

Andorra city solar energy

Through its renewable subsidiary Enel Green Power España, Endesa today presented its future plan for Andorra following the award of the tender called by the Ministry of Ecological Transition and the Demographic Challenge and which has just been confirmed.

The plan presented by Endesa, which combines new renewable capacity with unique hybridisation of technologies, projects with green hydrogen and a synchronous compensator, also features a real social-economic development plan in the area that will create more than 6,300 jobs, 370 of which will be direct permanent jobs in the area for the operation of the installation.

“Endesa has historical links with Andorra, and with this plan our aim was to show that we wish to continue playing a leading role in its history,” said Endesa's General Manager for Generation, Rafael González. “It is a real project that will continue to generate value in the area and which involves a commitment by Endesa to invest more than EUR1,500 million for the development of these projects.”

The former energy production in a coal-fired thermal power plant will now be replaced by solar, wind, green hydrogen and storage projects, with a total installed capacity of more than 1,800 MW of new renewable capacity.

Endesa will build a total of 14 renewable projects with 7 hybridisations, an approach that to date is unique in Spain, that makes the installation much more efficient and production is much greater than the capacity of the node itself. The new renewable plants will be located in Albalate del Arzobispo, Híjar, Samper de Calanda-Castelnou, Andorra, Calanda, Alcañiz, La Puebla de Híjar, Jatiel, and Alcorisa.

This hybridisation will also be accompanied by the development of two battery storage plants that aim to fully exploit renewable energy production, reducing energy loss and optimising its use. An electrolyser will also be installed that will enable the surplus renewable energy to be managed for the production of green hydrogen, and a synchronous compensator that will enable this renewable energy to be injected with greater quality and stability, contributing to the suitable operation of the electricity transmission network.

This renewable development is accompanied by an ambitious industrial plan with companies with which agreements have been made for the development of their manufacturing activity. This is the case of Soltec, with whom Endesa has made a commitment to build a solar tracker factory. The new installation, which will use the warehouses and installations of the old thermal power plant, will create about 40 fixed jobs. An agreement has also been reached with Pretersa to extend the precast concrete factory located in La Puebla de Híjar that will generate another 80 jobs in the area.

Endesa is also working on the development of an electrolyser manufacturing centre and a second-life centre

for wind turbines, in response to a need in the renewable sector and contributing to the circularity of these industrial elements.

Another of the industrial projects that Endesa will begin to develop in the area will be Smart Rural Andorra. This project is based on the development of a digital platform that will optimise the logistics chain for agrifood companies in Andorra and the surrounding region to connect production centres with urban consumption centres using zero CO₂-emission transport solutions. This will involve the creation of a digital tool based on collaborative logistics that integrates agricultural producers' supply, connecting them with the existing demand in the large wholesale consumption points.

Together with all this, Endesa proposes to develop energy communities in 9 of the municipalities covered by the fair transition agreement where the renewable energy projects will be located. Self-consumption plants will be installed in a number of locations in these municipalities, increasing their independence and energy efficiency. Endesa is also committed to reaching a total of more than 3,000 self-consumption beneficiaries.

In addition to these industrial and technological projects, Endesa has also generated a social-economic development plan with initiatives framed in the primary and service sectors to promote training and employment through economic diversification by taking advantage of the territory's endogenous resources, which have been identified in this process of active listening with local agents.

In this regard, Endesa is committed to training as one of the vectors of our fair transition plan for Andorra. There will be over 300,000 hours of training related to the activity that renewable energy plants will generate and this will benefit the most vulnerable groups in rural areas such as young people, women, the unemployed and people with disabilities.

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