Within the framework of the Cenit Verde Research project, approved today by the Spanish Ministry of Science and Innovation

IBERDROLA IS LENDING ITS FULL WEIGHT TO THE SEARCH FOR SPANISH TECHNOLOGY WITH A VIEW TO DRIVING FORWARD THE CONCEPT OF THE ELECTRIC CAR

- The company is to begin work on introducing electric cars into the distribution network and will analyse the extent to which the introduction of these vehicles will affect the energy system
- IBERDROLA is to examine the various types of electric car, the use of intelligent energy networks and the development of energy supply infrastructures to increase the reach of renewable energies

Over the coming months IBERDROLA will begin work on the Cenit Verde Research project, an initiative approved today by the Spanish Ministry of Science and Innovation and which is primarily geared towards spurring on research in the field of electric transport.

The project, which counts IBERDROLA among its participants, has a budget of €39.7 million and will remain in effect for four years. As part of the initiative, which is headed by Seat, IBERDROLA is collaborating with 18 different partners, including electric, infrastructure, auto technology and information technology companies.

The Cenit Verde project is divided into six working areas with IBERDROLA jointly heading the area concerning the integration these vehicles into the electricity system. The company will analyse the extent to which the penetration of such vehicles will affect the distribution network to ensure its continuing stability.

The tasks entrusted to the company include examining the various types of electric vehicle, the use of intelligent networks in this field and the enhancement of charging facilities to heighten the use of renewable energies, which are taking on increasing importance in the Spanish energy mix.

The Cenit Verde project has also paved the way for activities to
define car models, conduct research into car batteries and electric drive systems and study the best places for installing recharging facilities.

IBERDROLA's involvement in the project complements other group initiatives aimed at fostering development of electric vehicles, including the EPV (Electric Powered Vehicles) project to introduce these cars into the urban transport network of the Autonomous Community of Valencia, and the international Merge (Mobile Energy Resources for Grids of Electricity) project to conduct studies into the impact the introduction of these cars is having on current and future distribution networks.

In Castile-Leon, the company is looking into possible joint projects with Renault and would be responsible for developing the infrastructure needed to recharge all the prototype electric vehicles that the various departments of the regional government intend to roll out.

Outside Spain, the company, through its subsidiary ScottishPower, is involved in a project to provide the necessary electrical infrastructures to use electric vehicles in Glasgow. Specifically, IBERDROLA will be in charge of designing and building recharging points.

**Over 10 years of work on developing electric cars**

For over 10 years, the group has been involved in a host of different initiatives aimed at developing this type of vehicle, a reflection of its unflinching commitment to sustainable development and to spearheading technological innovation.

IBERDROLA's groundbreaking projects include Zeus, developed between 1996 and 1998 with the Mondragón Group; Viel, conducted at its centre in San Agustín de Guadalix between 2002 and 2004; and a pilot project backed by Valladolid City Council to introduce electric motorcycles and the necessary recharging points.

In addition, the company is working alongside General Motors to analyse the technical requirements of the energy supply infrastructures needed for electric cars, and is collaborating with international groups on the standardisation of recharging parameters. It has also been involved in the report of the Spanish Royal Academy of Engineering (*Real Academia de Ingeniería*) entitled *The contribution of ICTs to sustainable transportation in Spain*, in which it oversaw a chapter on the decisive role played by telecommunication networks in helping to roll out electric vehicles en masse.