Smart mobility

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**Smart mobility**

Estonia has made a bold move to build up a public fast charging network in a scale unmatched in Europe. By the beginning of 2013 163 fast chargers have been installed around the country for the comfort of EV users.

The network has been developed in cooperation of ABB, G4S and NOW! Innovations. Charging can be started either by RFID card or mobile application, payments are administered by mobile solution. Infrastructure of that scale creates a unique opportunity to test electric vehicles and associated applications.

In addition to charging, the network provides ample of opportunities to further develop smart grid applications, like real-time metering, pricing, user policies, mobile authentication etc. Estonia has become a dream place to be in next years for every system developer of EV infrastructure.

Opportunities in Estonia in the field of smart mobility

* ideal small and smart country demo market;
* product development, piloting;
* R&D, software development;
* integration with existing advanced technologies:contract manufacturing and engineering services;
  + e- and m-applications;
  + smart grid solutions;
* Nordic and Baltic production & distribution hub;
* track testing, leisure based motor racing.

Estonian government is leading the way

New knowledge via the one of the largest test cases in the world:  
Government has bought social workers at the municipalities more than 500 electric cars (Mitsubishi ”iMiEV”) in 2011. The pilot project enables to promote environmental awareness, improve the quality of social services and create new knowledge on electric vehicles in Estonia. Tallinn University of Technology has collected and analyzed performance data from an unusually large sample group of electric cars.

Grant to buy an electric car to individuals:  
The new grant scheme will enable 500 Estonian private and legal persons to buy an electric car. The grant is available until the end of 2014 in the amount of up to 18 000 Euros per person. Beneficiaries of the grant will be using green energy based on green certificates.

First country in the world that has been covered with the fast charging network:  
163 fast chargers (CHAdeMO standard) have been installed around the country by the beginning of 2013. Mission of the public infrastructure is to reduce range anxiety, support early adopters and ensure that EV users have access to emergency charging.

 [[](http://issuu.com/eas-estonia/docs/smartmobility_voldik2013?e=0/5134121)](http://issuu.com/eas-estonia/docs/smartmobility_voldik2013?e=0/5134121)

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