



MULTI INITIATIVE  
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ACCESSIBILITY  
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ENVIRONMENTS

# Low Carbon Vehicle Partnership Bus Working Group

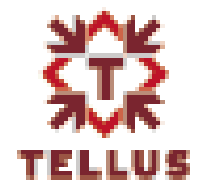
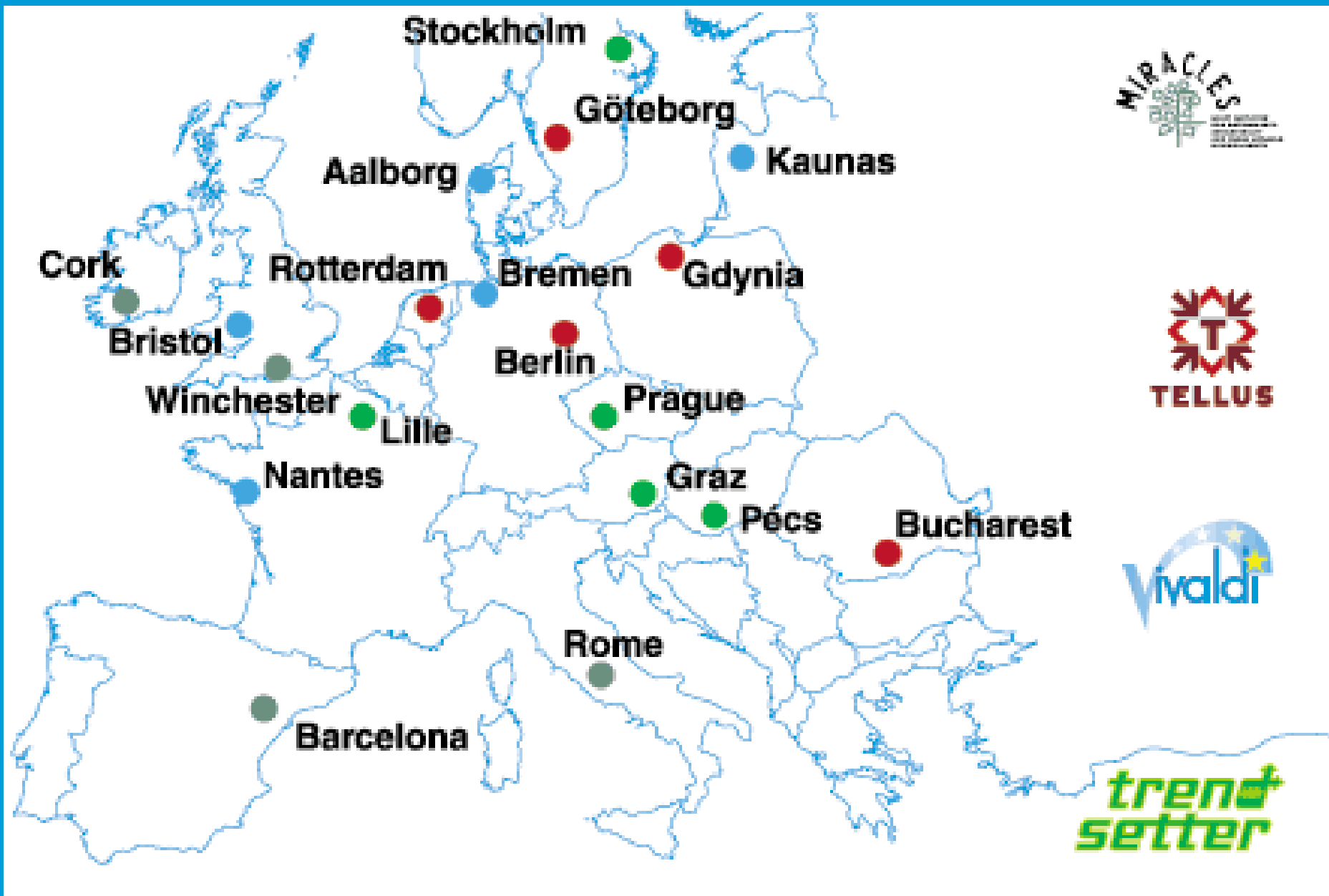
2 June 2005

