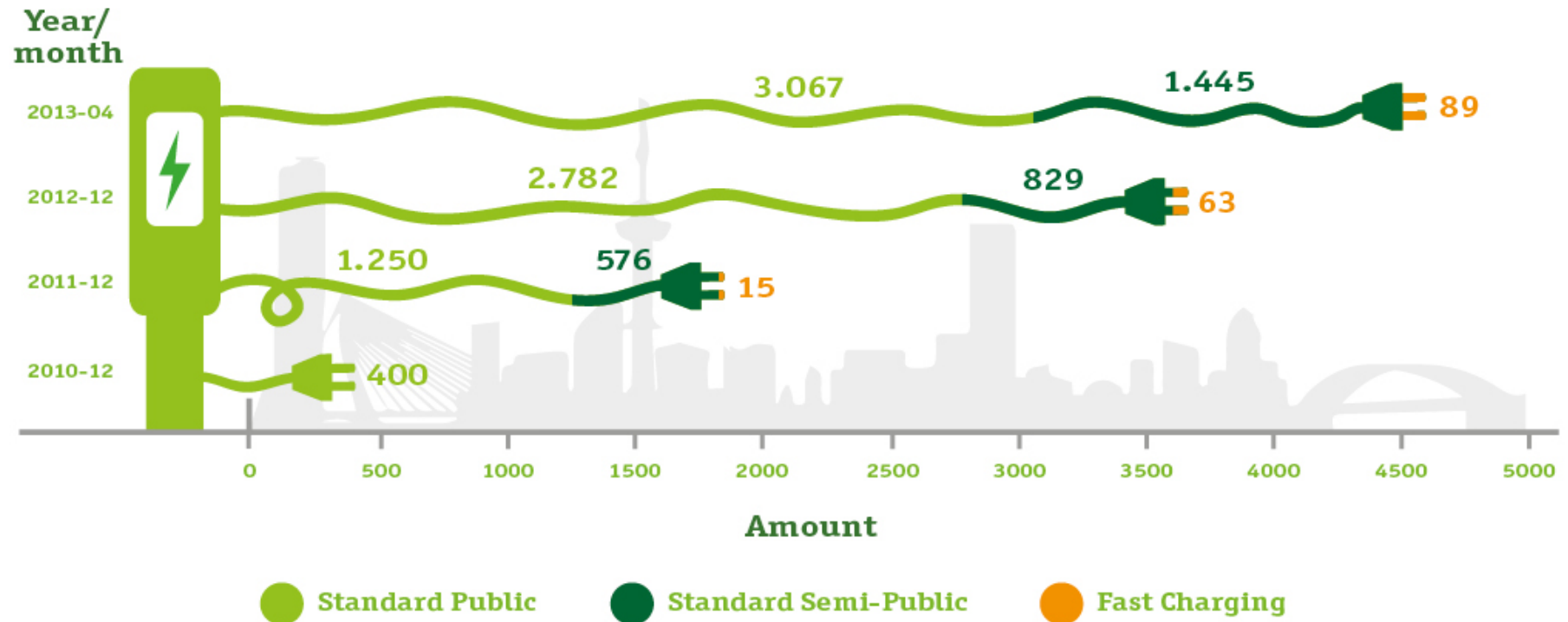
**less**  
pollution

**270**  
million  
registered  
measurements



**RotterdamTests**  
**Electric Vehicles**

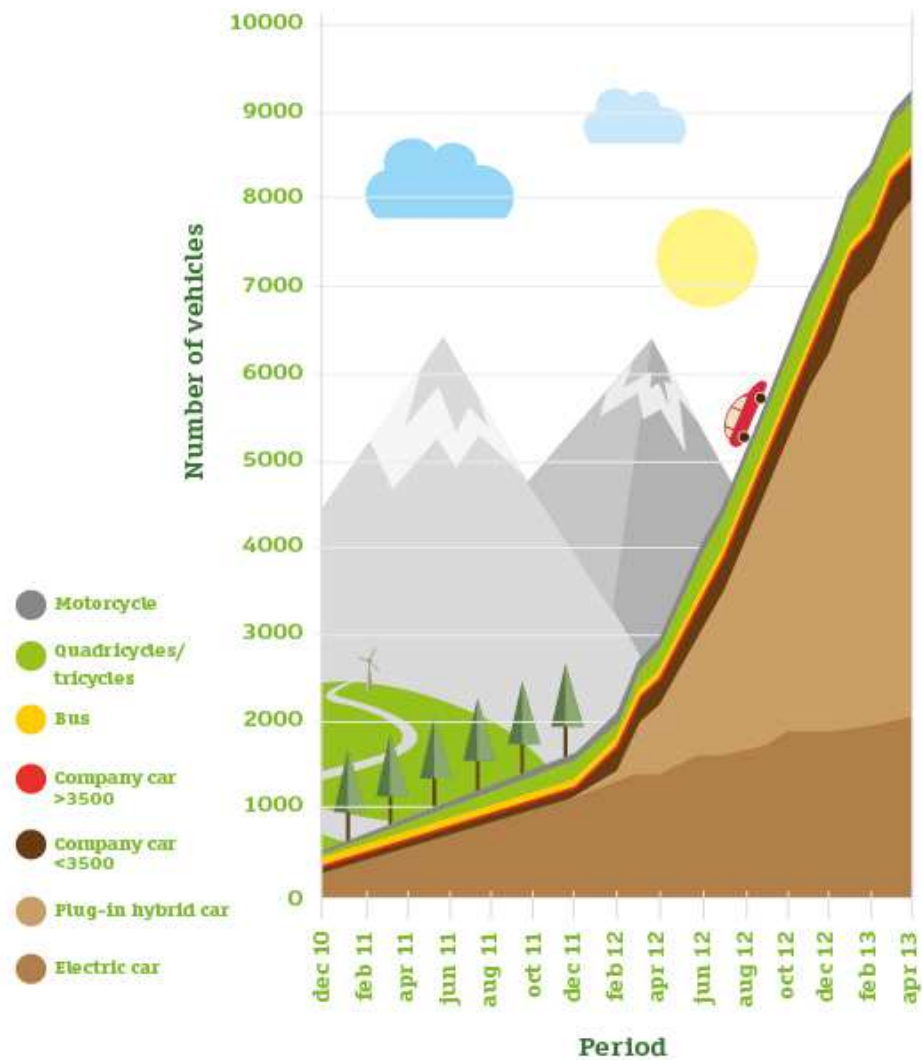
## Charging stations (excluding private charging stations)



