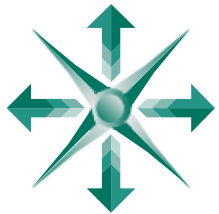


20 April 2010

Scott Hardy

# → Freight Best Practice



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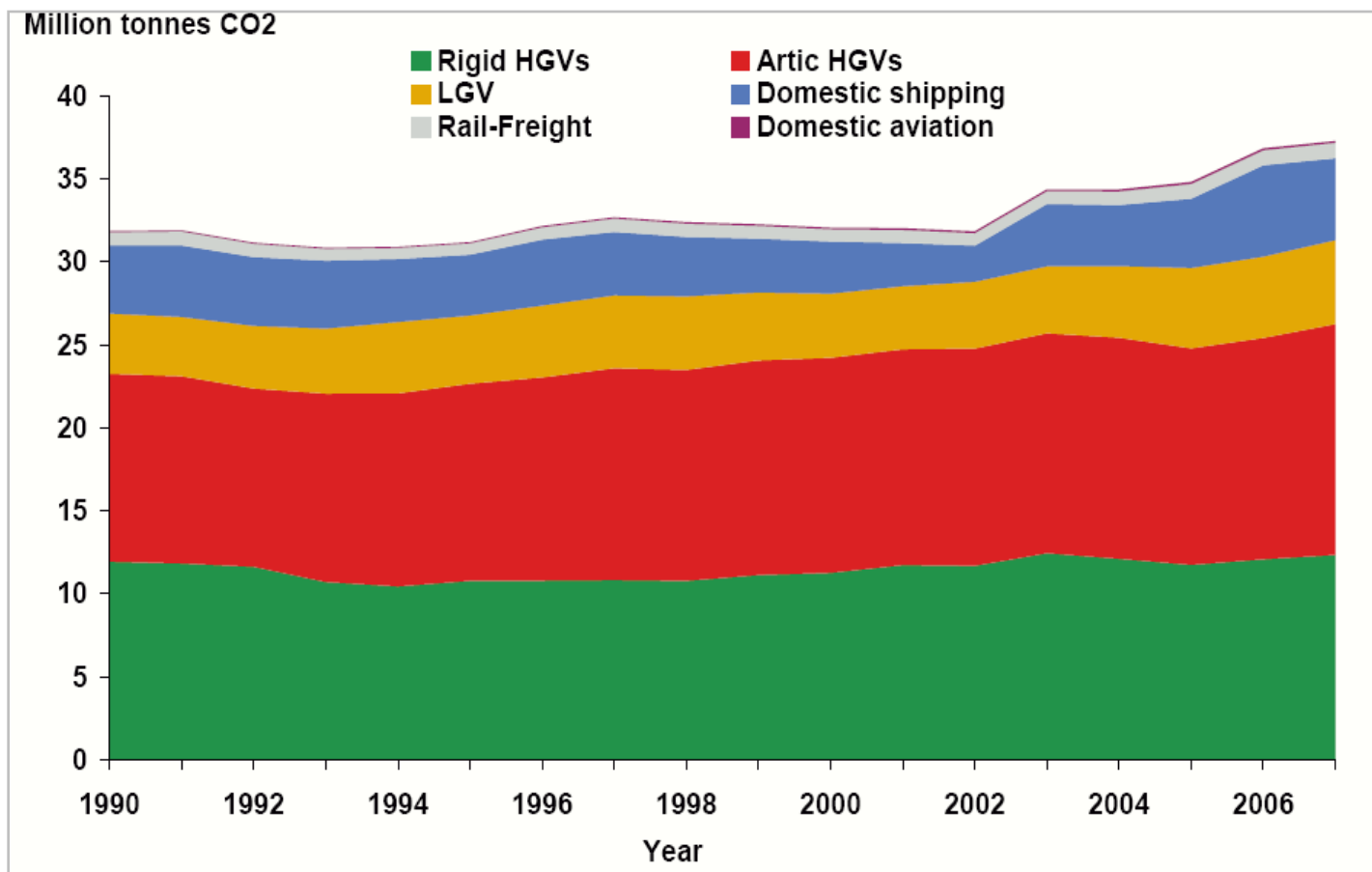
# The Global Warming Issue



## Climate Change

→ Transport = c21% of UK domestic greenhouse gas emissions

→ Freight = c30% of transport emissions



# Climate Change – The Debate

climate  
change denial



apocalyptic  
vision

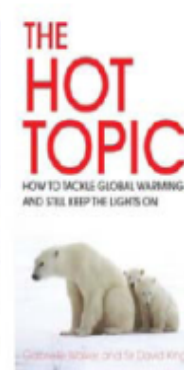
We are not to blame / it has happened before / it will be self-correcting / it is a political - economic - scientific conspiracy..

