Enphase energy abu dhabi

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Scheduled for completion in Q3 2026, the Al Ajban Solar PV project is set to become one of the world’s largest single-site solar power plants, positioning the UAE as a frontrunner in renewable energy deployment. Expected to power 160,000 households and reduce carbon emissions by 2.4 million metric tonnes annually, the project aligns with the UAE’s commitment to triple renewable energy capacity by 2030 and achieve the targets outlined during COP28.

HE Dr Sultan Al Jaber, UAE Minister of Industry and Advanced Technology, lauded the project’s significance in propelling the nation towards a greener, more sustainable future. Hamad Al Hammadi, Chairman of EWEC, emphasized the UAE’s unwavering dedication to decarbonizing the energy sector and accelerating the transition to renewable technologies. Luc R?mont, Chairman and CEO of EDF Group, expressed gratitude for EWEC’s collaborative approach in realizing the Al Ajban Solar PV plant, emphasizing its role in combatting climate change.

Othman Al Ali, CEO of EWEC, reiterated the company’s commitment to advancing renewable energy projects and enhancing energy security in the UAE. Mohamed Jameel Al Ramahi, CEO of Masdar, highlighted the project’s contribution to the UAE’s Net Zero by 2050 initiative and global renewable energy targets. Park, Hyung Duck, CEO of KOWEPO, underscored the consortium’s dedication to shaping a sustainable future through innovative energy solutions.

With the financial close expected by Q3 2024, the Al Ajban Solar PV project signifies a significant milestone in Abu Dhabi’s energy transition journey, supporting the ambitious goals outlined in the UAE Energy Strategy 2050 and the UAE Net Zero by 2050 initiative. EWEC’s ambitious plans aim to provide over 50% of Abu Dhabi’s electricity from renewable sources by 2030, with substantial additions of solar PV capacity projected annually between 2027 and 2037.

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Abu Dhabi, July 27th 2020 - The bidder consortium, formed by French EDF Group subsidiary, EDF Renewables and Chinese Jinko Power Technology Co., Ltd, both global leaders in renewable energy, has been awarded the Al Dhafra solar project in Abu Dhabi, United Arab Emirates.

The future solar photovoltaic plant will be located in the region of Al Dhafra, 35 kilometers south of Abu Dhabi City. With a capacity of 2 GW, it will be the largest single-project solar plant in the world and will generate the equivalent electricity to power over 160,000 local households each year.

The plant will be the first one on such scale to deploy bifacial module technology, meaning that both sides of the PV modules capture light to yield higher generation.

A call for tenders was launched in June 2019 by Emirates Water and Electricity Company (EWEC), a leading company in the coordination of planning, purchasing and providing of water and electricity across the UAE. EDF Renewables - Jinko Power submitted the most competitive bid of 1.35 USD cent per kilowatt-hour on a Levelized Electricity Cost basis.

The project is under a public-private partnership (PPP) scheme. EDF Renewables and Jinko Power will hold 20% each. The 60% remaining share will be owned by TAQA and Masdar, the two Abu Dhabi based public-owned major players in the electricity sector.

The partners have signed the 30-year Power Purchase Agreement (PPA) this week with EWEC. They are mobilized to start the construction works by the end of 2020 in order to reach the commissioning planned in 2022. The project will generate over 4,000 jobs during the construction phase.

"We are very proud to be awarded the largest solar project in the world at Al Dhafra. This success reflects the quality of our competitive bid submitted to EWEC, in partnership with Jinko Power.