

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.

The Just Transition project at our power plant in Andorra, Teruel, won a prestigious Changemakers award in the Renewables category at COP28 in Dubai. This project focuses on converting the coal-fired power plant into a renewable energy hub, developing economic activities and creating jobs in the area.

The Future Plan for Andorra, a benchmark for good practices in energy transition processes, is an initiative to replace the 1,100 MW at the coal plant in Teruel province with 1,725 MW of renewable energy, plus 160 MW of storage.

Spanish utility group Endesa SA said on Wednesday that it has connected to the grid the first solar farm built within the perimeter of its demolished Andorra thermal power plant (TPP) in Spain's region of Aragon. ...

A 37.7 kWp solar PV array is projected to generate 91% what the building consumes, turning it into a nearly net-zero energy powerhouse. Thermal envelope Exterior wall: Mineral wool insulation, U-value = 0.153 W/(m<sup>2</sup> K)

Andorra will go from producing energy using coal, to generating clean energy with an installed capacity of 1,843.6 MW as a result of 7 hybridised renewable projects, 2 storage projects with batteries, a green hydrogen project and a synchronous compensator.

The research highlights that coupling hybrid renewable energy sources (RESs), such as PV and wind proves to be a competitive and reliable alternative for ensuring sustainable energy supply, particularly in urban areas characterized by suitable topographical conditions and a high potential for renewable energy generation.

Spanish utility group Endesa SA said on Wednesday that it has connected to the grid the first solar farm built within the perimeter of its demolished Andorra thermal power plant (TPP) in Spain's region of Aragon. The 46.66-MWp Sedeis V solar farm is located on land once occupied by Andorra's now closed landfill.

The advanced technology will also benefit the region with higher energy efficiencies, lowered losses, and reduced carbon footprint. To further add to these sustainability credentials, an alternative insulating fluid, Ester fluid, is used within the transformers which is biodegradable and has a far lower rate of flammability.

Endesa will use the freed up capacity to connect a hybrid complex made up of five wind and five solar farms



# Hybrid renewable energy systems Andorra

backed by a battery energy storage system (BESS). Surplus electricity from this setup will be used to power an electrolyser to produce green ...

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