



Germany

www.greenemotion-project.eu

“Electromobility will make an important contribution toward reducing carbon dioxide emissions. Green eMotion is intended to ensure the fast-track success of electric vehicles.”

—Siim Kallas,
Vice President of the European Commission
and Commissioner responsible for Transport

Green eMotion

A 42-member consortium, comprised of municipalities, industry and utilities, sets the standards and creates the integrated processes to help make Europe's vision of millions of electric vehicles on its roadways a reality.

The European Union supports research and demonstration of road transportation solutions that have potential to achieve a breakthrough in the use of renewable energy sources. The project Green eMotion was selected to enable a mass deployment of electromobility in Europe. Forty-two partners from industry, the energy sector, electric vehicles manufacturers, municipalities as well as universities and research institutions have joined forces in the Green eMotion project.

The Opportunity

In early 2011, the European Commission kicked off Green eMotion (GeM), a four-year cross-European initiative to promote electromobility and enable its mass deployment in Europe. Key issues for the success of electromobility will be the development of pan-European processes, standards and IT solutions to allow customers easy and seamless access to the charging infrastructure and related services throughout the European Union. Creating a single European-wide network to enable millions of electric vehicles (EVs) to take to the roads by 2020 was the goal of the Green eMotion consortium.

What Makes It Smarter

The consortium is creating a single vision for a smart grid-like ICT infrastructure to support Europe's green vehicle goals. An advanced requirements definition tool helped the consortium design and model an extremely complex array of processes, identifying overlaps, duplications and missing elements prior to rollout of the actual EV network. For example, the tool can help to identify where there are “holes” in the recharging grid, or where processes that enable the recharging of cars are either missing or duplicated. Ultimately, the complex processes and infrastructure behind the grid will be invisible to the EV driver through the creation of an uninterrupted network of EV interoperability.

What if you could create a single marketplace and an interconnected grid to support the rollout of electromobility in Europe?



Solution Components

- IBM® Rational® Requirements Composer
 - IBM Global Business Services® (GBS): GBS BAO; GBS S&T
 - IBM Global Services - Application Services: GBS-AIS and AMS Services)
 - IBM Innovation Services: Wireless Services
 - IBM Software Services for Rational
 - IBM Systems Lab Services (STG Lab Services)
 - IBM Solutions: Product Lifecycle Management
 - IBM Industry Solutions: Automotive: Advanced Mobility Framework
 - IBM Energy & Utilities: EV Enablement Platform
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Real Business Results

- Developed over 1,000 artifacts, translated into approximately 100 actual actions to be implemented in the project, to clearly define all processes and dependencies
- Structured results for specification and interoperability in the European EV market
- By using the requirements definition tool, use-case descriptions can be reutilized for new processes, reducing development time by 30 to 70 percent
- Bridges information islands between project participants, enabling more effective collaboration and improving change management with a “single truth” version of the project

For more information

Please contact your IBM sales representative or IBM Business Partner. Visit us at: ibm.com/government

To learn more about Green eMotion visit: www.greenemotion-project.eu



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