

INFORMATIVE NOTE

Iberdrola leads the Flexener consortium to research new technologies to consolidate a 100 % renewable electricity system

- **Siemens-Gamesa, Ingeteam R&D Europe, Indar, OSI Digital Grid Solutions, Balantia and Wallbox will undertake research together with the energy company into new renewable generation technologies and grids, which are more bidirectional and flexible, to facilitate the integration of green energy into the electricity system**
- **The project represents an opportunity to promote solutions in areas such as electric vehicles and self-consumption**

Iberdrola will lead the Flexener consortium with the participation of Siemens-Gamesa, Ingeteam R&D Europe, Indar, OSI Digital Grid Solutions, Balantia and Wallbox, whose main objective will be to undertake research into new technologies in areas such as renewable energy generation and its integration into the electricity distribution system (grid), storage systems and flexible demand management to ensure an efficient energy transition.

The initiative, which will be carried out between 2021 and 2023 and will have a total budget of 7.6 million euros earmarked entirely for research and development, is part of the Missions programme run by the Centre for the Development of Industrial Technology (CDTI), an agency of the Ministry of Science and Innovation.

The project represents a public-private commitment to promoting collaborative R&D&i that accelerates the fulfilment of objectives relating to the energy transition. It also highlights the need to increase investment in electricity grids above the levels seen over recent decades to enable a green recovery.

Research into grid digitalisation will allow the development of increasingly bi-directional systems to transform the customer's relationship with energy by involving them in consumption that is more autonomous and responsible; more robust, by ensuring the incorporation of more renewables; and more flexible, because the grids incorporate multiple generation points close to the places of consumption. The project represents an opportunity to promote solutions in areas such as electric vehicles and self-consumption, which are set to play a decisive role in the consolidation of new development models such as smart cities.

Investments to accelerate decarbonisation objectives

After investing 120 billion euros over the last two decades, Iberdrola is a global energy leader with an installed renewable capacity of more than 35,000 MW, making its generation fleet one of the cleanest in the energy sector.

Aware of the potential role electricity grids can play in the transition, Iberdrola has invested 2 billion euros in recent years to digitise 11 million meters in Spain and it continues this process in other markets to further promote smart grids and ensure the mass incorporation of



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renewables. By 2025, the company will have installed more than 21 million smart meters in the markets in which it operates.

Iberdrola is developing a historic investment plan worth 150 billion euros by 2030, which will include 75 billion euros by 2025, through which it will triple its renewable capacity and double its network assets and take advantage of the opportunities presented by the energy revolution facing the world's leading economies. In Spain, these investments amount to around 14.3 billion euros by 2025.

About Iberdrola

[Iberdrola](#) is one of the world's principal energy companies, a leader in renewables, and is spearheading the energy transition towards a low-emission economy. The group supplies energy to around 100 million people in dozens of countries and has renewable, grid and commercial activities in Europe (Spain, the UK, Portugal, France, Germany, Italy and Greece), the US, Brazil, Mexico and Australia, while counting markets including Japan, Ireland, Sweden and Poland as growth platforms.

With a workforce of more than 37,000 and assets of over €122.5 billion, it recorded turnover in excess of €33 billion and net profit slightly exceeding €3.6 billion in 2020. The company contributes to the maintenance of 400,000 jobs in its supply chain, with an annual procurement budget of €14 billion. A leader in the fight against climate change, Iberdrola has committed more than €120bn over the last two decades to building a sustainable energy model based on sound environmental, social and governance (ESG) principles.

