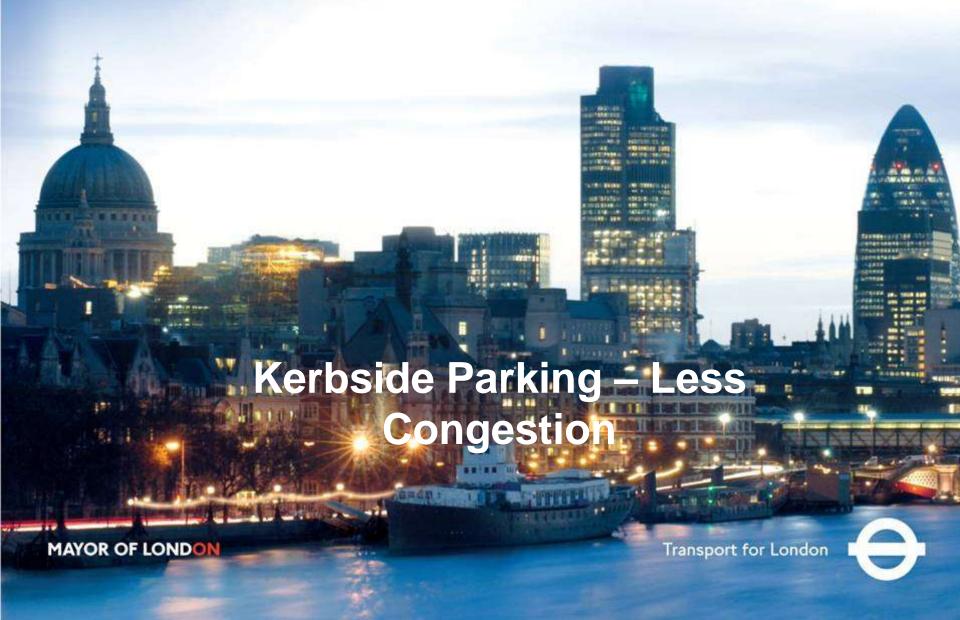
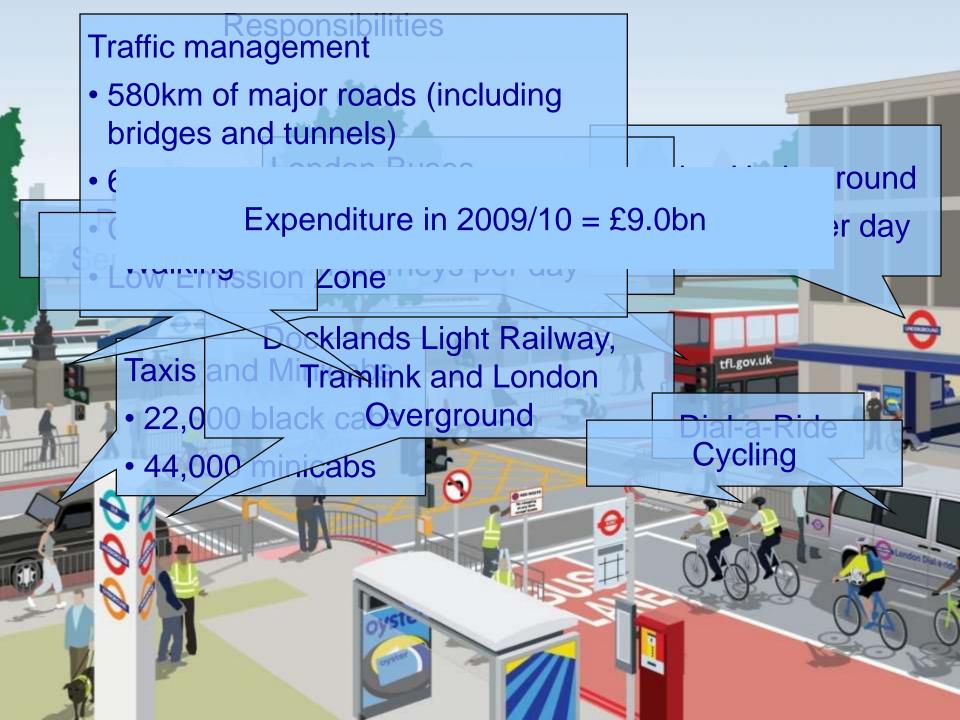
Steve Kearns – Transport for London European Parking Association – 17 May 2011



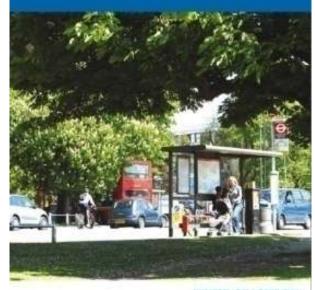




May 3509

Mayor's Transport Strategy

Published for higher consultation with the Lorente Assembly and GLA Group



MAYOR OF LONDON

April 2000

A new plan for London Proposals for the Mayor's London Plan

Othe Spatial Development Strategy for County London) published for initial consultation with the London Assembly and the CLA Comp.