Andy Wren  
Site Leader



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# CIVITAS Cities







# Barcelona











# MIRACLES Workpackages

- WP1 Project Coordination
- WP2 Integration, monitoring and technical management of demonstrators
- WP3 Dissemination
- WP4 Evaluation
- WP5 Access restrictions
- WP6 Integrated pricing strategies
- WP7 Collective Passenger Transport
- WP8 New forms of vehicle use
- WP9 New concepts for the distribution of goods
- WP10 Innovative soft measures
- WP11 Integration of transport management systems
- WP12 Clean public and private fleets







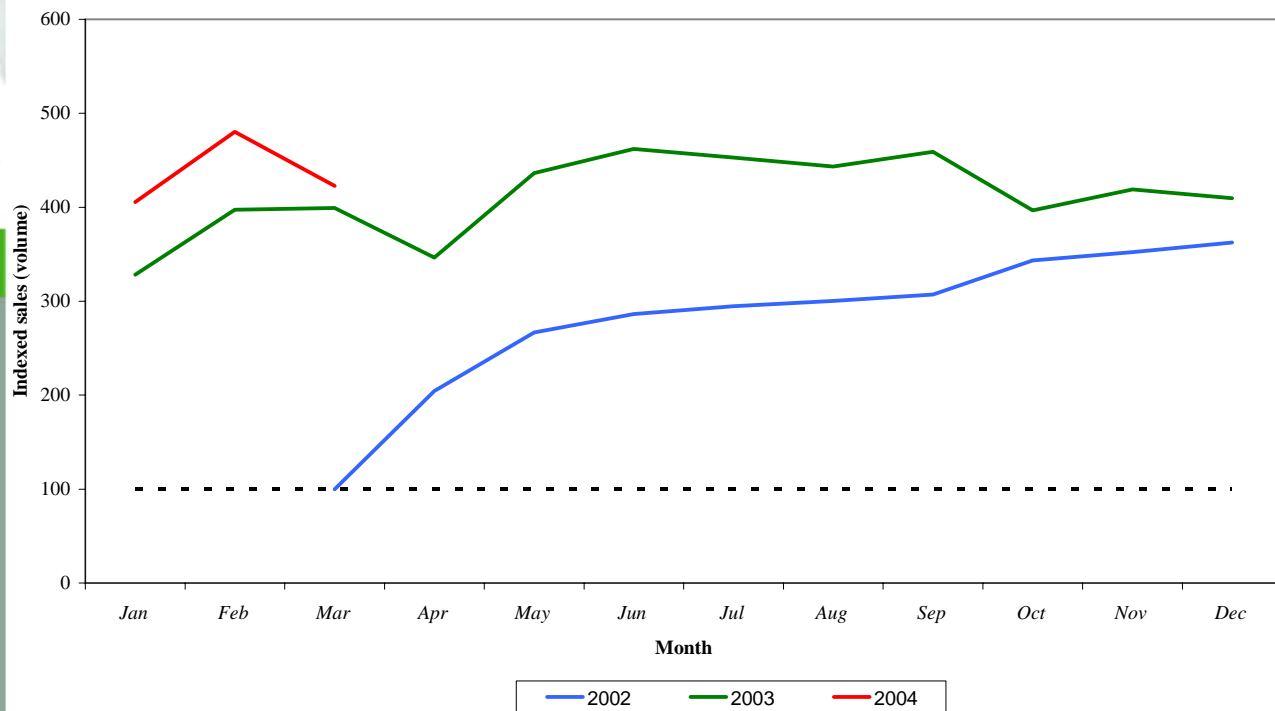




# Winchester baseline – Energy Fuel sales

Year by year comparison of volumes of AUTOGAS (LPG) fuel sold at SHELL WINNAL petrol station (indexed)