There is a problem but we should concentrate on other priorities

Huge problem requiring urgent response. The necessary change is manageable within existing economic and political frameworks

Mankind's greatest challenge. There is still time, but it will require draconian changes to our way of life

It's too late. Try to preserve our civilisation in an era of runaway climate change



## DfT Strategy

- DfT recently published a report '*Low Carbon Transport: A Greener Future*'
- Describes how the transport sector in the UK will contribute to carbon reduction targets
- The objective of this strategy is to substantially decarbonise our transport system by 2050, across all modes
- **FreightBestPractice** is designed to improve operational efficiency and thereby reduce transport cost and in turn CO<sub>2</sub>



→ **FreightBestPractice**

**Save Fuel**  
**Save CO<sub>2</sub>**

[www.freightbestpractice.org.uk](http://www.freightbestpractice.org.uk)

Hotline: 0845 877 0 877

[info@freightbestpractice.org.uk](mailto:info@freightbestpractice.org.uk)

Department for  
**Transport**



Find out how to improve your fleet efficiency

## Programme Objectives

- Saving CO<sub>2</sub>
- Improving Operational Efficiency
- Saving Fuel (approx 30% of operators' costs)
- Saving Industry Money
- Providing Best Practice Industry Information
- Improving Driver Safety







# → FreightBestPractice

Department for  
**Transport**





## Drivers: You are the key!

INTRODUCING  
THE WORLD'S MOST  
**ADVANCED  
NAVIGATION  
SYSTEM**



Don't over-rely on Sat Navs!



They can direct you on to routes that might be inappropriate for lorries.



→ FreightBestPractice

[www.freightbestpractice.org.uk](http://www.freightbestpractice.org.uk)

 **Transport  
Operators Pack**

Printed in the UK on paper containing at least 75% recycled fibre.  
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## Interactive Multi-modal Map

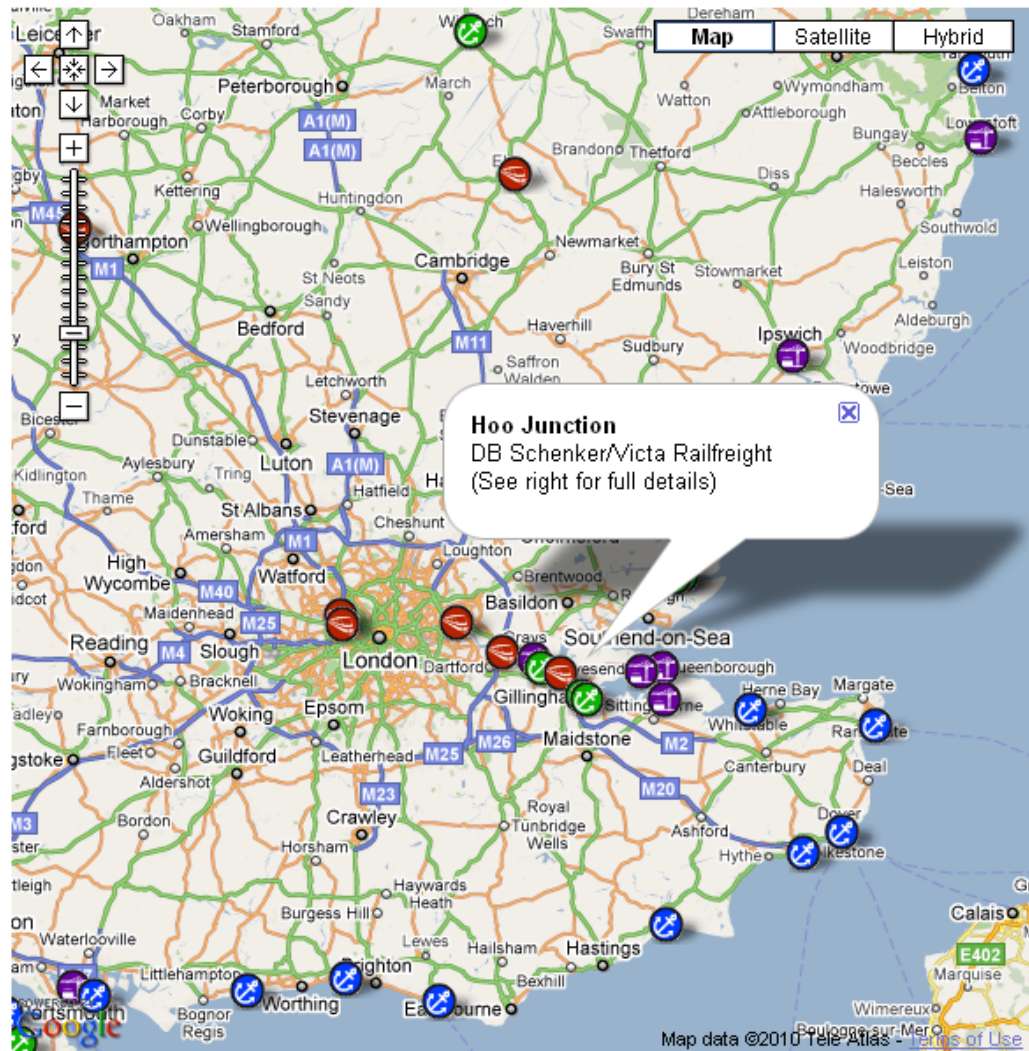
Click on a site for more information.

