



Microgrid operation bahrain

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India's Bhageria Industries plans to build a utility-scale PV facility at the Khalifa Bin Salman Port of northeastern Bahrain. The project marks Bhageria's first international solar venture.

The Indian company, which started as a manufacturer of dyes and dye intermediates and has since diversified into solar, has been awarded a 10-year turnkey contract by APM Terminals Bahrain, which operates the Khalifa Bin Salman Port where the plant will be located.

The project was first announced in May 2023. Details from APM Terminals website say an official signing ceremony for the BHD 3.8 million (\$10 million) project took place in February.

Bhageria Industries will be responsible for the entire project cycle, including supply, construction and commissioning, as well as operation and maintenance for the duration of the contract. APM Terminals says the solar plant will transform the port "into the region's first fully solar energy powered seaport."

Bahrain had 57 MW of deployed solar at the end of 2023, up from 46 MW at the end of the year prior, according to figures from the International Renewable Energy Agency.

The country's National Renewable Energy Action Plan, released in 2017, set a target of 255 MW of solar capacity by 2025 and 700 MW of renewable energy power generation by the end of this decade.

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The A.P. Moller-Maersk subsidiary says that by installing 20,000 solar photovoltaic panels, it will make Bahrain's Khalifa Bin Salman Port the region's first seaport to be fully powered by renewable energy.

APM Terminals Bahrain has launched a \$10 million solar power project that will make Khalifa Bin Salman Port fully self-sufficient by the end of 2023. Through this project, the company seeks to reduce its greenhouse gas emissions by 70% by 2030 and to achieve carbon neutrality by 2040.

APM Terminals Bahrain, a subsidiary of A.P. Moller-Maersk, said it will use 20,000 solar photovoltaic panels



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for the project. The company says it will set an example for the entire maritime industry, using the energy to power various port operations, including container handling, crane operations, and lighting.

"We are very excited to take the first major step in our decarbonization plans, which will make Khalifa Bin Salman Port the region's first seaport to be fully powered by renewable energy," said Farooq Zuberi, Chief Finance Officer and Interim Managing Director, APM Terminals Bahrain.

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