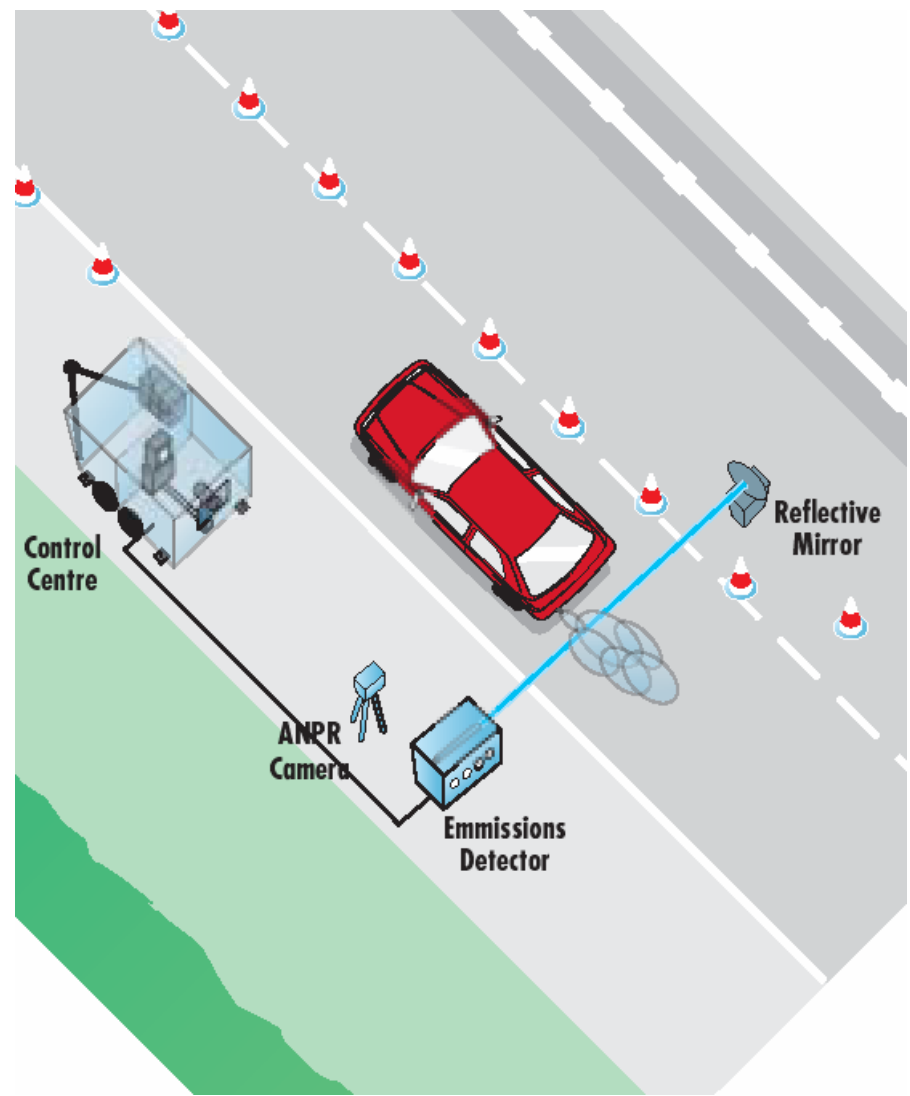
Based on daily average of volume sold by month







# Site set up



























## WP 8 New forms of vehicle use

### Aims

- To demonstrate a Bikeabout scheme
- Increase the level of cycling in Winchester
- Support the uptake of electric bicycles
- Introduce new additional cycle parking

### Objectives

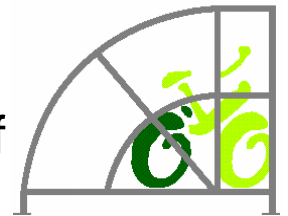
- Contribute to the quadrupling of cycling by 2012 (compared with a 1996 base)
- Stimulate sustainable transport for tourist and residents
- Support the uptake of electric bikes

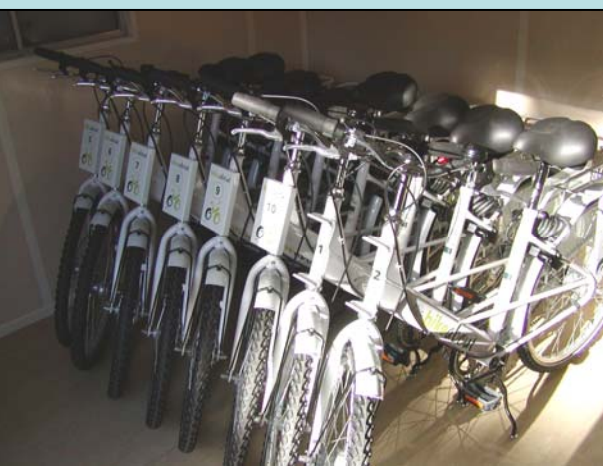


## WP 8 New forms of vehicle use

### Achievements

- Initial user survey and report completed
- Three new cycle schemes completed
- Ten bike pilot trial with University College Winchester
- Installation of compounds at University College and Winchester railway station
- MIRACLES Bikeabout scheme launched at Winchester Bike Fair, 40 bicycle scheme
- New updated Winchester cycle map produced
- Electric bikes available for HCC staff
- Trail of electric scooter undertaken





