



Circolare AIIT - Piemonte e Valle d'Aosta - n. 32/aprile 2015

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

1. Switch to a common train control system
 - The EU's TEN-T Programme will support with over €15 million the development and installation of the common European Train Control System (ETCS) in Belgium, Luxembourg, Denmark and the UK. The new system is expected to improve the interoperability, safety, reliability and capacity on European railways.
 - http://ec.europa.eu/transport/newsletters/2015/04-20/articles/commoc_train_control_en.htm
2. Reduce air pollution in European cities
 - The cities of Copenhagen (Denmark), Vienna (Austria) and Zürich (Switzerland) are the top-ranking cities in Europe for efforts to reduce air pollution. In an evaluation carried out by the Soot Free Cities campaign, 23 cities from across Europe were evaluated according to nine criteria.
 - <http://www.eltis.org/discover/news/copenhagen-vienna-and-zurich-best-tackling-air-pollution>
3. Electric vehicles and temperatures in cities
 - A study conducted by Michigan State University in the US and Hunan University in China suggests that electric vehicles can contribute to reducing temperatures in cities. The research showed that electric vehicles produce significantly less heat than models with internal combustion engines; electric vehicles produce only 20 per cent of the heat generated by conventionally fuelled counterparts.
 - <http://www.eltis.org/discover/news/electric-vehicles-help-cool-cities-study-shows>
4. System that anticipates a driver's mistakes
 - Researchers at Cornell and Stanford universities have developed a system that 'watches' drivers to determine when they are about to do something wrong, so that it can warn them not to. The Brain4Cars system analyzes drivers' head movements, and monitors the road ahead, to determine what they are planning to do.
 - <http://www.trafficechnologytoday.com/news.php?NewsID=68213>
5. Future of traction fuel cells in electric vehicles
 - According to the IDTechEx report, there is divided opinion on future of traction fuel cells in electric vehicles, though few argue any more that they will power the majority of electric vehicles (EVs). A comparison of views found that Toyota, Nissan, Honda, Hyundai were enthusiastic, while Volkswagen, Chrysler, PSA, Fiat, Mazda, Proton were sceptical and Tesla and BYD negative. Several companies see fuel cells as part of the toolkit in the future, including Yutong, GM, BMW, Daimler, Ford, Suzuki.
 - <http://www.itsinternational.com/sections/general/news/report-invest-now-in-fuel-cell-vehicles/>



6. EV charger for residential use
 - A WiFi-enabled electric vehicle (EV) charging station has been launched, which will allow residential owners to monitor and control usage remotely through a smartphone or internet application. With the new technology, an EV owner can automatically turn charging on or off, schedule charging when rates are lowest, and view past power consumption data, including usage and cost for the first time in a graphical form.
 - <http://www.traffictotechnologytoday.com/news.php?NewsID=68503>
7. Oregon completes its portion of the West Coast Electric Highway
 - Three years after the first fast charging station opened in Oregon as part of the West Coast Electric Highway (WCEH), the state's portion of the electrified route is complete. Now, electric vehicle (EV) owners have access to a network of 44 fast charging stations along Interstate 5, US 101, and almost all the major connector highways between the coast and the valley, and between the valley and central Oregon.
 - <http://www.traffictotechnologytoday.com/news.php?NewsID=68363>
8. Eco-driving training materials released
 - The ACTUATE e-mobility project has released a programme for public transport operators that teaches its staff how to drive clean vehicles safely and in ways that save energy. The multi-lingual training materials - aimed at trolleybus, hybrid bus and tram drivers - describe the benefits of cleaner vehicles and how their systems work; offer guidelines on practical driver training and explain how to operate the vehicles safely and in the event of an accident.
 - <http://www.eltis.org/discover/news/actuate-project-releases-eco-driving-training-materials>
9. Funding for transport infrastructure projects
 - The European Commission has released details of a number of European transport infrastructure projects that will be funded by the EU's TEN-T Programme: Tarragona (Spain), Bordeaux (France), Valencia (Spain) and Livorno (Italy), Lake Ijssel (Netherlands). All projects are to be completed by December 2015.
 - <http://www.eltis.org/discover/news/ec-announces-funding-transport-infrastructure-projects>
10. Trasporto pubblico gratis a Tallin: il bilancio due anni dopo
 - Nel mondo ci sono 91 città che offrono servizi di trasporto pubblico parzialmente a pagamento. Un esempio importante per l'ampiezza dell'esperienza in una città di 426 mila abitanti è a Tallinn, la capitale dell'Estonia, dove dal primo gennaio 2013 la rete di trasporto pubblico è diventata completamente gratuita per i residenti.
 - <http://www.ttsitalia.it/trasporto-pubblico-gratis-a-tallin-il-bilancio-due-anni-dopo/>
11. Logistica: attivati i Corridoi Veloci per i container
 - Durerà 6 mesi la sperimentazione del progetto "Fast Corridor" per la movimentazione di container dal punto di sbarco fino al magazzino, attraverso corridoi controllati in modalità semplificate rispetto alle formalità doganali. L'Agenzia delle dogane ha fornito le istruzioni per le nuove procedure dell'attivazione dei corridoi, che saranno controllati da Uirnet, la società impegnata nella realizzazione del sistema di gestione della logistica nazionale.
 - <http://www.ttsitalia.it/logistica-attivati-i-corridoi-veloci-per-i-container/>