



NOTA DE PRENSA

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ENDESA CONNECTS TO THE GRID ITS FIRST TWO SOLAR PLANTS IN SEVILLE

- *The investments for the construction of the two solar plants, Las Corchas and Los Naranjos amounts 70 million euros*
- *In addition, a pioneering agriculture and apiculture project has been implemented between the photovoltaic panels of these facilities*

Carmona, December 29th 2020 – Endesa, through its renewables arm Enel Green Power España (EGPE), has completed the construction of the Las Corchas and Los Naranjos photovoltaic plants, located between the towns of Carmona and La Rinconada.

With an investment of 70 million euros and built in record time, the two photovoltaic plants will add a combined capacity of 100 MW and will generate 202 GWh a year, equivalent to the annual energy consumption of a town like Carmona.

In the light of the ongoing pandemic and in line with the indications provided by health authorities, the company implemented rigorous safety protocols, with the aim to ensure the necessary protection of the workers involved in the construction as well as to the communities where the plants are being installed.

Luca Capuzzo, Endesa's head of construction for Las Corchas and Los Naranjos, expressed his appreciation for *"the efforts of all the workers and the coordination with the local authorities in Carmona and La Rinconada, who also made it possible for the province of Seville to produce cleaner energy today."*

Las Corchas and Los Naranjos have around 258,120 bi-facial photovoltaic panels, meaning that solar radiation can be captured on both sides, optimizing their utility. In addition, 14 transformation centers, two electricity substations and 45 kilometers of underground networks have been built to allow them to operate. This complex has today enabled the first megawatt of renewable energy to be generated, which has already reached the Andalusian electricity distribution network. The renewable energy produced by the two plants will avoid the annual emission of more than 94,000 tons of CO₂ into the atmosphere.

What the build was like

For the construction of the two photovoltaic plants, Endesa implemented the latest technology in the field, such as using an exoskeleton to facilitate the installation of solar modules, security cameras to detect any safety breaches that occurred during the build, and integrated junction systems that made it possible to join photovoltaic modules without rivets.

Comentario [AFR(R1): According to the original PR, the total amount is 58,2 million euros:
<https://www.endesa.com/en/press/press-room/news/energy-transition/enel-green-power-espana-begins-construction-of-its-second-pv-plant-in-carmona-spain>



In addition, Endesa is using virtual reality to monitor these plants through smart glasses, allowing supervisors to attend remotely without the need to physically visit the construction area. This technology also incorporates an infrared camera that captures in real time images of construction and implementation activities.

The construction of Las Corchas and Los Naranjos, Endesa followed sustainable engineering criteria and applied Enel Green Power's model of "*Sustainable Construction Site*", including the installation of photovoltaic solar panels to cover part of the energy needs during the works, efficient lighting, separation of waste, use of an electric vehicle to reach different parts of the plants, and the supply of several defibrillators to ensure workers' health. Now that the work has been completed, these measures will be donated to the municipality of Carmona for public use.

Endesa's philosophy for building its renewable plants is part of its "Creation of Shared Value" (CSV) program that has led the Company to run renewable training courses for more than 125 people from Carmona and La Rinconada, most of them unemployed, who now have knowledge in the booming sector of how to assemble and dismantle photovoltaic plants.

Within Endesa's CSV program, the company has also worked alongside local associations in assembling hardware or donating materials, such as pallets and cable coils, for occupational workshops in Carmona.

What now?

The start of construction at these photovoltaic plants marks the completion of one phase, but the beginning of another, as Endesa chose these facilities to develop a pioneering and innovative project - agriculture and apiculture in photovoltaic plants.

This project is based on three hectares of aromatic plants cultivated among the company's photovoltaic panels in Carmona. This crop will allow the bees located between the panels to carry out their pollinating role, creating sustainable, solar-branded honey.

Endesa and the Municipality of Carmona are interested in **partnering** with solar beekeepers in the region, as the beekeeping activity is not only a boost for the socio-economic development of the local community, but also a clear example of how to return agricultural use to land. The project is in line with Endesa's concept of shared value and circular economy that the company is committed to replicate in all its renewable plants.

Comentario [FOM(C2): Correct?



More solar MW in the province of Seville

With an investment of 124 million euros in the province of Seville, Endesa will provide 172 MW of clean energy through its renewable projects: Las Corchas and Los Naranjos are already operational, another project, Torrepalma, is being approved and received administrative authorization for construction, while at Sol de Casaquemada, in Sanlúcar la Mayor, construction works are about to start.

Through EGPE, **Endesa** currently manages over 7,726 MW of renewable capacity installed in Spain. Of this sum, 4,711 MW is conventional hydropower, and the remaining is from wind power (2,362 MW), solar power (571 MW), mini-hydro (79 MW) and other renewable energy sources (3 MW).

Enel Green Power, within the Enel Group, is dedicated to the development and operation of renewables across the world, with a presence in Europe, the Americas, Asia, Africa and Oceania. Enel Green Power is a global leader in the green energy sector with an installed capacity of over 47 GW across a generation mix that includes wind, solar, geothermal and hydropower, and is at the forefront of integrating innovative technologies into renewable power plants.

About Endesa

Endesa is the leading electricity company in Spain and the second in Portugal. It is also the second gas operator in the Spanish market. It has developed an integrated business ranging from generation to commercialisation and also offers, through Endesa X, added value services aimed at decarbonising energy uses in homes, companies, industries and Public Administrations. Endesa is firmly committed to the United Nations SDGs and, as such, decisively promotes the development of renewable energy through Enel Green Power España, the electrification of the economy and Corporate Social Responsibility. In the latter area, we also work from the Endesa Foundation. Our human team has around 10,000 employees. Endesa is part of Enel, the largest electricity group in Europe.

Comentario [FOM(C3): What is the status of the approval??
Can we mention the project?

Comentario [FOM(C4): When?