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Siemens previews its UK infrastructure portfolio at leading electric vehicle event at Millbrook Proving Ground

Siemens is previewing its new range of infrastructure solutions developed for the rapidly emerging electric vehicle market at this year's Low Carbon Vehicle (LCV 2010) event at Millbrook Proving Ground in Bedfordshire. Siemens can draw on a long heritage of expertise and experience in the field of electro-mobility. As early as the beginning of the 20th century, the company did pioneering work in this field. Beginning in 1905, the "Electric Victoria" was built in Berlin, Germany, – and was the first electric car in the city. Siemens is a regular contributor to the LCV forum. Siemens will present its portfolio, ranging from charging devices to back office applications for the UK market.

As an expert in smart energy, building automation and transportation, Siemens sees electro-mobility as part of a wider sustainable business agenda. The systems and devices previewed at LCV 2010 are designed to integrate with emerging smart grids as well as energy efficient smart homes and buildings that will become commonplace over the next years.

Siemens' electro-mobility portfolio provides answers to some of the key issues facing the full-blown development of the e-vehicle market, namely the infrastructure that will be required, including, charging mechanisms and back office functionality to deliver secure billing and payment. At the heart of Siemens' system is an advanced suite of management applications enabling the co-

ordination and operation of the installed charging devices and the delivery of a wide range of driver services from access card production to billing and settlement for the electricity used.

As well as the scheme management software and services, Siemens is also presenting its second generation 3-phase public charger and the commercial charger designed for workplace and home installation. These devices feature innovative new technologies and are designed to support communications between the charger and the car as well as wide area communications to provide online maintenance and availability services.

Siemens is engaged in many electro-mobility projects worldwide and research and development plays a strong role. Siemens has invested in a dedicated central research department, for Corporate Technology in Germany, where it is also part of the Harz-EE mobility project to support the development and roll-out of battery charging infrastructure. In March this year Siemens presented its integrated recharging system, with an innovative double-motor concept at the Geneva International Motor Show. Other projects include ongoing co-operation with BMW in Munich where 40 electric minis are already on the streets.

Similar projects are planned for the UK too and Siemens aims to have the most comprehensive portfolio on the UK market. Siemens' plans for a smart grid infrastructure, making use of renewable distributed energy to power electric vehicles will compliment the integrated charging and billing system showcased at LCV 2010 event.

"We are entering into the second phase of electro-vehicle deployment", comments Phil Skipper director of electro-mobility within Siemens in the UK. "The current pilots have raised awareness of the potential for the UK and will result in charging devices being installed on the streets of many cities. As electro-vehicles

arrive over the coming months the focus will have to change from equipment to service delivery – this will include all aspects from the registration of new customers to provision of 24/7 support services.”

Siemens believes that this new focus will require a high level of integration across different charging devices and across different industries. Siemens is ideally placed as a major provider of national infrastructure to create the system and service environment that will make electro-mobility a long term success.

Other innovative electric-vehicle initiatives include the joint development of the eRuf ‘Greenster’ an electric sports car, based on the Porsche 911 with the German car manufacturer Ruf Automobile GmbH. Siemens supplies the integrated microgenerator system for the Greenster. Siemens has also co-developed the ‘Stormster’ based on a Porsche Cayenne model and an ‘e-Chopper’, an electric powered motorbike version.

Siemens will be presenting its e-vehicle solution portfolio on stand 38 and 39 at the LCV 2010 event at the Millbrook testing track between the 15 and 16 September.

Notes to editors:

About Siemens in the UK

Siemens was established in the United Kingdom 167 years ago and now employs 16,915 people in the UK. Last year’s revenues were £4.2 billion. As a leading global engineering and technology services company, Siemens provides innovative solutions to help tackle the world’s major challenges, across the key sectors of energy, industry and healthcare. Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey. The company’s global headquarters is in Munich, Germany. For more information, visit www.siemens.co.uk

For more information, contact:

Rachel Odams
PR Manager
Siemens plc
Tel. +44 (0)1276 690782
Mob: +44 (0)7808 824209

Rachel.odams@siemens.com