MAYOR OF LONDON

Mar 2000

Rising to the Challenge

Proposals for the Mayor's Economic Development Strategy for Greater London

published for within consultation with the London Amenity and the GLA Group

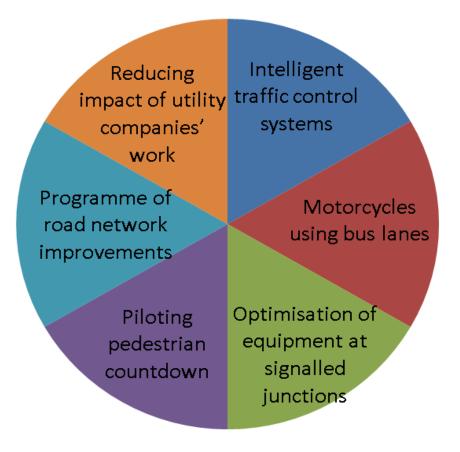








Smoothing Traffic Flow – 6 Major Elements





London Surface Transport Control Centre

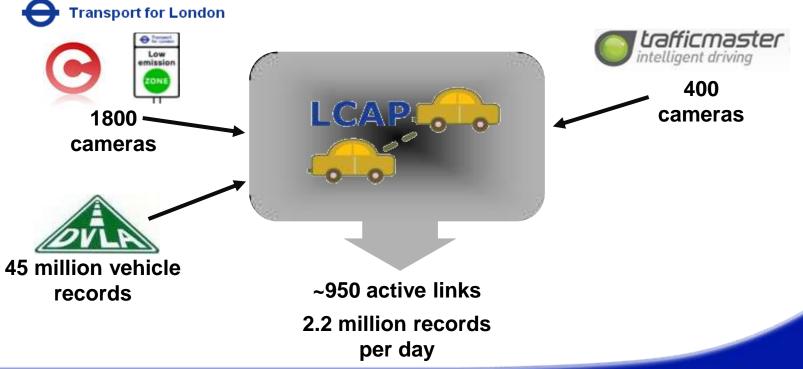




What is LCAP?

London Congestion Analysis Project

A system that takes raw data from available sources of Automatic Number Plate Recognition (ANPR) cameras and turns it into valuable journey time information





Freight – loading and parking

Loading bay reservation system

 Cooperative Vehicle Infrastructure Systems (CVIS) trial of booking system for a freight loading bay



- Exploring how size / weight and stopping / loading restrictions can be made available through sat-nav databases
- Improve availability of dynamic data such as congestion and journey time







CVIS London Test Site

London Trial of CVIS aims to establish whether innovative roadside to vehicle communications can be used to facilitate freight operation.

Evaluation of deployment of CVIS in a mixed-use urban street with real fleet operators and real street operations





Mayor's Transport Agenda

One of the areas that the Mayor wishes to prioritise is smoothing traffic flow

- How does Parking fit in with this?









Key CVIS partners





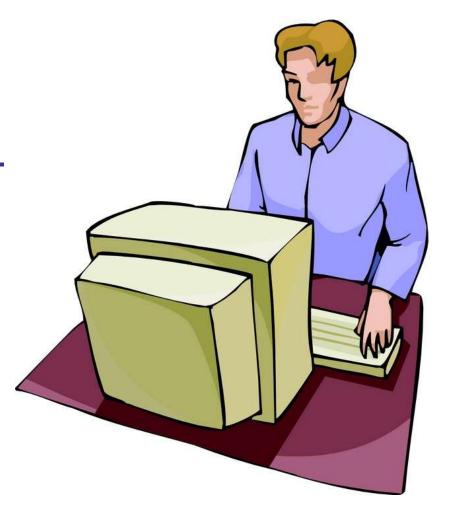
- Transport for London (TfL) London Test site Leader
- Volvo Sweden Application development & Freight Operator booking tool
- Thetis Parking Zone Operator Server
- PTV ETA data
- Logica IPV6 tunnel
- Efkon IR components
- Imperial College Validation







