

6th International Bus Conference on Fuelling Public Transport & Study Tour, 5-9 June 2010

UITP is proud to announce its 6th International Bus Conference. After Brisbane and Bogota, the conference is back in Europe. It will take place in the green city of Lyon and will address the topic of Fuelling public transport with one central question: **Do green buses bring more customers?** In line with the public transport strategy of doubling public transport's market share worldwide by 2025, the conference will analyse if green and quality buses can push car users away from cars and attract more customers. It will cover key aspects of fuel choices and consumption, CO₂ reduction, current innovations for attractive buses, and bus systems. Operators, authorities and the industry will gather together to present their best practices, challenges, choices and solutions.

Lyon, France's third city in terms of population and second city in terms of economic growth, has made a success story of the organisation of its public transport. It has received the green label "*Lyon, fair-trade and sustainable city*" and is a leading French business case for a global integrated concept with a system approach for bus, trolleybuses and rail. In the heart of France, on the banks of the river Rhone, Lyon is strategically located with a privileged access to the North and South of Europe, close to Germany, Switzerland and Italy. The economic dynamism and cultural attractiveness of the city make it a perfect location for a successful conference.

Study Tour – Green bus operations in Europe

London-Lille-Paris-Lyon, 5-9 June 2010

Hosted by TfL, Transpole, RATP and SYTRAL

UITP is pleased to offer its members the opportunity to visit these 4 cities and explore the innovations and current operational best practices for bus operations, fuel choices and technologies from world leading companies: TfL, Keolis and RATP. Each city will present its choices for greener fuel alternatives and BHLS operations. The study tour will also take participants to the "Salon de la Mobilité" in Paris.

This pre-conference study tour will complement the technical programme of the 6th UITP International Bus Conference on *Fuelling Public Transport*.

VISIT 1: LONDON HYBRID BUSES

London is the capital city of England and the United Kingdom and is a major global city and one of the world's largest financial centres. London's public transport network is administered by Transport for London (TfL) which is responsible for both the planning and delivery of transport facilities. The bus network is one of the largest in the world, running 24 hours a day.

Facts and figures: the London bus network

- Population: 7,556,900 inhabitants
- Bus fleet: 8,567 buses
- Passenger journeys: 1,793 million/year
- Passenger kilometres: 6,761 million/year
- 700 bus routes
- 90 bus depots

The study tour, hosted by TfL and London Buses will focus on London Buses' **hybrid** and **hydrogen** programmes.

TfL Hybrid programme

TfL is introducing and running hybrids on its network. The first phase of the hybrid programme is complete with 56 hybrid buses in service. The second phase is under way. 300 hybrids will

6th International Bus Conference

The conference is co-organised by Lyon's public transport authority SYTRAL with the support and participation of Keolis. SYTRAL works hand in hand with AREVA for innovation through an industry partnership for renewable energy strategies for the benefit of public transport.

Who should attend? The Conference papers and discussion sessions will benefit bus operators, bus manufacturers, bus body builders and component suppliers, local authorities in charge of transport, consultants, and fuel suppliers, as well as environmental specialists and designers.

Programme highlights:
Keynote speaker: Anne Lauvergeon, CEO, AREVA

The third energy revolution. AREVA'S partnership with SYTRAL for greener mobility.

Lyon: a green city.
Hear about solutions for **clean bus transport in the city** (buses, trolleybuses and hybrids); the relationship between **green buses, quality transport and customers; fuel choices, fuel reduction consumption and CO₂ measurement; SORT**; performance comparisons, update of operational applications, implementation of **electric models**. Get an insight also into the R&D **EBSF** (European Bus System of the Future) **project's** conclusions after 2 years of work on **innovations for attractive sustainable European bus systems**.

Technical visits: get a close look at transport operations in Lyon. Six informative tours are on the menu including visits to a trolleybus depot, trolleybus line C1 and a dispatching centre, Velo'V, satellite navigation system, information technology and displays, and the automatic and driverless metro line D, IFP (Institut Français du Pétrole) and Irisbus bus factory in Annonay.

Full programme and registration at:
www.uitp.org/lyon2010
Benefit from early bird rates: register online by 1 May 2010

be rolled out by March 2011 and a further 500 by March 2012 (Olympics). The latest generation hybrid tests show promising reduced fuel use and emissions:

- 41% reduction in fuel consumption and CO₂
- 40% reduction in NO_x
- 5 dBA noise reduction

Hybrids are considered a key element of TfL's plans to tackle climate change, delivering an 11% reduction in CO₂ emissions from the bus fleet by 2015.

