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

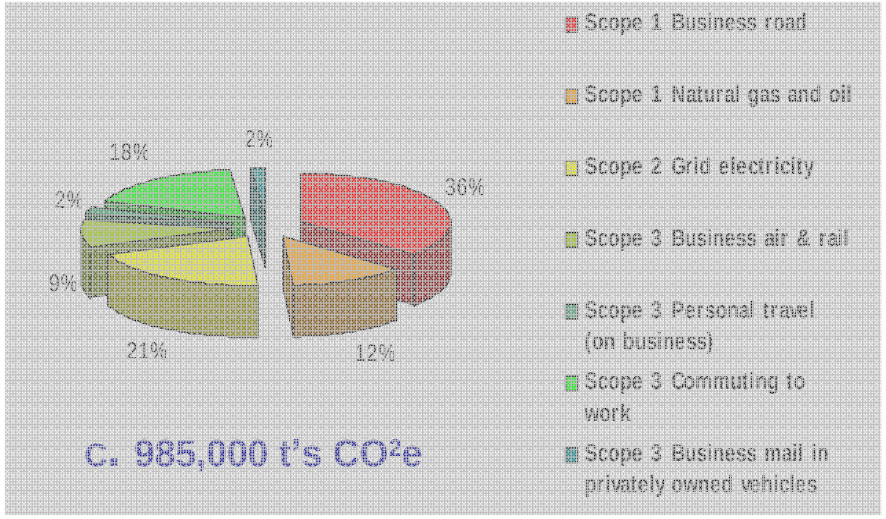
- Climate Change Act – 34% by 2022 and 80% by 2050

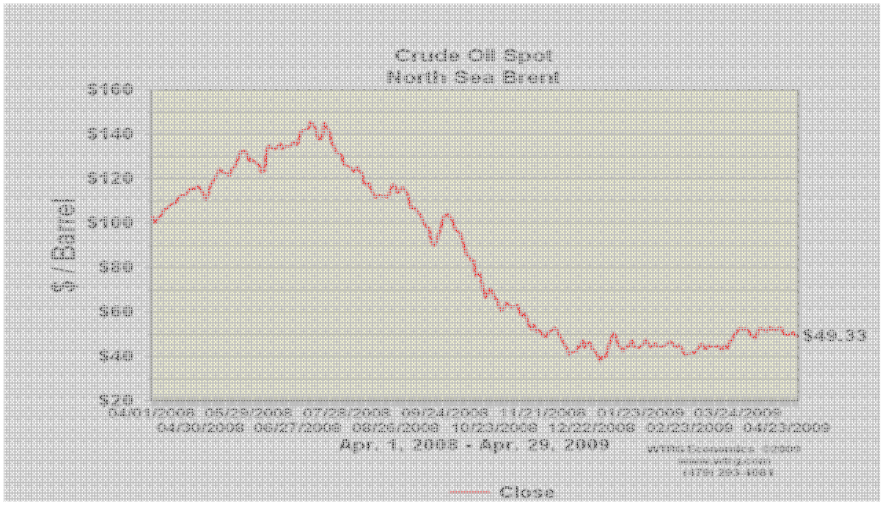
EXTERNAL CHALLENGES

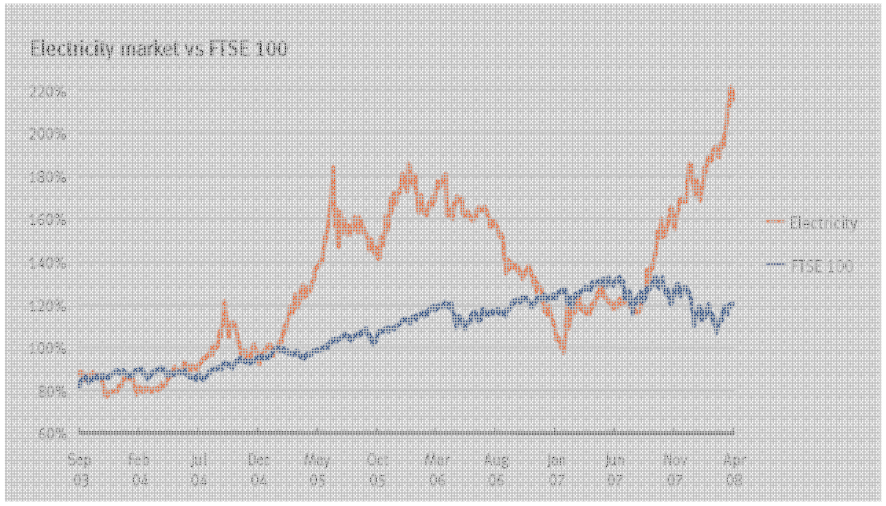
- Security of energy supply – post 2013
- Volatility of diesel costs
- Competition in the market

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

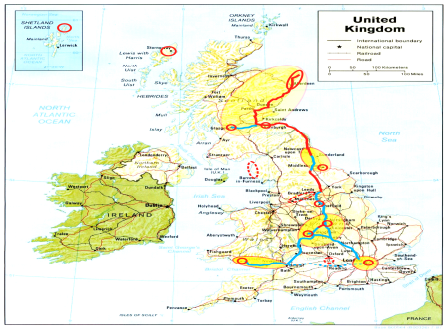
- Aerodynamics/ double deck trailers
- Hydrogen and alternative fuelled vehicles

External Programmes

- Hydrogen universal design Specification (FCE project)
- Cenex and Department for Transport Electric Vehicle Programme
- UK Hynet – Scottish Government working groups

Microcab hydrogen fuel cell

Ford Transit- H_2 ICE



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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

Nature	Postal Organizations	Vehicles manufactures infrastructure equipments suppliers	University & Research Institutes	Supporting organizations
Scope	Field tests and benchmarking	Delivering vehicles & infrastructures	Data acquisition, analytical benchmarks, GHG Impact assessment	Dissemination, communication and information
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** ***H2 infrastructure:*** **•Air product •Air Liquide •Statoil**	**•Riso Institute (DK) •University of Birmingham (UK) •Imperial College (UK)**	**•PostEurop •FuelCellEurope •Hinicio**

POST EUROP

Fuel Cell Europe

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Thank you for your time.

Any questions?

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