

# ELCIDIS

a THERMIE-project

Electric vehicle City Distribution Systems

Project Coordinator

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# ELCIDIS

- ❖ City project with company participation
- ❖ Partnership: 6 cities and CITELEC



- ❖ Demonstration sites:

large cities: Rotterdam

Stockholm Milan

small cities: La Rochelle

Erlangen Stavanger



❖ 63 Vehicles to be tested in urban distribution:

44 EV

16 HEV

3 E-Scooters

❖ Total eligible costs : 4.8 M EURO

Support from EC : 1.9 M EURO



# Main objectives

- ❖ Proving viability of urban distribution with (H)EV
- ❖ Showing environmental benefits
- ❖ Promoting incentives for (H)EV



# Project phases

- ❖ *1st phase:*

Design logistic system and defining vehicles

- ❖ *2nd phase:*

Procuring vehicles and installing logistic system

- ❖ *3rd phase:*

Logistic system and vehicles in operation



# Rotterdam

Mainport of Europe; largest port in the world  
600.000 inhabitants

- ❖ Co-operation with largest distribution companies
- ❖ Extended delivery hours for clean and silent vehicles
- ❖ 7 Large electric vans for goods delivery in city centre
- ❖ Use of high-performance ZEBRA batteries



# Stockholm

Capital of Sweden

700.000 inhabitants

- ❖ 3 Electric vans for goods delivery in city centre
- ❖ 6 Hybrid electric trucks for goods delivery in city centre
- ❖ Extended delivery hours for clean and silent vehicles



# La Rochelle

Centre for electric vehicle demonstration and research ; 135.000 inhabitants

- ❖ New distribution centre on the edge of city centre
- ❖ 10 Electric vans for goods delivery in city centre
- ❖ 3 Electric scooters for delivery in city centre
- ❖ Extended delivery hours for electric vehicles



# Erlangen

Centre for micro electronics, medical and health technologies ; 100.000 inhabitants

- ❖ 10 Hybrid electric Audi's Duo for in-house distribution
- ❖ 3 Small electric vehicles for in-house distribution in city centre
- ❖ 5 Photo-voltaic recharging stations



# Regione Lombardia Milan

Economic and industrial centre of Italy  
1.500.000 inhabitants

- ❖ 9 Electric vans for municipal in-house distribution
- ❖ 4 Electric vans for in-house distribution  
Energy Company
- ❖ Regulatory measures in favour of EV's  
(under consideration)



# Stavanger

Administrative “capital” for the North sea oil industry ; 100.000 inhabitants

- ❖ 4 Electric vans for mail distribution in the region
- ❖ 4 Electric vans for in-house distribution
- ❖ Service centre for electric vehicles
- ❖ Project recharging station



# Conclusion:

ELCIDIS runs with ups and downs

ups:

- ❖ Successful operation in several sites
- ❖ Broad interest from other parties

downs:

- ❖ Very disturbed planning
- ❖ Due to lack of availability



but:

- ❖ Positive spin off at other car manufactures
- ❖ Renault, Kangoo EV extended range
- ❖ Ford, Think City and Electric Ranger (US)



More information from:

The ELCIDIS brochure and newsletter

and

the ELCIDIS website:

[www.elcidis.org](http://www.elcidis.org)