# bikeabout

Borrow a bicycle for **free**

01962 847474

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



#### Application information

Bikeabout bicycles are free to borrow and are available to anyone who over the age of 18.

To register as a Bikeabout member you will need to complete an application form and provide a current proof of your address.

A single administration charge is payable to Hampshire County Council.

Individual membership (single user) £15  
Joint membership (two users) £25

Multiple User membership discounts are available for three or more members. (Priced on request)

For more information on

**Bikeabout** contact

01962 847474 or visit

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

# bikeabout

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## WP 9 New concepts for the distribution of goods

### Achievements

- Surveys with shops and businesses and freight carriers and couriers completed
- Freight guidance map completed
- Alternative Collectpoint delivery service implemented and locker bank trial planned
- Trial underway involving recyclable waste collection, using electric van



MARKS & SPENCER



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# WP 9 New concepts for the distribution of goods







# 9<sup>th</sup> Winchester Bike Week

12 – 20 June 2004



Cycle Cavalcade sponsored by PORTSWOOD CYCLES

**CiViTAS**  
Cleaner and better transport in cities

visit our website: [www.winchester.gov.uk](http://www.winchester.gov.uk)

# 8<sup>th</sup> Winchester 'Alternative Transport Day'



Wednesday  
22 September 2004  
High Street,  
Winchester  
10.30am – 3.00pm



Sponsored by  
**Mott MacDonald**  
and  
**ATKINS**

Supported by  
**Winchester City Council**  
and

**CiViTAS**  
Cleaner and better transport in cities

**MIRACLES**



Visit our website: [www.winchester.gov.uk/onthemove](http://www.winchester.gov.uk/onthemove)

## WP 10 Innovative soft measures and awareness programme

- MIRACLES sponsored and exhibited at the following events:
  - 8,9 & 10<sup>th</sup> Winchester Bike Week, in June 2003/4/5
  - 7,8 & 9<sup>th</sup> Winchester 'Alternative Transport Day' in September 2003/4/5









- About MIRACLES
- Cycling
- Parking discounts
- Vehicle emissions
- Vehicle trials
- Delivery of goods
- Public transport
- Traffic Info
- CIVITAS
- Links
- Contact us

## Welcome to MIRACLES



project are:

**MIRACLES** is a demonstration project co-funded by the European Union that involves the cities of Winchester, Rome, Barcelona and Cork. The objective is to reduce air pollution and transport congestion, and also provide cleaner and better public transport.

The key concepts of the **MIRACLES**

MIRACLES news

**Parking DISCOUNTS**

**Air Quality Action Plan**

**'BIKEABOUT' reduced winter opening hours**

**Free Vehicle Trials**



# MIRACLES

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Cheaper rates for drivers of low emission cars

# Parking miracle!

By Chris Semple

A GROUND-BREAKING scheme to save both the environment and motorists' wallets has been unveiled in Hampshire.

The scheme sees drivers of low emission cars offered cheaper parking fees in a bid to reward vehicle owners who actively help lower harmful greenhouse gases.

This move, by both Hampshire County Council and Winchester City Council, sees any vehicle with CO2 emissions of 120g per km or less offered parking season tickets with up to a 75 per cent discount.

With prices for permits in the city approaching £100 a year, the scheme could see motorists who own one of the 60 or so eligible vehicles save hundreds of pounds each year.

Mainly driven with electric or hybrid motors fans even better by qualifying for completely free parking.

Last month the Daily Echo revealed that air pollution in the region had increased by more than 300 per cent in the past year.

Environmental experts identified six areas in Southampton, Winchester and the New Forest where air quality is particularly bad. These included roads in



**CHEAPER PARKING:** David Pounds was one of the first people to benefit from the Miracles parking scheme at St Peter's car park, Winchester. (Inset picture by Chris Moulhouse. Order no: 0305)

Winchester city centre and parts of Southampton.

