



Circolare AIIT - Piemonte e Valle d'Aosta - n. 33/maggio 2015

Notizie selezionate e riferimenti ad alcuni documenti pubblicati di recente sui temi del settore dell'ingegneria del traffico e dei trasporti.

1. Fleet of fully electric buses for Park & Ride scheme

- A new fleet of fully electric buses has been introduced at Monks Cross Park & Ride scheme in York following £56k of Green Bus Funding. In total, six new Optare Versas buses have been introduced to the First Group operated Park & Ride scheme. Monks Cross is one of the UK's most well used Park & Ride sites with over 4 million passenger journey recorded annually along with the city's six other Park & Ride terminals.
- <http://www.eurotransportmagazine.com/16170/news/industry-news/new-fleet-of-fully-electric-buses-for-park-ride-scheme>

2. Electric buses are being tested in Gothenburg

- The electric buses will serve route 55 between Lindholmen and Chalmers/Johanneberg in Gothenburg. This new route will be served by three all-electric buses and seven electric hybrids. The Volvo vehicles are equipped with battery packs that can be quick-charged with renewable electricity at their end terminals. Energy consumption of the electric buses is about 80 per cent lower than that of corresponding diesel buses.
- <http://www.eurotransportmagazine.com/16095/news/industry-news/gothenburg-welcomes-volvo-electric-buses/>

3. Car-sharing fleet with Electric Vehicles

- London's DriveNow has expanded its car-sharing service with the addition of thirty BMW i3 electric vehicles (EVs). The BMW/Sixt joint venture offers one-way flexible car-sharing in the North London boroughs of Islington, Hackney, Haringey and Waltham Forest. Following its launch in December 2014, this takes the growing fleet total to 270 vehicles being used across the boroughs, offering residents and businesses a viable alternative to use of private cars with it's on demand, pay per use model.
- <http://www.itsinternational.com/sections/general/news/drivenow-london-expands-car-sharing-fleet-with-evs/>

4. Amsterdam's busses to be electric within 10 years

- Amsterdam has announced plans to become the first city in the Netherlands to operate a fully-electric bus transport system by 2025. The city's bus fleet, which currently runs on diesel fuel, will be gradually replaced with electric vehicles, and the first batch of 40 electric buses will arrive on Amsterdam's streets in two years' time. The city authorities have reached an agreement with Amsterdam's transit operator, GVB, that its entire fleet of 200 buses will be replaced by zero-emission vehicles over the next 10 years.
- <http://traffictechnologytoday.com/news.php?NewsID=69221>

5. Released a report on shared and self-driving vehicles

- The report examines the changes that might result from the large-scale uptake of a shared and self-driving fleet of vehicles in a mid-sized European city. The study explores two different self-driving vehicle concepts, for which we have coined the terms "TaxiBot" and "AutoVot". TaxiBots are self-driving cars that can be shared simultaneously by several passengers. AutoVots pick-up and drop-off single passengers sequentially.
- http://www.internationaltransportforum.org/Pub/pdf/15CPB_Self-drivingcars.pdf

6. Autonomous truck on US roads

- Daimler Trucks is the first manufacturer to be granted a road licence for an autonomous heavy-duty truck. The state of Nevada licensed two Freightliner Inspiration trucks for regular operation on public roads. The first journey in the Freightliner Inspiration truck equipped with the intelligent Highway Pilot system for autonomous driving took place on US highway 15 in Las Vegas.
- <http://www.itsinternational.com/categories/location-based-systems/news/daimler-debuts-autonomous-truck-on-us-roads/>

7. First autonomous vehicle (AV) on the streets of Zurich

- Switzerland is testing its first autonomous vehicle (AV) on the streets of Zurich. Developed in cooperation with Swiss telecommunications group Swisscom, the Federal Department of Environment, Transport, Energy and Communications (UVEK) and Germany's Autonomos Labs, the heavily modified VW Passat has been equipped with sensors, computers and software. The computer system drives, steers and brakes the vehicle autonomously and detects other vehicles and pedestrians by means of laser scanners, radar and video cameras. Special software analyses the data, recognises driving situations and issues driving commands to the central operating system.
- <http://www.itsinternational.com/categories/location-based-systems/news/first-swiss-av-takes-to-the-roads/>

8. German port begins truck guidance pilot project

- The project has the objective of developing innovative concepts for optimizing traffic in multimodal transportation and logistics hubs, starting with a pilot project that is being implemented in the German port of Duisburg. The first objective is the gradual introduction of the intelligent flow control system, with the technology used to record truck data, render this information anonymous, bundle the information with regional real-time traffic data, such as travel times, traffic situations and disruptions, and forward them to mobile devices and LED traffic information boards. Incoming truck drivers will then have access to all of the important traffic information that is required for coordinated and rapid travel to the next free loading area or terminal.
- <http://traffictechnologytoday.com/news.php?NewsID=68833>

9. Released a report on smart mobility

- Deloitte's Public Sector Research organisation has released a report titled "Smart Mobility: Reducing congestion and fostering faster, greener, and cheaper transportation options", which indicates that the expansion of alternative modes of transportation could lead to reduced congestion and other benefits, and identified the types of transportation suited to a city or suburb. The study uses geospatial analytics, such as coupling location data with existing government data, to examine the potential congestion reduction benefits in major metropolitan areas across the US.
<http://www.itsinternational.com/sections/general/news/deloitte-research-releases-smart-mobility-report/>

10. Waze launches Unusual Traffic service

- Waze is trialling a new system that will warn drivers about unexpected delays on their routes. In order to let drivers know what is unusual on the road at any given time and inform them how it will affect their drive, the company has introduced Waze Unusual Traffic. Waze explains that what is unique about this service is that it uses historical data to compare what is actually happening on the road to what traffic typically looks like for the same street and time.
- <http://traffictechnologytoday.com/news.php?NewsID=68749>