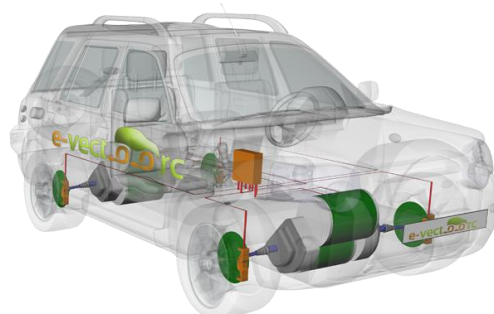


New European Consortium Launches Project for the Development of Integrated Vehicle Dynamics Control for Fully Electric Vehicles



Guildford, UK, 30.09.2011 - A consortium of eleven partners from industry and research institutions has started the project E-VECTOORC - Electric-Vehicle Control of Individual Wheel Torque for On- and Off-Road Conditions. The project aims to develop and integrate a number of automotive control systems such as Anti-lock Braking Control, Traction Control, Torque Vectoring, Electronic Stability Program, and Advanced Driver Assistance for fully electric vehicles (FEVs) with individually-controlled in-board motor drives at each wheel. The technical content of the E-VECTOORC project addresses a wide range of FEV concepts, from small city cars to sport utility vehicles.

The project is being funded by the European Community 7th Framework Programme under the European Green Cars Initiative. The E-VECTOORC consortium is coordinated by the University of Surrey (United Kingdom) and includes Ilmenau University of Technology (Germany), Jaguar Cars (United Kingdom), Land Rover (United Kingdom), Flanders' Drive (Belgium), Inverto (Belgium), Fundacion CIDAUT (Spain), Aragon Technology Centre (Spain), Škoda Auto (Czech Republic), Virtual Vehicle Competence Centre (Austria), and TRW Automotive Lucas Varity (Germany).

The project activities will span three years and will be carried out using vehicle dynamics simulations and a combination of Hardware-In-the-Loop and vehicle testing. The kernel of the experimental activities will be a highly versatile vehicle demonstrator that can represent drive train architectures with 2, 3 or 4 electric motors and be used for the development and evaluation of the novel control system. Being a public-private partnership project, E-VECTOORC will develop a number of technologies for FEV control systems ready for immediate industrial implementation after the project conclusion.

Website: <http://www.e-vectoorc.eu>

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Dissemination and public activities

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