Show me:

- Rail Terminals 
- Ports (sea) 
- Ports (river) 
- Rail Connected Ports 

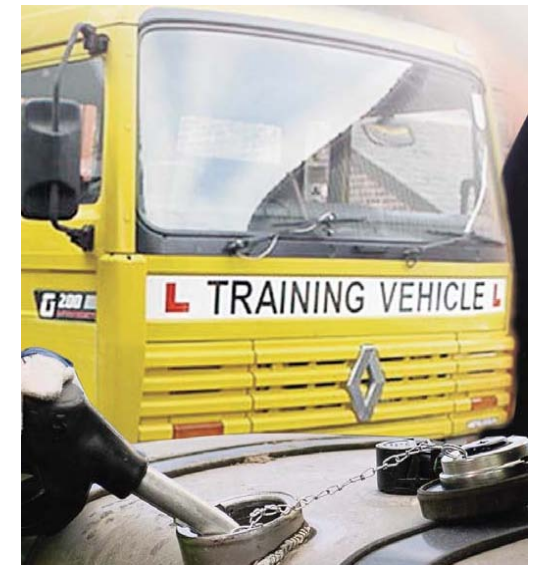


Interested in moving freight by multi-modal transport? Download the Freight Best Practice Guide, [Choosing and Developing a Multi-modal Transport Solution](#).