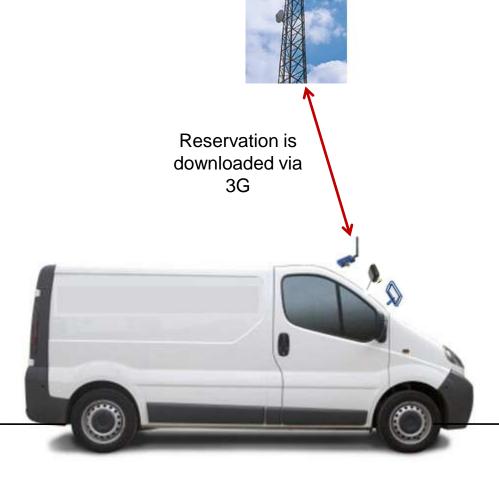
Freight operators make a reservation via the web interface.





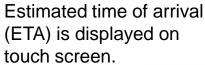


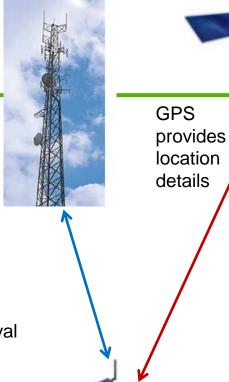






Vehicle approaches loading bay





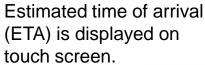
London

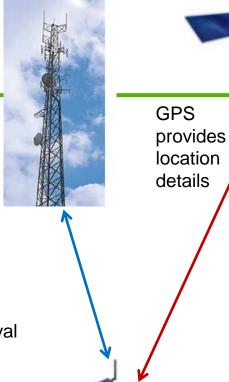
Streets





Vehicle approaches loading bay





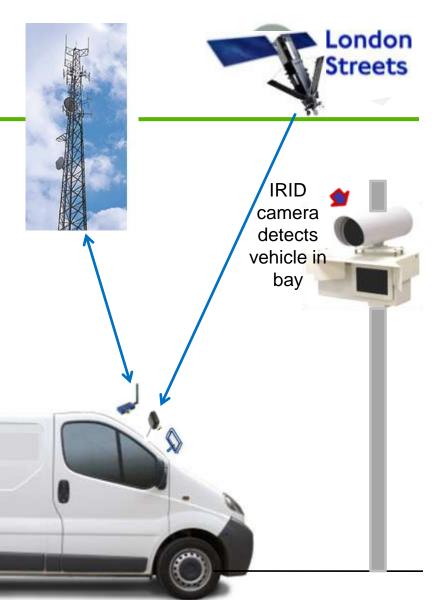
London

