



El Salvador power grid battery storage

AES' Meanguera del Golfo solar plant--the first of its kind in Latin America--relies on enhanced solar-plus-battery storage technology to deliver uninterrupted, carbon-free electricity to isolated island communities and support economic growth in the Gulf of Fonseca region of El Salvador.

In constructing all the necessary infrastructure for its power generation plant, its floating storage and regasification unit (FSRU), and all the transmission infrastructure associated with its project, AES' Meanguera del Golfo invested US \$1.15 billion.

The deals will improve the stability and safety of the Salvadoran electricity grid, adding 11 MW / 8 MWh in two energy storage batteries providing regulated primary and secondary reserve services at the Capella Solar (140 MWp) and Providencia Solar (101 MWp) projects, located in the departments of Usulután and La Paz, respectively.

The award celebrates the innovation shown by Neoen in El Salvador to deliver the biggest battery project in Central America. The project comprises two large battery systems providing a total of 11MW / 8 MWh(1) at Neoen's Capella (140 MWp) and ...

The president of El Salvador's transmission company Etesal, Edwin Nájera, announced plans to install energy storage systems at substations managed by the company. This initiative, mandated by President Nayib Bukele, aims to address energy fluctuations, particularly in solar power, which can destabilize the distribution network.

The solar PV plus storage facility, Capella Solar, has been officially opened providing electricity and power reserve to El Salvador's grid. The Capella Solar operation located in the Usulután department in El Salvador's southeast - about 100km to the southeast of the capital San Salvador - is noteworthy for several reasons.

El Salvador is the country with the highest geothermal energy production in Central America. Total installed capacity in 2006 was 1,312 MW, of which 52% was thermal, 36% hydroelectric and 12% geothermal. The largest share of generation capacity (65%) was in private hands.

In a groundbreaking move towards sustainable energy solutions, AES El Salvador unveiled its latest venture, the AES Meanguera del Golfo solar plant, equipped with cutting-edge battery storage technology.

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