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# External Benchmarking



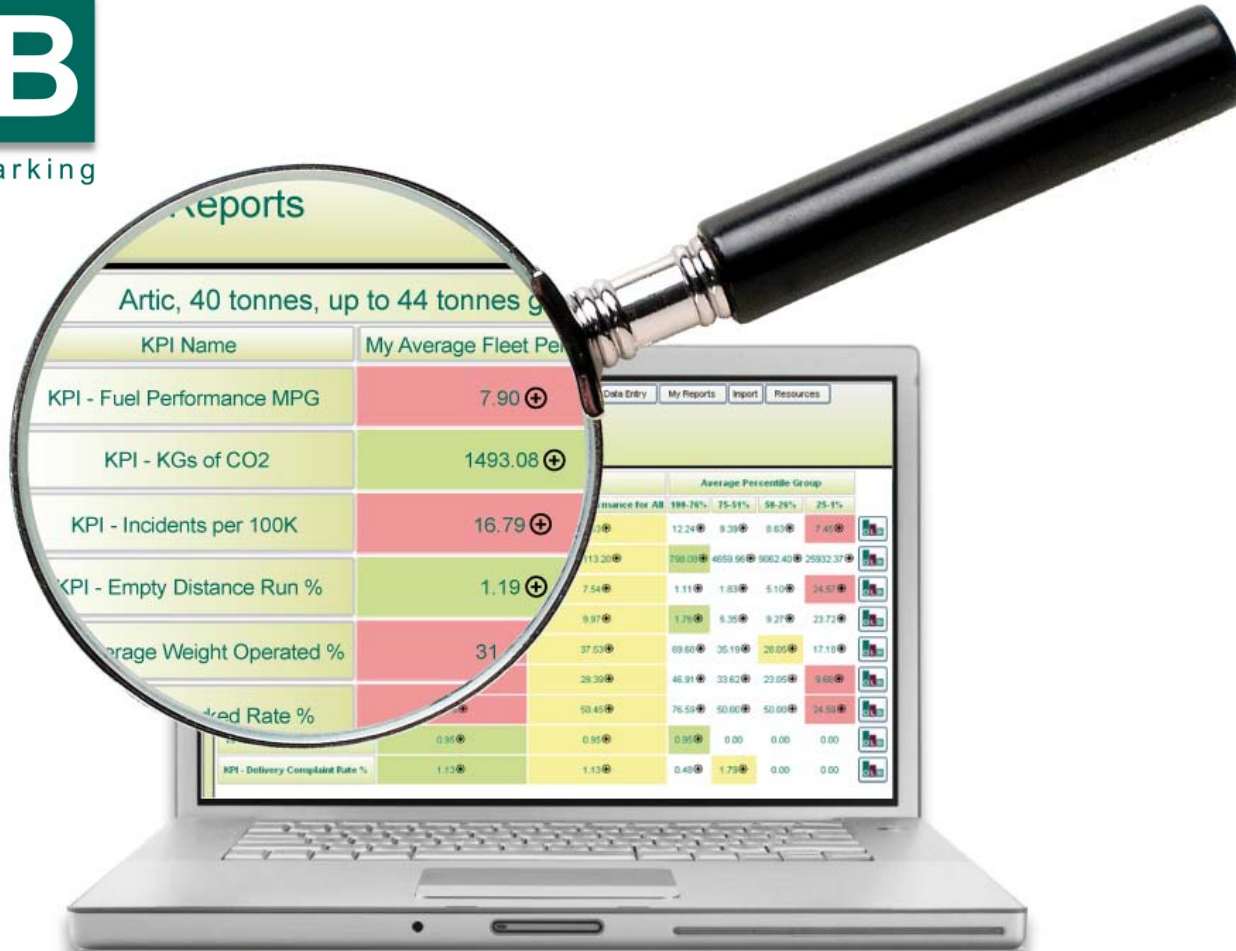


## Specification

- Provide an **Internet** based 24/7 system
- Allow continuous **external** and **anonymous** comparisons
- **Secure** data transfer and storage
- Compare range of KPIs including **MPG & Safety**
- **Instant** results and comparisons



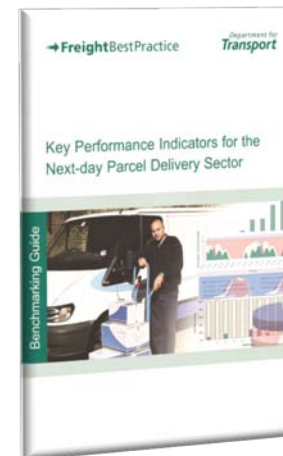
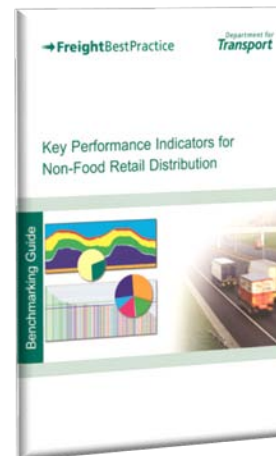
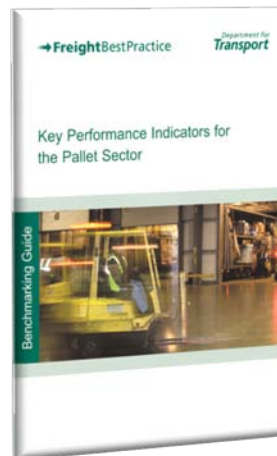
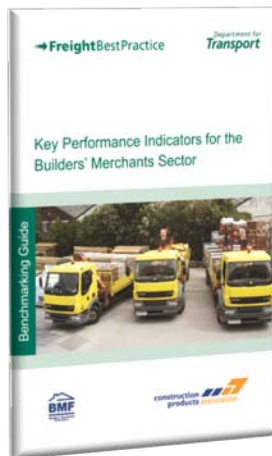
# ← Freight Best Practice