Streets





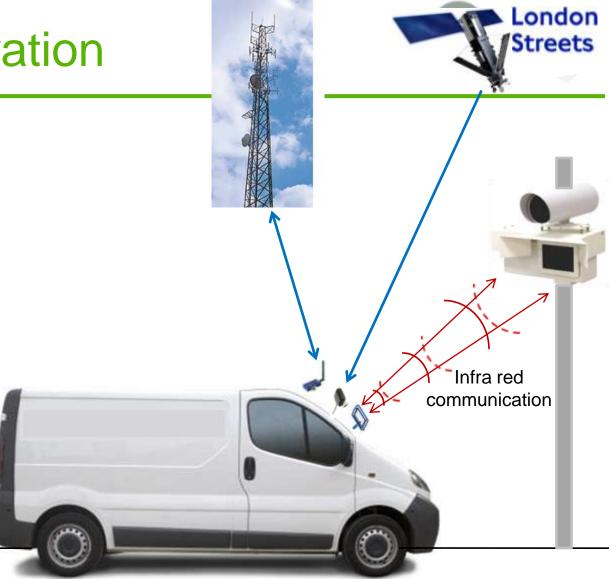
Vehicle arrives in the loading bay



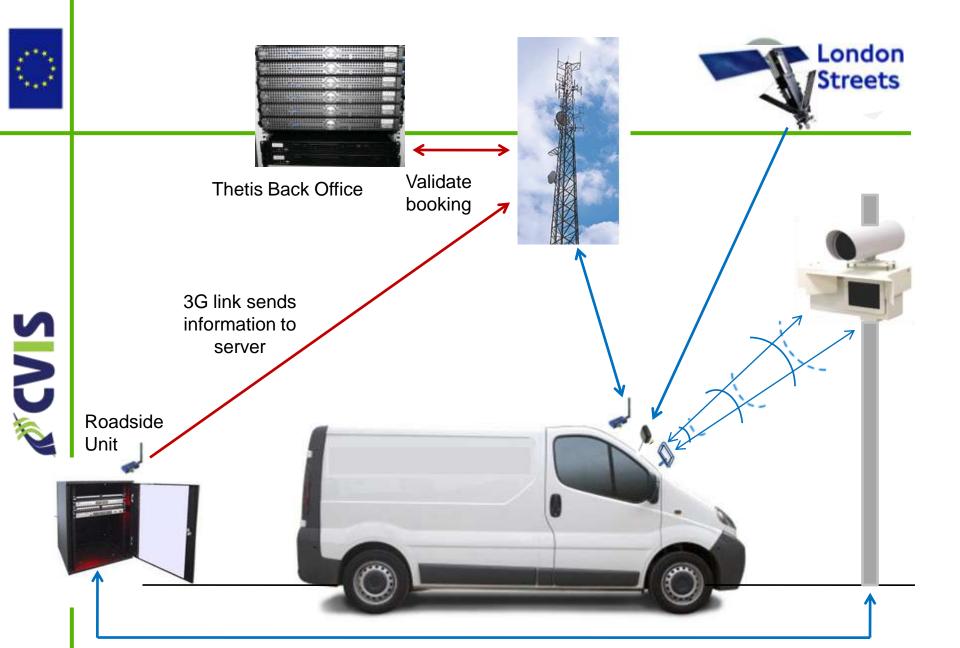




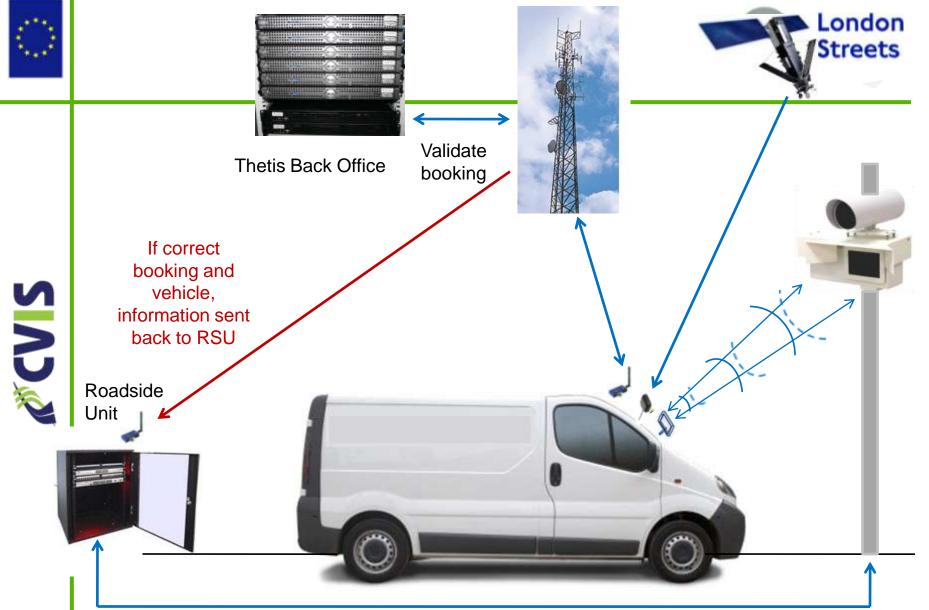


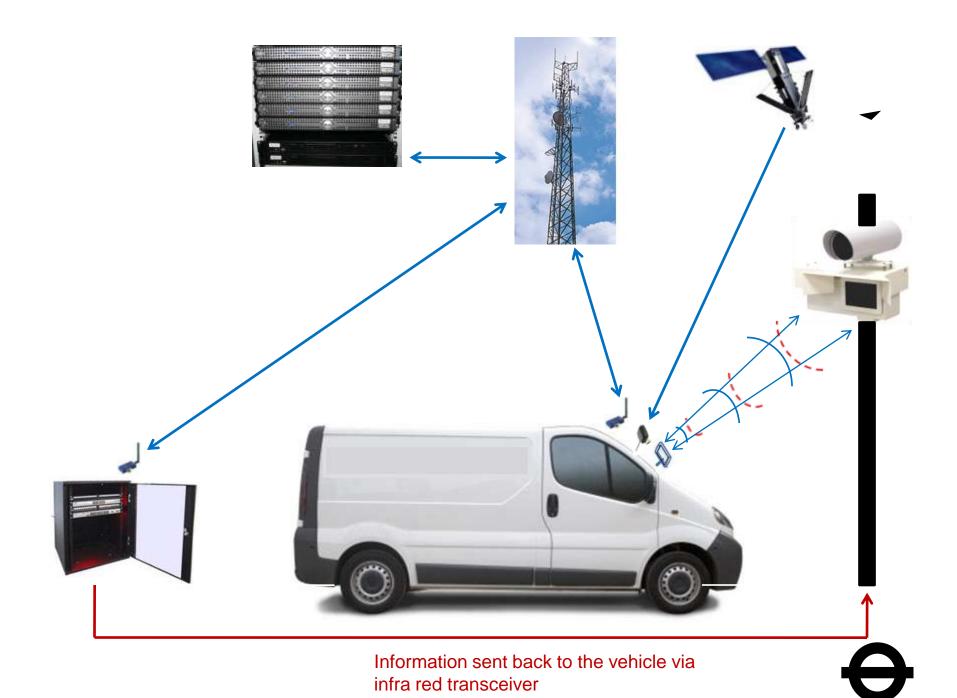


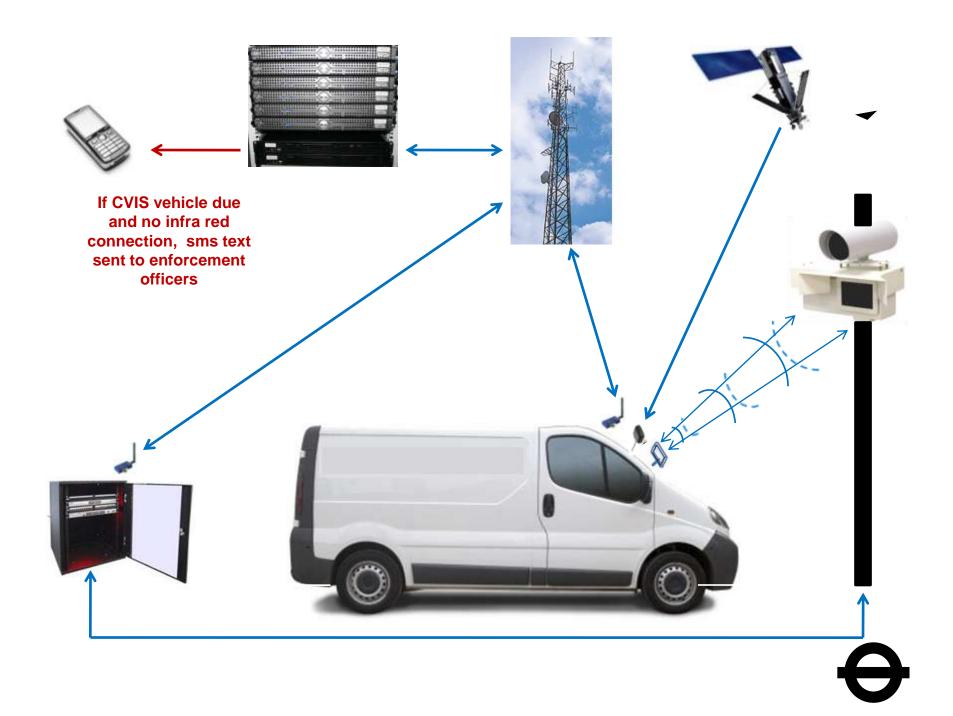












Enforcement











Enforcement







Participants



8 Participants – 10 vehicles.

- Alliance Healthcare
- Coca Cola
- 3663
- Kamkee
- The Barn
- Hallgarten Druitt
- First Quench
- Waverley







Trial Participants













Key Lessons Learnt to date





- Hardware size and reliability
- Power
- Engineering Screen (fault finding)
- Application developers to visit site
- More testing before deployment
 Scalability to a wider area enforcement?

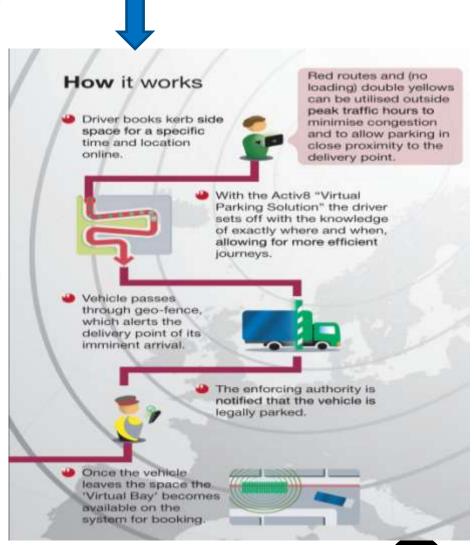
CVIS Roadside Signage





What is a virtual loading bay?

