



# FR-EVUE

## Freight Electric Vehicles in Urban Europe





City of Westminster



# FR-EVUE

- To demonstrate how electric vehicles can be used in urban logistics to improve traffic flow and reduce the associated environmental impacts.
- Led by Cross River Partnership with Westminster City Council as accountable body.
- 30 Partners from the public, private and research sectors
- Total budget: €13.8million over 4 ½ years






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# FR-EVUE

- Demonstration will include:
  - 120 vehicles: small vans, 3.5 tonne to large 18 tonne trucks
  - Different sectors: food, retail, waste, post
  - Public & Private organisations: local freight operators through to multi-national logistic companies
  - Different logistic models: consolidation centres, point to point deliveries etc
  - Different charging modes: fast, time-shifted, dynamic response etc





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CROSS RIVER PARTNERSHIP

# Consortium

### City + Policy

Westminster Council (Co-ordinator)

City of Amsterdam

City of Lisbon

City of Madrid

City of Milan

City of Oslo

City of Rotterdam

City of Stockholm

Swedish Transport Adm.

EMEL









Transport for London

### Co-ordination and Dissemination

Hyer

Polis

### Logistics





### Research

Imperial College London




TNO (NL)

SINTEF (NO)



### ICT Partners



### Vehicle Manufacturers\*



### Grid Operators



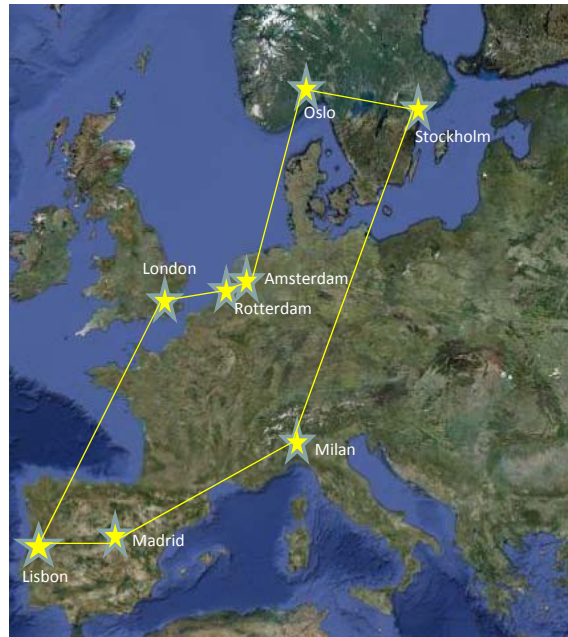
European Commission

\* Renault will also support the project

SEVENTH FRAMEWORK PROGRAMME

# Demonstrator Cities

- London
- Amsterdam
- Lisbon
- Madrid
- Milan
- Oslo
- Rotterdam
- Stockholm



## Demonstrator Projects



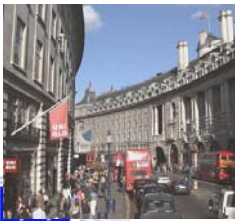
### Rotterdam/Amsterdam

- HEINEKEN: Brewing a better future by testing large Electric Vehicles in beverage distribution
- TNT Express and UPS: All Electric Parcel distribution centres
- Binnenstadservice: additional EV truck for consolidation centre.



### Stockholm

- Best practice for EV logistics in new development areas
- 1<sup>st</sup> Consolidation centre for construction and mixed use
- Ongoing consolidation centre development.



### London

- Reducing charging constraints for medium-large EV fleets and roll out of larger UPS electric fleet
- Expansion of EV consolidation centre to new end-user types



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## Demonstrator Projects



### Lisbon

- Controlled deliveries in a historical area – positive discrimination for EVs
- Mail & Municipal Waste sectors



### Madrid

- ICT tailored for optimisation of EV logistics
- Itene, SEUR, Pascual, TNT



### Oslo

- Benchmarking EV logistics against alternative fuels and hybrid vehicles and test low temperature operation



### Milan

- Consolidated EV logistics for pharmaceutical deliveries





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## Timeline

- FP7 results announced August 2012
- Contract negotiations Autumn 2012
- Contract signed December 2012
- Project commences January 2013
- Project delivery 2013 – 2017
- Project conclusion July 2017







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