## Growth curve of electric vehicles

### National ambitions for electric driving in the Netherlands

2015	20.000
EV's	
2020	200.000
EV's	
2025	1.000.000
EV's	

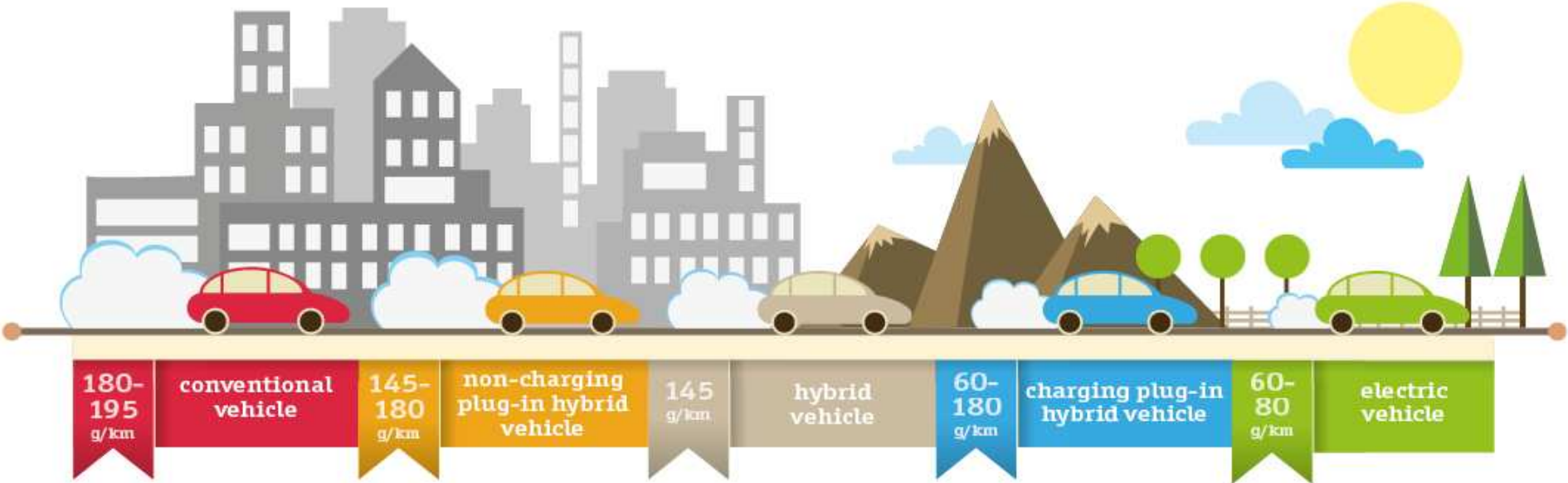