A big rise in the number of cars on the country's highways combined with rising temperatures were blamed for the problem. The alarming figures showed an increase in harmful gases including ozone, sulphur dioxide, nitrogen dioxide and carbon monoxide.

This latest scheme is part of HCC's wider MIRACLES initiative, a project aimed at improving environmental sustainability and city centre accessibility.

Speaking at the project launch, Councilor Richard Knapp, the county council's executive member for the environment, said: "We want to support and encourage the take-up of environmentally friendly cars."

A historic city like Winchester struggles to cope with modern traffic demands and pollution and

the MIRACLES project is successfully demonstrating how this environment can be protected."

One of those already benefited is David Pounds who drives to Romsey to Winchester to work. He said: "We got the car new in May because it was very fuel efficient. It qualified for a discount which works out at £488. It's a great idea."

To find out more call 01962 847474 or visit [www.hcc.gov.uk/miracles](http://www.hcc.gov.uk/miracles)

# Local Press Coverage

## Children's art focuses on air pollution

W. ECHO P6 20/7/04

# focuses on air pollution

CHILDREN in Winchester are being invited to take part in an art project aimed at highlighting pollution in the city.

The project has come about thanks to a city-wide initiative, the Miracles Project, which aims to make Winchester a more sustainable and environmentally friendly future.

Young people are being asked to produce work which highlights the impact of pollution throughout the city.

Guidhall art gallery will display art from August 1 to 8 in partnership with W City Council and bus operator Stagecoach.

The winner will receive a £200 discount on their school's art department and a trip with Stagecoach on the theme of low transport.

Hampshire County Council's executive member for the environment, Councilor Estlin, said: "Together with Stagecoach

working through a programme of bus replacements and improvements will reduce these emissions, leaving W with one of the cleanest bus fleets in the country."

"Bringing environmental concern to the attention of our city's children and young people will help ensure a cleaner and greener future. This is also a wonderful opportunity for the children to have their art put on display."

Part of the project is to bring to public attention alternative methods of transport and to encourage car to try out.

He said: "I am pleasantly surprised with its performance, which I had expected to be a bit below par. In fact there is no discernible difference."

"My other potential concern was the possible complications of refuelling, which proved to be unproblematic."

The air quality in Winchester has deteriorated in recent years, although many people who live or work in the city are unaware of the problem because it is largely invisible.

Jim is delighted to be able to help prove that there are other forms of viable fuel available that reduce vehicle pollution.

Even more importantly for local businesses these cars cost less to run (under 50p per litre) than some performance and efficiency cars.

For more information contact Jim Sawyer at Palmer Fry on 01962 847667.

Alternatively ring the MIRACLES project's Katy Morton on 01962 847668.

Young & Rutliff brought in to the City Centre...

## 'Green' way to travel



THE emphasis was on green travel when Winchester staged an Alternative Transport Day yesterday.

Exhibits included GoInGreen's Reva G-Wiz, which is said to be the most energy-efficient and environmentally-friendly car in Britain.

Winchester's Mayor Cecily Sutton (pictured above) had a chance to take the wheel when she toured the show.

A number of bicycles were also on display, along with two Greenpower electric racing cars produced by St Swithuns School.

## 'Never miss postman' with Collectpoint parcel trial

A NEW scheme aimed at ensuring you never miss the postman delivering a parcel to your door has been launched in Winchester.

The ground-breaking service, called Collectpoint, allows people to designate one of ten secure pick-up points across the Winchester district as alternatives to having parcels delivered to their door.

Then, rather than re-arrange their day to wait for the postman to knock, customers can pass by the pick-up points on their way home from work and collect their goods.

So far five collection points in Winchester have been set up, with people able to direct orders made over the phone or on the Internet to be dropped off at one of the sites.

For the initial ten-week trial period, the five Collectpoints are: Arrow News on Jewry Street, Stanmore News on Cromwell Road, Stanmore Convenience Stores on Wavell Way in Stanmore, One Stop on Garbett Road in Winnall and Londis on Fraser Road in Kingsworthy.

The idea is being launched as part of Hampshire County Council's MIRACLES project, which is charged with improving Hampshire's cities and making them more environmentally friendly.

