Royal Mail

Hydrogen the opportunity to decarbonise transport in the postal sector

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Royal Mail Group

Revenues of £9 Billion and employing over 190,000 people

We deliver to 27 million UK delivery addresses and operate over 12,000 Post Offices 6 days a week

Process 82 million items of mail per day operating a network of over 2500 buildings

Our fleet of 33,000 vehicles travels 650,000,000 miles per year
The Environmental Challenges facing Royal Mail

POLITICAL AND GOVERNMENT
- Climate Change Act – 34% by 2022 and 80% by 2050

EXTERNAL CHALLENGES
- Security of energy supply – post 2013
- Volatility of diesel costs
- Competition in the market

DRIVERS
- Internal KPI’s and targets
- Future risk mitigation
Greenhouse gas reduction programmes for transport

Internal Programmes
• Vehicle efficiency program
• Telemetry
• Route revisions
• Network reviews

New Technology
• Aerodynamics/ double deck trailers
• Hydrogen and alternative fuelled vehicles

External Programmes
• Hydrogen universal design Specification (FCE project)
• Cenex and Department for Transport Electric Vehicle Programme
• UK Hynet – Scottish Government working groups
Hydrogen opportunities across EU postal organisations

- Green alternative postal vehicles project: introducing fuel cells and hydrogen in postal fleets
- Project concept paper being created for submission to the Intelligent Energy Europe Program where
- Strategic need to stimulate and drive activity in this area

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<tr>
<th>Nature</th>
<th>Postal Organizations</th>
<th>Vehicles manufactures infrastructure equipments suppliers</th>
<th>University &amp; Research Institutes</th>
<th>Supporting organizations</th>
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<td>Scope</td>
<td>Field tests and benchmarking</td>
<td>Delivering vehicles &amp; infrastructures</td>
<td>Data acquisition, analytical benchmarks, GHG Impact assessment</td>
<td>Dissemination, communication and information</td>
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| Possible partners | • UK: Royal Mail • NO: Norsk Post • DK: Danish Post • FR: electric vehicles and H2 (Lyon/Rhône-Alpes region) | Vehicles:
  • Microcab
  • Mega
  • Derbi
  • VEM Moroni Autoservice
  • Masterflex
  • Air product
  • Air Liquide
  • Statoil | • Riso Institute (DK)
• University of Birmingham (UK)
• Imperial College (UK) | • PostEurop
• FuelCellEurope
• Hinicio |
Thank you for your time.

Any questions?

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