The Activ8VPS System allows the user to book kerb space online for loading and unloading at a particular time and place. This pre-booked space becomes a 'Virtual Parking Bay'. This allows drivers to load and unload in close proximity to their delivery point without causing congestion and without the risk of receiving a PCN.





Benefits of Virtual Loading Bays

Commercial – saves time & money

Councils – better management of traffic flow; reduced number of PCNs

City Residents – reduced congestion

Environment - reduction of CO₂ and other pollutants



Driver training

- First Group trial in 1,000 buses in London using in-vehicle monitoring devices
- Real-time feedback on driving style and driving reports to focus training
- Around 5% fuel saving
- Explore possibility of similar applications for other professional drivers



Congestion and frustration caused by traffic seeking parking spaces

















VMS Signage











GALIPARK FP7 bid 2009

GALIPARK project proposed to develop smart parking management services reducing the distance and time driven in search of a parking space, using **GNSS** positioning for smart onthe-move real time parking information services (off-street and on-street) complementing other information and additional services offered by parking operators





GALIPARK bid 2009

GALIPARK aims at analysing new on-street parking pricing policies, based on the use of robust positioning to measure vehicle location in urban areas -similarly to cordon pricing- where flexible pricing schemes can be defined making use of positioning and timing information.



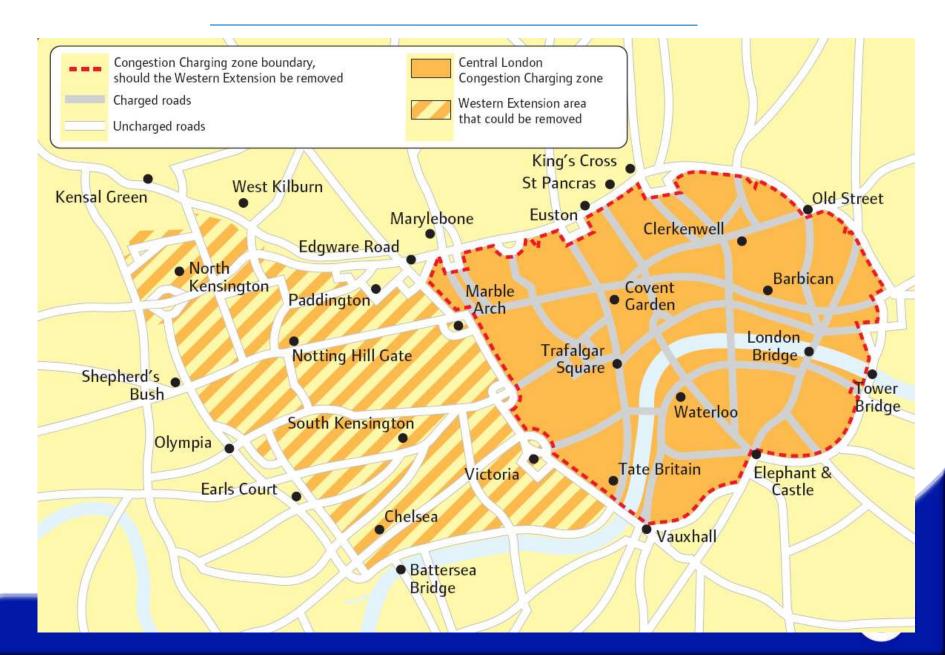


GALIPARK Consortium Members

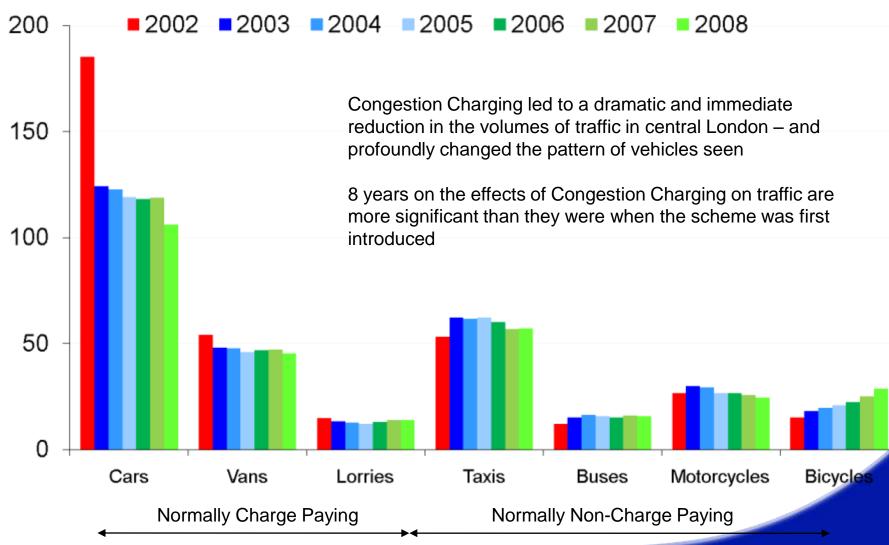
- Grupo GMV
- · SICE,
- European Union Road
- Logos Public Affairs (LOGOS
- MRC McLean Hazel (MRC)
- POLIS,
- Final user segment is well represented in the consortium by private parking operators segment (Q-Park) and public parking operation (Transport for London, Vilnius Transport and their corresponding municipalities) and end-users through the Advisory Board