For more information, call 01962 847474.

Thursday, August 26, 2004 • www.winchesteradvertiser.co.uk

BUSINESS SOUTH



## Jim's greener car is a MIRACLE in gas

HAMPSHIRE County Council invited Jim Sawyer, from Palmer Fry Commercial Property Consultants, who frequently uses a car for property inspections and viewings, to use an environmentally friendly way of getting around.

Called the MIRACLES Project, it's a Hampshire wide scheme aimed at improving the air quality of our urban environment through transport related measures.

Part of the project is to bring to public attention alternative methods of transport and to encourage car to try out.

He said: "I am pleasantly surprised with its performance, which I had expected to be a bit below par. In fact there is no discernible difference."

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# Electric bus dreams are nearing reality



SHAPE OF THINGS TO COME? The hybrid electric bus.

By **Andrew Napier**  
andrew.napier@soton-echo.co.uk

IT might not be as striking as an intergalactic spaceship but this humble bus could be the future of Hampshire's public transport.

A hybrid electric bus is being trialled by Stagecoach in Winchester on the city's park-and-ride until the weekend as part of a nationwide experiment. The single decker runs emission-free and special braking technology means the batteries on the bus are charged when brakes are applied. The bus has 30 seats and space for 30 standing passengers. Stagecoach is working with Hampshire county and Winchester city councils to trial new technology as part of the Miracles environmental initiative.

Previously hybrid electric cars were unveiled, through the project, on an alternative transport day in the city. The city council has since offered free parking for drivers of any fully electric cars and a 50 per cent discount to anyone driving a hybrid electric car in the city. A spokesman for the county council said: "The electric bus is the way forward for our towns and cities." Nigel Deacon, managing director of Stagecoach in Winchester, said: "It's incredibly popular."

# Local Press Coverage

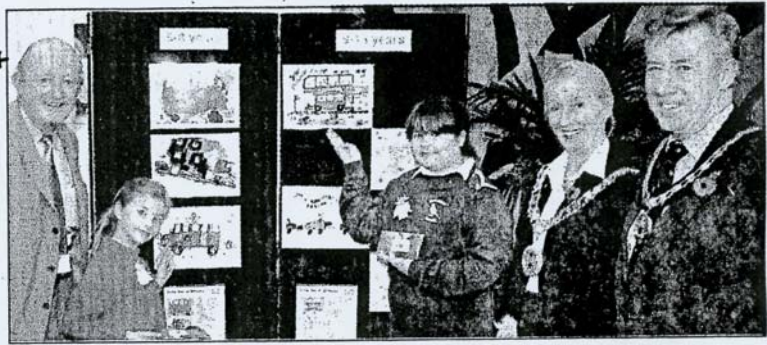
## Top-draw bus art

W. ECHO 29.11.04 P7  
CLEAN and happy buses were the inspiration for prize-winning children's art.

Youngsters from Compton All Saints CE Primary School and Owslebury Primary School won gift tokens for their pictures of green public transport in a county council competition.

More than 200 pupils entered the competition. After whittling the entries down to seven finalists, the public voted for their favourite pictures.

The two winning schools received a £200 voucher for art materials and Compton school also won a class day trip courtesy of Stagecoach.



**ARTISTIC ACHIEVEMENT:** Councillor Keith Estlin, Hampshire County Council executive member for the environment, county council chairman John Bryant and Winchester mayor Cecily Sutton with prizewinners Lilli Davies (red top) and Christina Lewis.

# Working Miracles

Driving a Miracles car was a dream. It was smooth, quiet, comfortable, fast and good for the environment.

The Volvo S40 Miracles car has two fuel tanks - one for LPG - Liquid Petroleum Gas - and the other for unleaded petrol. A button on the dashboard enables the driver to change from gas to petrol but should the LPG run out, then the car automatically switches to petrol.

I ran the car solely on LPG. The Shell garage at the top of Winnall Manor Road, Winchester, sells it and there are more around than most people would think - there are two in Southampton, for instance.

The car came with a list of all the LPG stations across the country so you could always look up the nearest one.

There is a knack to getting the

As acronyms go, "Miracles" is possibly one of the most contrived.

It stands for Multi-Initiative for Rationalised Accessibility and Clean, Liveable Environments.

