

AutomotiveNL EV testsite

Description	<p>This project describes the set up of an integral electric mobility concept for people traffic between three high tech campus sites in the SE of the Netherlands. It offers a transport connection for employees between three technology campus sites: AutomotiveCampusNL in Helmond, the High Tech Campus and the Technical University of Eindhoven. The EV testsite is an integral EV pilot, i.e. should offer an 'from well to wheel' solution. The main energy source is the sun. The ultra fast charging stations are using wireless inductive charging techniques. The pilot is realized using a number of fixed routes and selected drivers (employees). Therefore the pilot can be run as a test environment while collecting data and monitoring the GPS position of the vehicle. The test site is run by employees and students of the campus sites. Service can be integrated in the education program of the involved technical education institutes.</p>	
Aim	<p>Integral E mobility pilot from well to wheel (sun, smart grid, induction, ultra fast charging, E driver experience); Realization of modular charging stations; EV traffic for technical employees between the three high tech campus sites; Real world datalogging for analysis and specification of systems; Set up of a real world reference database; Test environment for electric vehicles; Research and education environment. Showcase for E mobility.</p>	
Consortium	Participant	Role
	AutomotiveNL	Project management
	3 x Campus	Charging stations and site management (keys, availability, planning of transport, etc)
	Solliance	Solar charging
	Province NB	Pilot support and finance
	Enexis	Smart Grid
	ABB-Epyon	Ultra fast charging
	TomTom	GPS Technology
	Sycada	Datalogging
	TNO	Research & development; data analysis
	3TU	Research & education
	ACE/MAC	Service and education projects
		We are looking for interested participants ::
	OEM	Electric Cars & E systems
	Automotive-Tiers	Testing of Powertrain, batteries, auxiliaries, etc etc.
	Energy-Tiers	Testing of Energy systems and charging data
	Cities	New sites for implementing modular charging and mobility solutions
	etc, etc.
Planning (project start)	Quarter	Milestone/ deliverable
	Q1 & Q2 2012	Consortium completion key partners, LOI's
	Q3 2012	Project description: deliverables, scope, workpackages, panning & risk analysis
	Q4 2012	Financial engineering: Funding and financing; commitment of the partners
	Q1 2013	Start project
Remarks	<p>This project can easily been realized in phases: Cars > charging stations > GPS monitoring > datalogging > smart grid connection > solar connection > etc. Due to the modular character of the pilot it is also relatively easy to copy the modular charging station and to enlarge the size of the basic pilot. It is the aim to realize this project with minimal cash by the project partners; the focus is mainly on an in kind contribution by participants : Win-winning from the beginning!!</p>	