### In Rotterdam

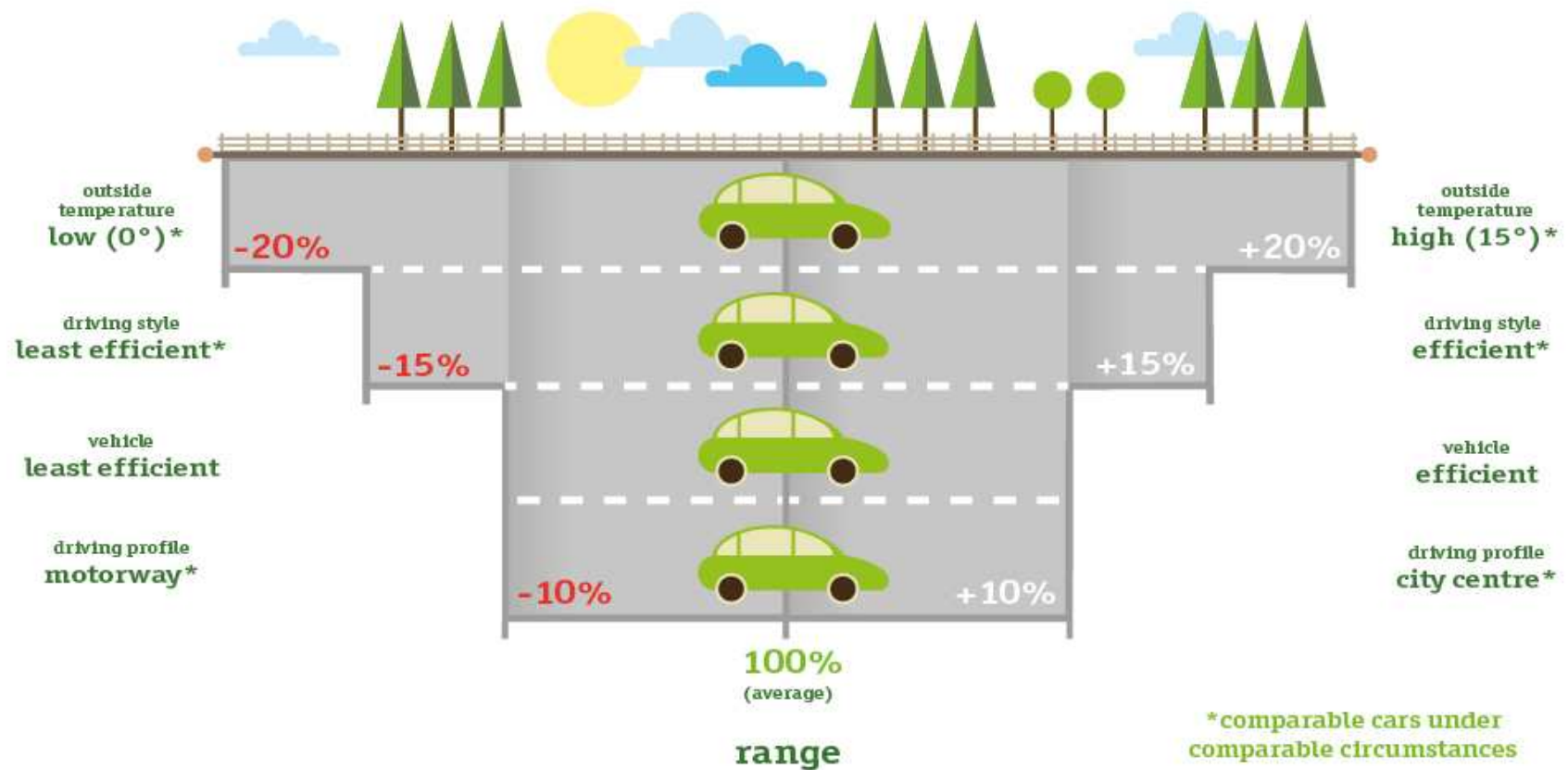
2025  
EV's 200.000

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### The CO<sub>2</sub> emissions from passenger cars



