Press release

Reinforcement of the transmission grid

Red Eléctrica commissions the expansion of the Cofrentes substation to drive the energy transition in Valencia

This is a strategic project to integrate renewable energies from facilities under development in the Ayora–Cofrentes valley.

València, 27 November 2025

Red Eléctrica, Redeia's subsidiary responsible for electricity transmission and system operation in Spain, has commissioned the expansion of the 400 kV Cofrentes substation in the province of Valencia. This project represents a step forward in the energy transition in the Comunitat Valenciana, as it enables the integration of energy from new renewable energy generation facilities. In this regard, the commissioning of this expansion —included in the 2021–2026 Electricity Transmission Grid Plan— helps meet the decarbonisation targets for the Spanish electricity system.

The expansion of the substation was completed on schedule after the administrative authorisation was granted in October 2024. The works involved adjusting the entry point of the Minglanilla–Cofrentes line into the substation, with no interruption to electricity supply at any point. The result is a new renewable energy generation connection, ready for facilities currently under development in the Ayora–Cofrentes valley.

Supporting the ecological transition in the Comunitat Valenciana

The expansion of the Cofrentes substation is part of the actions included in the current Planning and carried out by Red Eléctrica to enable the ecological transition of the Comunitat Valenciana while ensuring a secure and high-quality electricity supply for citizens and businesses.

This initiative joins other recently completed projects with the same goal, such as the commissioning of a new line between Ayora and Cofrentes (bundled into the same electrical lane with the existing line) and the expansion of the Ayora substation. In addition, reinforcement works have been carried out at the Requena, Sax, Beneixama, and Novelda substations, among others.

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