A quite forgettable mouthful, it's the name of a Hampshire County Council project that seeks to reduce pollution by tackling the problem in a variety of ways.

One approach is to encourage the use of "alternative energy" vehicles and

nozzle in but it's not difficult. Then there are the benefits. LPG is half the price of petrol, for a start, and the car runs incredibly quietly on it.

Carbon dioxide emissions are significantly lower than most petrol or diesel-fuelled cars, which is better for the environment and for air quality in general - and fuel economy is good.

Andy Wren, manager of the Miracles project, said: "All the feedback has been positive. People feel they can save money by driving these vehicles because the fuel is cheaper and this reduces running costs."

"There is nothing unusual about these cars and people are pleasantly surprised when they realise they are no different."

that's why the council has used Euro-funding to buy two electric/petrol hybrid cars, two battery-powered vans and two LPG-powered cars.

Because Winchester is currently Hampshire's only designated "Air Quality Management Area", firms and organisations there are being offered a month's use of one of the vehicles.

Reporter, Louise Glyde, couldn't wait to leave her own 13-year-old banger at home and try a dual-fuel Volvo S40.

"Hopefully, we can overcome the fear factor that goes with trying something different and people may consider buying an environmentally-friendly car when replacing their own or part of their business fleet."

"Over a third of all pollution is caused by transport, so if we can clean up the vehicles we use, it will have a major impact."



Miracles project assistant, Frankie Dunkley, with the dual-fuel Volvo S40 which reporter, Louise Glyde, borrowed for a month £400



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# WP11 Improved multi-modal traveller information

## Aims

- The general objective of this WP is to improve network monitoring disseminate improved information to travellers, thereby allowing them to make informed decisions about their travel, whilst also contributing to achieving modal split targets.

## Objectives - to install:

- An ANPR system
- Three new bus departure information screens
- Four new information kiosks
- Four new variable message signs
- Three real-time information displays
- Improved information on ROMANSE on-line
- Information on hand-held devices





# WP11 Improved multi-modal traveller information

## Achievements

- ANPR system installation complete
- Four journey time / travel information air quality VMS now installed
- Four new integrated journey planning kiosks installed in October / November 2004
- New bus departure information systems installed in October 2004
- Improved traffic and travel information on “ROMANSE On-line” completed
- PDAs travel information service launched and will be developed further





## WP12 Clean public and private - Winchester

### Aims

- To break down current barriers to the use of alternative fuel vehicles whether by private or public sector organisations

### Objectives

- Buses
  - Reduce the environmental impact of the public transport fleet
- Municipal fleets
  - Reduce the impact of public authority vehicle activity in the City
  - Establish a business case for the introduction of clean engine technology
- Private fleets
  - To overcome the barriers to the introduction of cleaner vehicles













## Task 12.2 Clean Municipal Fleets

### Achievements

- Purchased 7 LPG and 30 Euro IV fleet vehicles
- New fleet management and fuel monitoring systems installed in January 2004
- Initial consultation with Motorvate (a government sponsored best practice “green fleet” programme) in December 2003
- MOTORVATE site visit in April 2004
- MOTORVATE have analysed the County Council’s “grey-fleet” with interesting results



## WP12.2 Clean Municipal Fleets

- Motorvate seminar held 8 December
  - internal group HCC
    - Benchmarking and data analysis
    - HCC grey fleet
    - HTM targets: 12% reduction in CO<sub>2</sub> mileage and 3% in mileage in three years
  - local businesses
    - Increase awareness of sustainable transport, local air quality & MOTORVATE
- Clean vehicle advice and calculators included on Winchester MIRACLES web-site
- Four new Euro IV HCC library buses (discovery centres) fitted with CRT

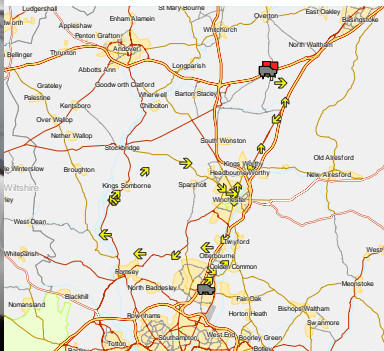




## Task 12.3 Clean Fuel Support Services

### Achievements

- 6 alternatively fuelled vehicles procured
- Pre-trial tests December 2003
- Tracking devices fitted January 2004
- Full trials commenced Feb 2004
- Trial of electric moped December 2003 to February 2004