## The four most important influences on the consumption and range of electric cars



**NRGSPOTs  
in the  
Netherlands**



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## Use of the charging stations for 24 hours at home and at work



The average utilisation rate in residential areas:  
 Time period of utilisation rate  
 00:00 - 07:00 hours - 39%  
 07:00 - 12:00 hours - 25%  
 12:00 - 17:00 hours - 19%  
 17:00 - 24:00 hours - 35%



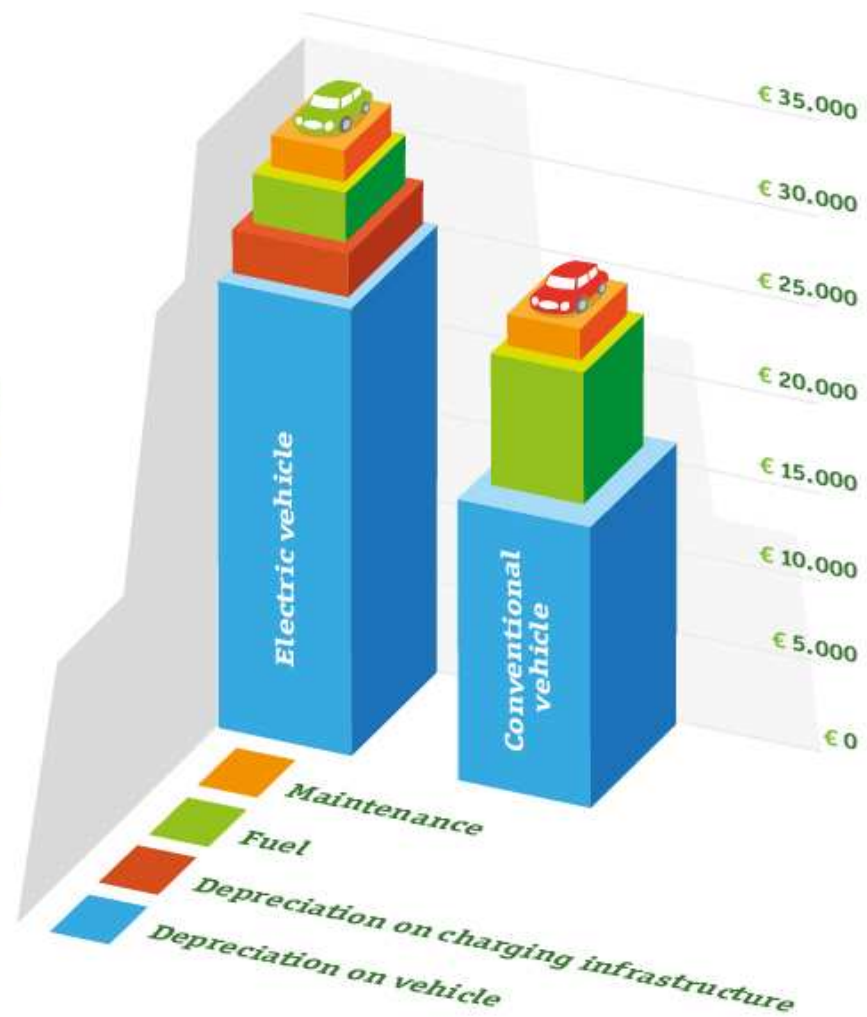
The average utilisation rate at Blaak 8:  
 Time period of utilisation rate  
 00:00 - 07:00 hours - 12%  
 07:00 - 12:00 hours - 27%  
 12:00 - 17:00 hours - 29%  
 17:00 - 24:00 hours - 13%



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Purchase price of **electric car** still too high



- # Why are we here?
- to share our findings with you
  - because we think renewable energy and mobility must be linked
  - because we're interested in the behavioural changes that requires
  - because you might help us [find out how to] bring those about

# Find out more?

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download report at:

[www.rotterdamtestelektrischrijden.nl](http://www.rotterdamtestelektrischrijden.nl)



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