

INFORMATIVE NOTE

28 October 2021

The residential sector, which represents 30 % of CO₂ emissions in Europe, is in urgent need of decarbonisation and offers opportunities for local industrial development and jobs

Iberdrola and AFEC have joined forces to promote sustainable, electric home climate control in Spain

- They have entered into a strategic alliance to promote efficient, clean technologies in households and companies based on heat pumps.
- They will also work together to disseminate knowledge and train workers to meet the growing demand for these types of solutions in the short and medium term.

Iberdrola and the Spanish Association of Climate Control Equipment Manufacturers (AFEC) have entered into a strategic alliance to promote the use of sustainable electric climate control in our country. To do this, they have designed a work plan that focuses on two lines of action: Promoting clean climate control technologies based on heat pumps in homes and companies; and education and training, preparing trade professionals to cover the expected increase in demand in the short and medium-term.

The alliance will enable them to pool the knowledge and skills of two organisations committed to the energy transition and the decarbonisation of the economy as a way to convert the climate control systems in our country's buildings to use clean energy. Both organisations are also working with government bodies to drive the development of this technology.

According to Luis Buil, global manager for Smart Solutions at Iberdrola, "AFEC is the ideal ally to further the decarbonisation of climate control in both homes and businesses with solid commitments and specific initiatives based on clean, innovative and competitive technologies. The building sector is one of the segments with the greatest need for electrification, as it is one of the main sources of CO₂ emissions and because we already have efficient solutions to undertake this energy transformation, which will also boost an important part of our local industrial sector and employment".

AFEC chairman Luis Mena says "the collaboration with Iberdrola is key to publicising the benefits of heat pumps and encouraging their use. This technology is a pivotal part of decarbonisation policies and contributes to achieving the triple objective of EU energy and climate policies in relation to increasing energy efficiency, using energy from renewable sources and reducing CO₂ emissions."

The residential sector is responsible for 30 % of all CO₂ emitted in the European Union, of which heating accounts for 12 %. In Spain, 41 % of total energy demand is for climate control (heating, cooling and domestic hot water), making electrification a matter that must be addressed. At the moment, 73.75 % of boilers in our country, that is around 6.5 million, are gas or oil-fired; almost 2 million are gas and oil-fired condensation boilers while only 140,000, that is 1.59 %, are heat pumps that use renewable energy.

Groundbreaking technology for a sustainable future



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Classified as a renewable technology -because it captures energy from the outside air - and efficient - because it consumes a quarter of the energy, in the form of electricity, to provide the same amount of heat- aerothermal heating is undergoing a real revolution.

This air conditioning technology is aligned with the three European and national objectives for 2030, to reduce CO₂ emissions, improve energy efficiency - heat pumps are four times more efficient and produce 70 % less CO₂ emissions than a conventional boiler, and they use clean, renewable energy.

The new energy model encourages more personalised products and services that are adapted to the way people use energy and greater energy efficiency. To be able to provide innovative solutions, Iberdrola, through Smart Clima, offers comprehensive, personalised services to upgrade climate control with efficient equipment in both private homes and multi-household buildings, leading to savings and more sustainable energy consumption.

Green investments to promote economic recovery

Iberdrola has been leading the energy transition for two decades, acting as a key driving force to transform the industrial fabric and in the green recovery of the economy and employment. The company has thus launched a historic investment plan worth 150 billion euros over the next decade, 75 billion euros by 2025, to triple its renewable capacity and double network assets and take advantage of the opportunities offered by the energy revolution that the world's leading economies are facing.

About Iberdrola

[Iberdrola](#) is one of the world's principal energy companies, a leader in renewables, and it 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 bn, it recorded a turnover in excess of €33 bn and net profit slightly exceeding €3.6 bn 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 €12bn over the last two decades to building a sustainable energy model based on sound environmental, social and governance (ESG) principles.

About AFEC

The Spanish Association of Climate Control Equipment manufacturers (AFEC) is a national, non-profit organisation founded in 1977 that defends the interests of the sector and the manufacturers of heating, air conditioning and ventilation equipment and indoor air quality systems and air processing, regulation and control systems, etc., acting as a liaison with official bodies and institutions.

The AFEC disseminates information and provides technical and legislative advice, carrying out communications activities and organising sector forums, etc. It works to improve cooperation between companies, legislators and standardisation and certification bodies at the national and international level, helping to streamline the enactment of effective legislative policies, and the use of clean and energetically efficient technologies based on renewable energy sources that, from a holistic point of view, also include other cross-sectional concepts like comfort, health and safety, as well as promoting sustainable development actions.