Congestion Charging



Average daily traffic entering original charging zone*





Charge payment

- Daily, weekly, monthly or annual payment for individual vehicle registration number
- Flat charge of £8 per day (was £5 until July 2005) until midnight
- Monday Friday, 7am 6pm (was 6.30pm until February 2007)
- Pay Next Day introduced June 2006
- Increase to £10 per day (£9 for automatic accounts) in December 2010



London Boroughs



Westminster City Council Parking Rates







Parking On Street

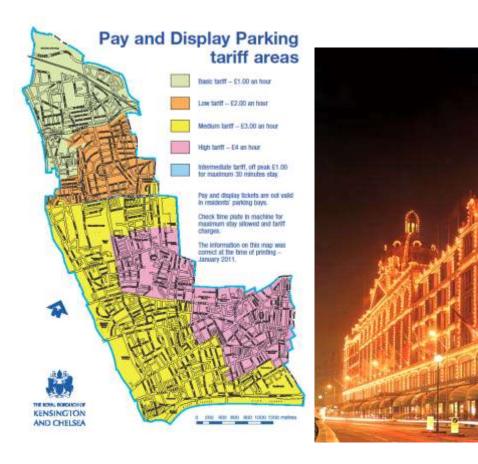
Average £3 per hour – can be up to £4.40 per hour (Usually max 4 hours)

Off Street Car Parks

Up to £5 per hour – generally 24 hour max



Kensington & Chelsea Parking Rates





Professor Shoup









The Project

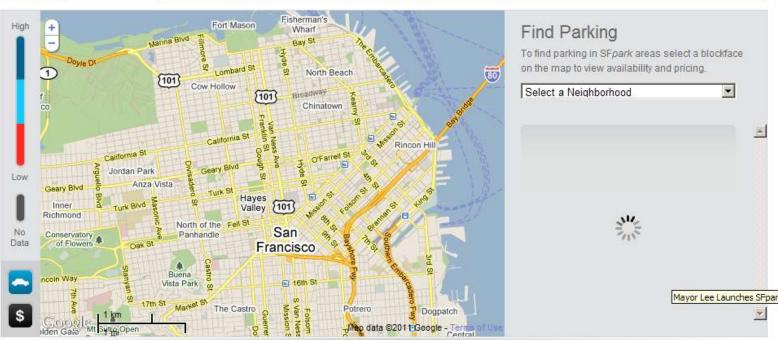
How it Works

FAQ

Resources

News

Contact Us



How does it work?



New technologies and approaches make parking easier and faster. This means less circling and double-parking, leading to cleaner air, safer streets and a clearer path for Muni vehicles.

Play video

Download the parking app



You can now check San Francisco parking availability and pricing information from your iPhone using this FREE downloadable app. Android app coming soon!

Download app

Share This Page











Featured News Rss



Mayor Lee Launches SFpark Project

Posted on 04.21.11 in Data, Policy, Press Releases, The Project

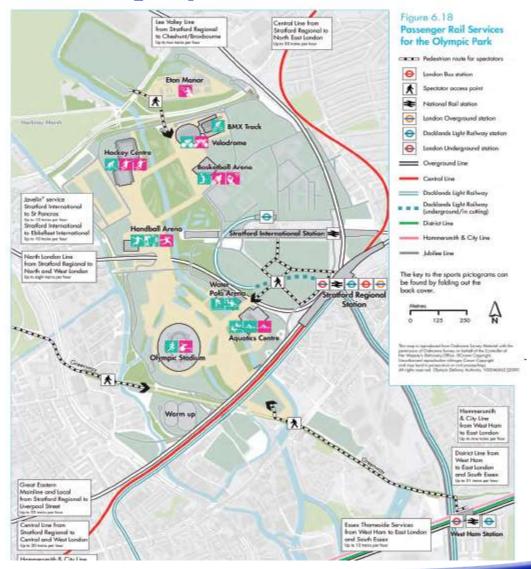
Mayor Edwin M. Lee today joined the San Francisco Municipal Transportation Agency (SFMTA) to announce the launch of real-time parking data for SFpark. This federally funded pilot project run by the SFMTA uses new smart parking management technologies and pricing policies to make it easier and faster to park in San Francisco.