The hydrogen programme

In January 2007, TfL completed a three-year trial of zero-emission hydrogen-powered fuel-cell buses as part of the CUTE (Clean Urban Transport for Europe) project, part-funded by the European Commission. Following on from the success of this project, five hydrogen-powered buses (manufactured by ISE) will join the fleet in 2010. Planning permission has recently been granted for the construction of a hydrogen refuelling facility in east London.

See the first results of experiments and operations with the vehicles.

More info at: www.tfl.gov.uk

Lyon, France, 9-11 June 2010



VISIT 2: LILLE BIOGAS BUSES

Located in the north of France, Lille is the fourth-largest city in France, after Paris, Lyon and Marseille. It is one of the first European cities to experiment with biogas. Tests and experiments started in 1989 when Lille decided to convert its tons of domestic waste into sources of energy.

Facts and figures: Lille biogas buses

- Population: 1,100,000 inhabitants
- 420 gas/biogas buses on 45 lines (92 articulated)
- 73% of urban buses run with gas/biogas
- 100% of buses on line Liane run with gas/biogas
- Metro + Tramway + Gas buses = 80% of Public Transport journeys made with clean vehicles

Mass production of biogas from organic waste and sludge

Lille unveils an innovative plant unique in Europe which transforms organic household waste into biogas. The plant called Organic Recovery Centre is France's first biogas fuel plant. A bus depot has been built next to the centre to fuel up the buses on site. This project is the result of a pan-European research project called Biogasmax, which was launched in 2006 and aims to show that cities can produce high-quality renewable energies from organic waste.

The study tour will include a comprehensive visit of the Organic Recovery Centre and of the BHLS line Liane which runs 100% with gas/biogas buses.

The Organic Recovery centre:

- Capacity: 100,000 tons/year of bio waste
- Partly from organic household waste
- Garden waste collected in recycling centres
- Organic waste produced in municipal markets
- Meal remains from canteens
- Production: Biogas: 4 million m³/year

More info at: www.transpole.fr

VISIT 3: PARIS & the European Mobility Exhibition

Paris, the capital of France and its largest city, is the centre of the French economy, politics, transport and culture. Its metro system was built in 1900 with a total length of 200 km. RATP, the state-owned operator, operates four modes of public transport (metro, tramway, RER, Bus) and transports 10 million passengers per day, one third by bus.

Facts and figures: Paris bus network

- Population: 11,000,000 inhabitants
- Bus fleet: 4,220 vehicles
- Passenger journeys: 952 million/year
- 351 routes
- 15,000 drivers
- 25 bus depots

The visit hosted by RATP will demonstrate the newly designed **BHLS Créalis** and operations of the **Montmartro bus**, the **electric minibuses** running in the historical centre of Montmartre. It will also take you to the "Salon de la Mobilité", the European Mobility Exhibition, edition 2010.

The European Mobility Exhibition

The biennial exhibition gathers key players in public transport and sustainable mobility. The event, officially supported by UITP, will allow participants to find out about the latest innovations and solutions in terms of public transport, get an overview of what's on offer in Europe and listen to professionals debating current Public Transport issues.

More info at: www.transportspublics-expo.com and www.ratp.fr

VISIT 4: LYON TROLLEY-BUSES & BHLS

Lyon is France's third city in terms of population and second city in terms of economic growth. It is located in east-central France in the Rhône-Alpes region and is situated between Paris and Marseille. Lyon is a major industrial centre specializing in chemical, pharmaceutical and biotech industries. Lyon's trolleybus system is the biggest system in France and it includes 38 new generation *Cristalis* trolleybuses running on reserved lanes with priority at crossings.

Facts and Figures: the Lyon bus network

- Population: 1,700,000
- 127 bus lines, 897 buses and 1,271 km
- 8 trolleybus lines, 147 trolleybuses and 35 km
- 73% of traffic is powered by electricity

Participants will visit CERTU, the French centre on BHLS research and findings, for a comprehensive review and presentations on BHLS systems.

As part of the programme of the **6th International Bus Conference**, the visit hosted by SYTRAL, the organizing authority for public transport, will take you on **BHLS trolleybus lines C1 and C2** (under construction) and will show you the operations of the 'super' trolleybus *Cristalis*. Different tours will be on the menu, including a visit to the dispatching centre, the Velo'V, the satellite navigation system, information technology and displays and the automatic and driverless metro line D.

More info at: www.sytral.fr

NOTA: the study tour is limited to 25 participants maximum, members of UITP, on the basis of first registered first in. Don't wait, register now and seize this opportunity.

More information and registration at:
www.uitp.org/lyon2010

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