## Transport Diversity

- Road Transport Industry is diverse
- Each sector has its own part to play in reducing emissions
- Programme recognises diversity



# Carbon Emissions from Diesel

→ 1 Litre Diesel **FUEL** consumed = **2.64kg**  
**CO<sub>2</sub>**



= CO<sub>2</sub>

## Case Study Examples

### → Small Fleet Performance Management Tool (SFPMT)

- A1 Paper
- 11 HGV vehicle fleet
- Measured performance & set targets
- A1 Paper saved over £13k and 38t of CO<sub>2</sub>

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Department for  
**Transport**

Small Fleet Performance Management Tool (SFPMT) helps A1 Paper improve efficiency

Case Study



**Company:** A1 Paper Plc  
**Location:** West Midlands  
**Fleet Size:** 11 vehicles (four 18 Tonne, two 7.5 Tonne and five 3.5 Tonne)

## Case Study Examples

### → Tesco Sets the Pace on Low Carbon and Efficiency

- The retailer made considerable savings
- Twin goals of lower carbon emissions and greater operational efficiency
- Multi-modal element
- Tesco successfully reduced its carbon footprint by 10.2% in 2007

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**Transport**

Tesco Sets the Pace on Low Carbon and Efficiency

Case Study



## Case Study Examples

### → IT Systems at Marshalls Pave the Way for Operational Efficiency

- Modernisation of vehicles and equipment
- Implementation of a fuel management system
- Improved operational efficiency
- Saved 338,000 road miles per annum
- Saved over 190k litres of fuel
- Saved 515t of CO<sub>2</sub>

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IT Systems at Marshalls Pave the Way  
for Operational Efficiency

Case Study



Company: Marshalls  
Location: 12 Depots, Nationwide  
Fleet: 103 Vehicles

## Case Study Examples

### → Engine Idling – Costs You Money and Gets You Nowhere!

→ Selection of larger operators

→ Lloyd Fraser Group Plc

→ Allied Bakeries Ltd

→ Ralph Colman Int. Ltd

→ Leggett's Transport Ltd

→ Anti-Idling Campaigns


→ Saved 170t of CO<sub>2</sub>

→ 5% Improvement in MPG

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**Transport**

Engine Idling - Costs You Money and Gets You Nowhere!

**Case Study**



Companies Involved:

- Lloyd Fraser Group Plc
- Allied Bakeries Ltd
- Ralph Colman International Ltd
- Leggett's Transport Ltd



## Case Study Examples

### → Keeping Profit on Track with Wheel Alignment


- Features Kidds Transport and CRL Distribution
- Kidds report:
  - Fuel savings of 3.8% - 18.6% on articulated lorries
  - Fuel savings of 3.0% - 11% on rigid lorries
- CRL report:
  - Increase of 100% in Steer Tyre life

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Keeping Profit on Track with Wheel Alignment

Case Study



Company:	Kidds Transport	Company:	Co-operative Retail Logistics Distribution
Location:	Lancaster	Location:	Wakefield
Fleet Size:	30	Fleet Size:	30

## Case Study Examples


### → Owner Drivers and Small Fleet Operators

- 3 small fleet operators
- NRD Transport (owner driver):
  - 15% improvement in MPG
  - £3k per annum fuel saving
- Logiq UK Ltd:
  - 10% improvement in MPG
  - £12k per annum fuel saving
- Riverford Organic Vegetables Ltd
  - 9% improvement in MPG
  - £53k per annum fuel saving

→ FreightBestPractice Department for Transport

Owner Drivers and Small Fleet Operators  
Simple, Cost Effective Ways to Improve Efficiency

Case Study

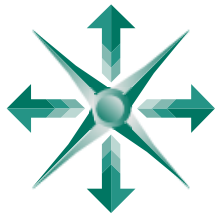


Companies Involved: N.R.D Transport  
Logiq UK Ltd  
Riverford Organic Vegetables Ltd



## Achievements

- *So what has the programme achieved?*
- 600,000 tonnes of CO<sub>2</sub> saved in last 3.5 years
- Industry savings of £170m
- Average fleet saving of £20k
- Average vehicle saving of £2k
- Independent Impact Assessment Results



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