Olympic and Paralympic Transport Strategy



Olympic Rail Services





Stratford International Station





Stratford Regional Station



Stratford Regional Station.

- New lifts and staircases
- Wider, longer and clearer platforms
- A new westbound Central Line platform
- A second upper-level entrance
- A reopened subway



Docklands Light Railway

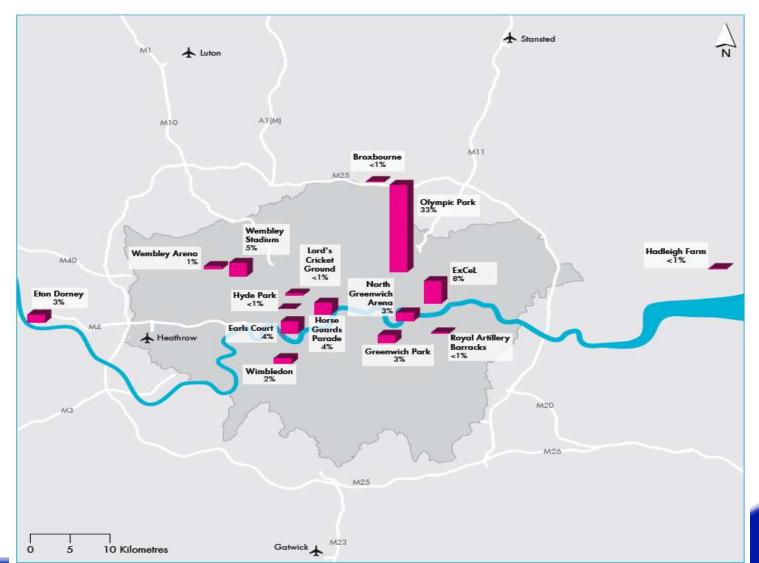


A Docklands Light Railway (DLR) train.

- The first of 22 new railcars cofunded by the ODA are now in service.
- New line extension between King George V and Woolwich Arsenal station – DLR's second crossing under the River Thames – opened in January 2009.
- Second new line extension from Canning Town to Stratford International Station is due to open in mid-2010.
- The DLR has built two new replacement platforms for London Overground to use at Stratford Regional Station.

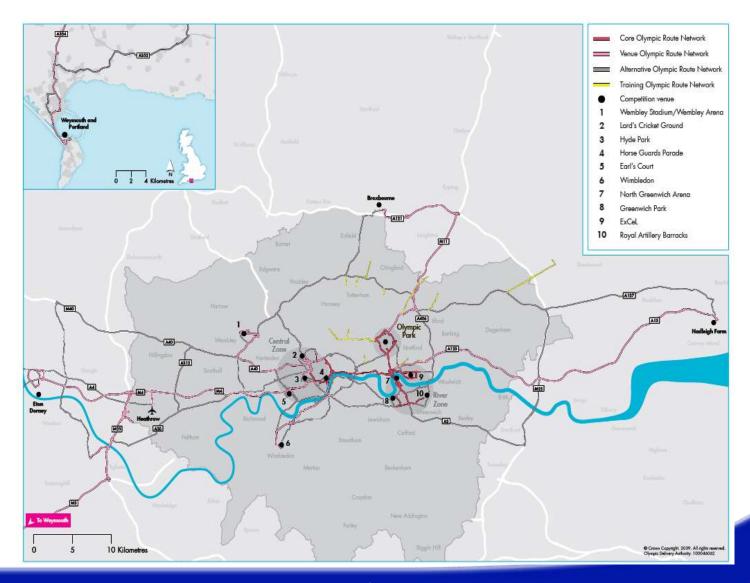


Olympic Venues in London





Olympic Route Network





Future development / Issues for Discussion

Traffic Management challenges in London

- Improved traffic management tools for rapid detection and response to disruption – real time information
- Improved detection of pedestrians and cyclists
- V2V and I2V communications; particularly vehicles searching for parking spaces
- Situational Awareness; leading to a predictive capability



V2V and I2V





Thank you

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