

**Polis Conference  
november 2012  
Perugia**



**Lutske Lindeman**

**Introduction of electric transport. A  
cooperation between local government and  
market.**



# Rotterdam



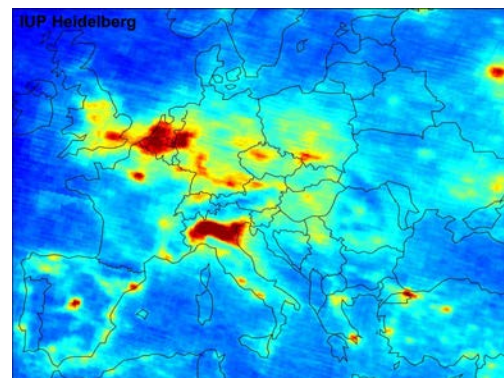


# Need for action



Independency fossil  
fuels

Healty  
environment



Reducing greenhouse  
gases

Sustainable energy  
for transport

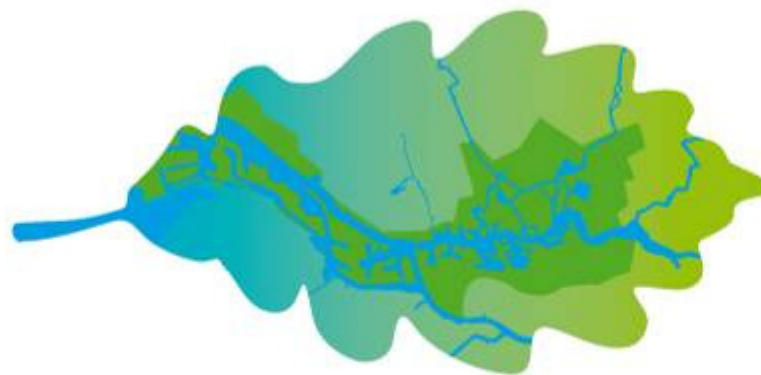


accessibility



Rotterdam/Netherlands:  
energy hub for Europe





## ROTTERDAM.CLIMATE.INITIATIVE

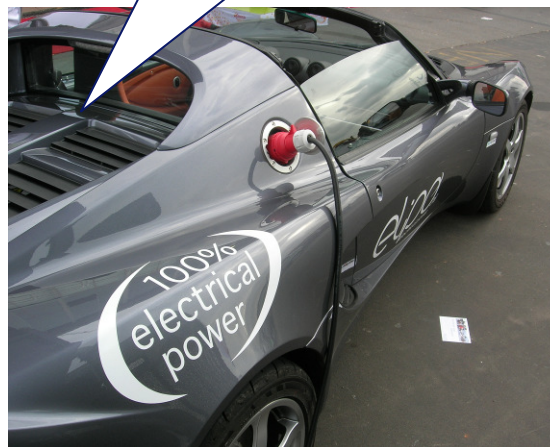


# Three different angles

**Clean use**



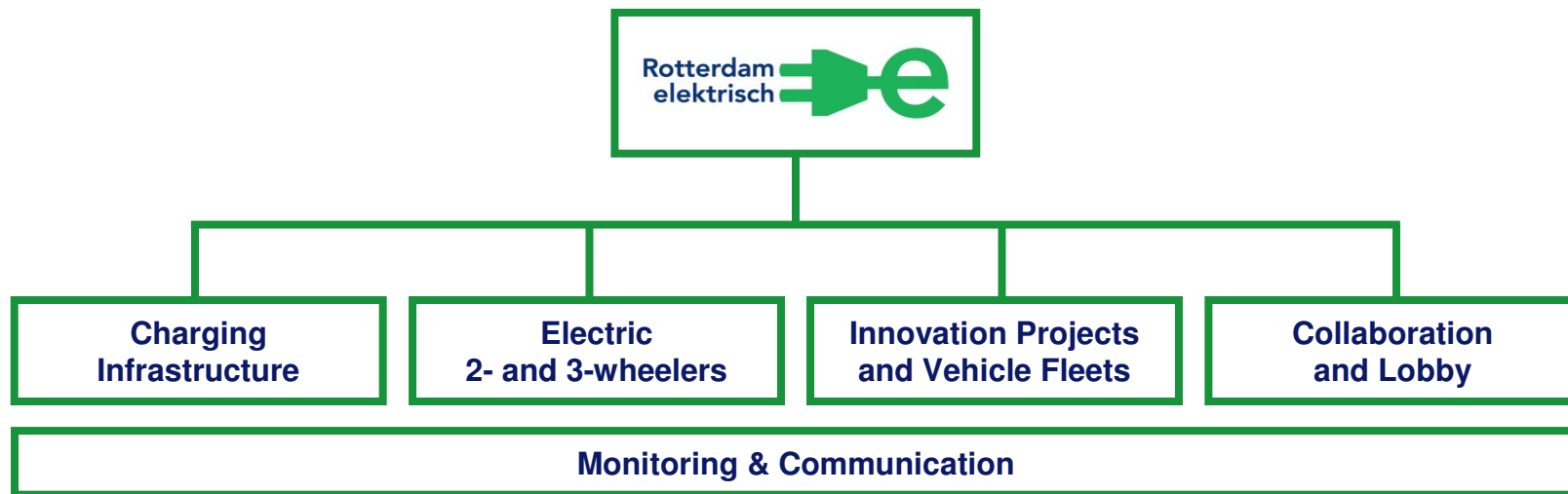
**Clean vehicles**



**Clean fuel**



# Rotterdam Electric



# Rotterdam Electric

**Goal: encourage the use of electric vehicles**

- **At least 1.000 charging stations in 2014**
- **A covering network of charging stations for e-bikes and e-scooters**
- **Replacement of 4.000 petrol scooters by e-scooters**
- **A portfolio of innovation projects on electric mobility**
- **All new parking garages are designed to be 'EV-Ready'**
- **25% of the municipal vehicle fleet is electric or hybrid in 2014**









# Charging Infrastructure

## Targets:

### 1. 1000 charging points linked to vehicle owners:

- Private terrain: subsidies (€ 1.000 and € 450 for green electricity) or
- In parking garages or
- In public space

### 2. 60 charging stations at strategic locations

### 3. Fast-charging



# Innovation Projects - Milestones

- Pilot with 75 electric vehicles in Rotterdam