## Task 12.3 Clean Fuel Support Services



One of our two Citroen Berlingo battery electric panel vans

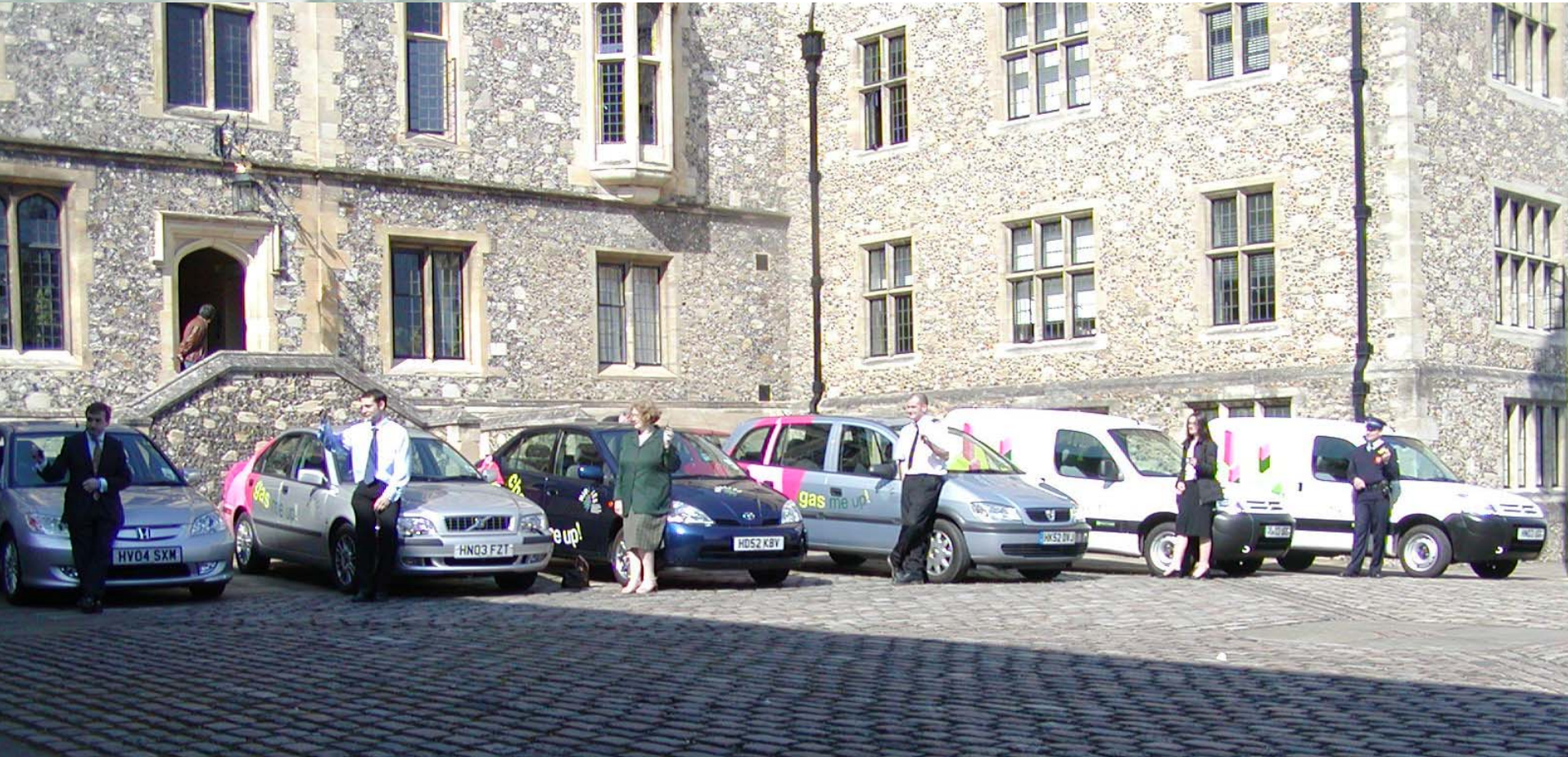


# Task 12.3 Clean Fuel Support Services



Volvo S40 Bi-fuel LPG/petrol car





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# Winchester

