

# IBERDROLA AND I+D+I, A PACT WITH THE FUTURE

THE COMPANY IS CONSTANTLY INVESTING IN NEW TECHNOLOGIES TO THE POINT THAT IN 2015 IT INVESTED 200 MILLION EUROS IN RESEARCH AND DEVELOPMENT

**SUSTAINABILITY**, efficiency and competitiveness. These are the three lines of action on which Iberdrola settles its main tool in its commitment to technology and innovative business models: R + D + i, whose objective is to change the drift that a sector has been describing for years when less tireless, at the service, full time, of the energy future.

An area where there are many strategies that the company directed by Ignacio Galán has in place to support not only the technology itself, but also the active search for business models that make such development profitable. One of them is renewable energies, such as solar photovoltaic, onshore wind or marine. However, the electricity giant also works in other fields, such as energy efficiency or new methods of operation and maintenance.

Investments destined to technology are carried out by the Iberdrola Ventures-Perseo corporate venture capital program and, since its creation in 2008, more than 40 million have been invested in startups that develop new businesses in different parts of the world.

During 2015, the electricity company has chosen to promote the integration of renewables in the field of onshore wind power, where it continues to work to extend the useful life of wind turbines; and in developing new designs for offshore projects: its commitment to offshore wind power and pumping hydraulics, the most efficient storage method today.

Iberdrola, whose energy leadership responds to a permanent commitment to new technology and invested 200 million euros in R&D alone in 2015, is currently leading the second revolution facing the wind sector, which exports to the sea, models that have given such good fruit on the mainland.

The West of Duddon Sands and East Anglia marine parks in the United Kingdom and Wikinger in Germany are perfect examples of the new drift that Galán's firm is taking for innovation.

Always looking at new plans, for the 2016-2020 period the company will continue with the Alto Tâmega hydroelectric project in Portugal, which will involve an investment of 1.6 billion euros to open its doors in 2023.

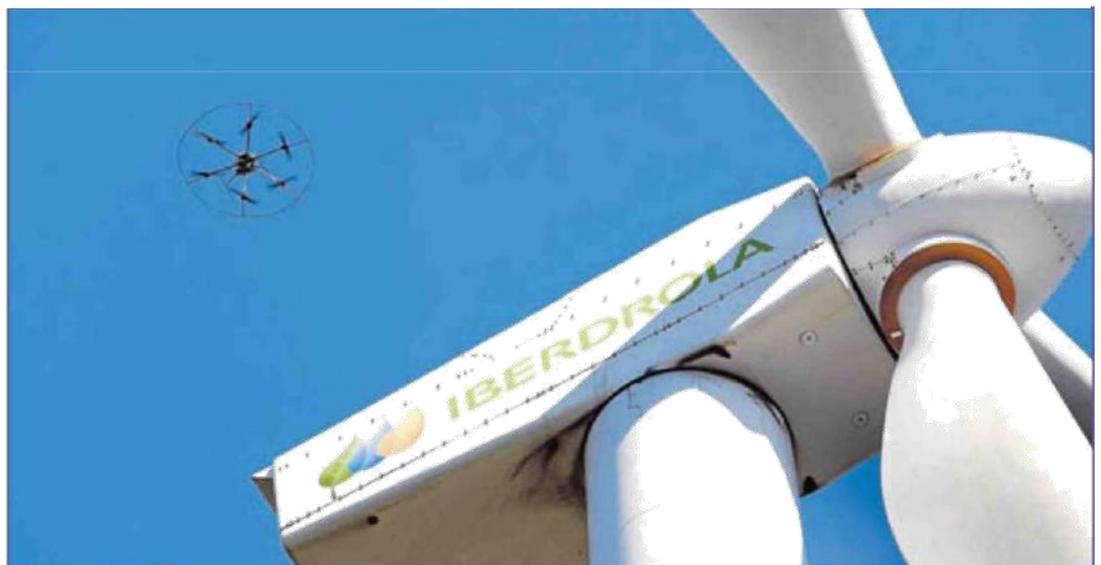
In Spain, in addition to having the largest pumping facility in Europe, La Muela, in Valencia, Aldeadávila II, Villarino and Valparaíso, in the Duero River Basin; Torrejón, Gabriel and Galán and Guijo de Granadilla, in the Tagus Basin; and Conso, Soutelo, Puente Bibey and Santiago Jares, in the Sil Basin.

## CASTILE AND LEON, PIONEERING SCENE OF INNOVATION

Always looking for the same goal: to offer the best version of energy production, Iberdrola, which since 2001 bets on wind energy and consolidates



Ignacio Galán, president and CEO of Iberdrola, visits WoDS.



Aracnóptero checking blades of Iberdrola wind farm.

itself year after year as one of the leaders in the development of this type of energy worldwide, also It gives an account of the investment in the business development of Castilla y León.

Effort that benefits the most sustainable initiatives that the best European utility for the third consecutive year –award at the hands of Ethical Boardroom Magazine– takes place in the different locations of Castilla y León in the areas of R&D and environment. In Valladolid it is immersed in the Remourban project, in which Iberdrola, with the collaboration of a national consortium led by the

Cartif Technology Center, will validate a model of integral and sustainable urban regeneration, addressing from transport to ICT. Together with these projects, the deployment of smart grids, within the framework of the STAR project (Network Remote Management and Automation System), involves not only the modernization of the electrical infrastructure, but also an important development of the Castilian and Leonese economy. Iberdrola already exceeds one million smart meters installed in the region, 67% of its entire meter park with contracted power equal to or less than 15 Kilowatts is this community. By the end of this initiative,

making a global investment of 180 million, the more than 1.5 million supply points that the company serves in the region will enjoy this technology.

Other notable initiatives carried out by Iberdrola in the field of R&D have been, for example, the collaboration with the Salamanca company Arborea Intellbird S.L., an ally in the development of new technologies for the review and maintenance of its wind turbines, synergy that materialized with the construction of the Eol6 Aracnóptero, a multicopter folding helicopter capable of checking the condition of the blades and storing information for its good conservation.