

Abengoa participates in the European Batteries2020 project to optimize batteries for electric vehicles

- The research aims to create electric vehicle batteries that are more efficient and competitive in the current market.
- The initiative forms part of an extensive research program that Abengoa is developing to produce energy from renewable sources.

September 11, 2013.- Abengoa (MCE: ABG. B), the international company that applies innovative technology solutions for sustainability in the energy and environment sectors, is participating in the Batteries2020 project to develop competitive batteries in terms of cost, performance, safety, reliability and durability for use in electric vehicles.

One of the main challenges of the project, in addition to efficiency, stability and cost, is to maintain the energy output of these batteries over the useful life of the electric vehicle in order to ensure constant levels of power. Abengoa's researchers are examining the different factors that influence how batteries age and degrade in order to identify the critical parameters that affect performance throughout the life of the battery.

In recent years there has been a huge amount in interest in battery technology research. Nevertheless, there are still a series of challenges to overcome before these batteries can be commercially successful. The Batteries2020 project, which involves nine partners from five EU countries (Spain, Germany, Belgium, Italy and Denmark) led by the Technology research centre Ikerlan has been set up to tackle these challenges arising from the need to integrate all the components in the supply chain, as well as to optimize batteries in general. It therefore combines all the relevant disciplines and competencies, covering the whole of the process, including making the product available to end users.

In its R&D+i activities Abengoa collaborates with nationally and internationally renowned partners and research centers in the field of energy and the environment, developing highly innovative projects and leading multiple research programs that have been selected by the US Department of Energy or the European Union – such as Batteries2020 – as well as numerous other institutions in countries that promote technological development. Innovation has been at the

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heart of Abengoa's business from the outset and has enabled it to maintain a competitive advantage in the sectors in which it operates.

About Abengoa

Abengoa (MCE: ABG.B) applies innovative technology solutions for sustainability in the energy and environment sectors, generating electricity from renewable resources, converting biomass into biofuels and producing drinking water from sea water. (www.abengoa.com)

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