- Pilot with 25 electric car sharing vehicles in the 4 big cities
- Electric Tuc Tuc transport by Flex Overschie
- Pilot with 4 electric hybrid busses at RET
- Start of ESFA: Electric Scooter Factory Rotterdam
- Application of 2 hybrid heavy garbage trucks
- Fast charging stations



# Innovation Projects - Milestones

## Launch of the Electric Vehicle Center

Het Nieuwe Rijden  
Elektrisch Vervoer Centrum 





# Innovation Projects

- Possible new innovation projects in 2012 and beyond
  - Electric city distribution
  - Electric taxis
  - Full-electric city busses
  - Electric car sharing



# Electric 2- and 3-wheelers - Projects

- E-scooter platform Rotterdam
- Electric Scooter Factory Rotterdam
- Experience to convince 2.0
- E-scooter in municipal vehicle fleet
- Charging stations in public bicycle sheds
- Electric food delivery
- Scooter party @ RDM
- Domino's and Croon TBI as forerunners

## New

- Experience to convince 3.0
- Electric thuisbezorgd.nl (takeaway.com)
- Electric scooter experience HNR|EVC





# E-scooters







# Collaboration and Lobby

- **Green Deal on electric transport**
- **European collaboration in HyER and POLIS**
- **European projects:**
  - **Hybrid User Forum (approved)**
  - **Clean Fleets (approved)**
  - **TIDE (approved)**
  - **E-FACTS**
  - **E-mobility 3 cities NL**
  - **Clean City Logistics**
  - **City 2.0**
  - **DELIVER**
- **Shanghai Electric Vehicle Center**







**Rotterdam  
electric**

