

# Huawei Nassau Air Energy Storage Project





## Overview

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Will Huawei fusion solar power Red Sea city's off-grid energy needs?

Huawei's FusionSolar Smart String Energy Storage Solution will power the Red Sea City's off-grid, clean energy needs. The Red Sea Project, a key part of SaudiVision2030, is now the world's largest microgrid with 1.3GWh storage capacity.

Why is Huawei involved in the Red Sea project?

Huawei's involvement in the Red Sea Project underscores its commitment to sustainability, technological expertise, and collaboration. "The Red Sea Project provides an unparalleled opportunity to demonstrate this commitment and showcase our industry-leading innovation and technology," said Xing. "It's a blueprint for sustainable cities.

What is Huawei fusionsolar smart string energy storage solution (ESS)?

Central to this vision is Huawei's FusionSolar Smart String Energy Storage Solution (ESS). This solution will enable the Red Sea Project to independently meet its power needs. The microgrid solution addresses the intermittent and fluctuating nature of solar and wind power. It ensures the safe and stable operation of renewable energy systems.

What is Huawei doing in Asia-Pacific?

Meanwhile, in Thailand, Huawei built Asia-Pacific's largest single-site C&I PV and ESS plant at Mahidol University, including a 12 MW PV system and a 600 kWh ESS. "Huawei's smart string and grid-forming ESS solution significantly improves a power grid's ability to integrate renewable energy," Xing explained.



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### [Saudi Arabia Red Sea Project](#)

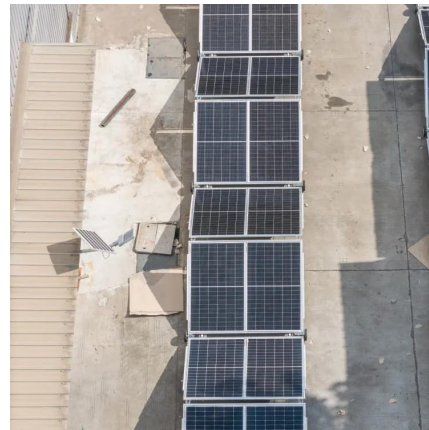
As a cornerstone of SaudiVision2030, the Red Sea Project now stands as the world's largest microgrid energy storage project, with a storage capacity of 1.3GWh. Utilizing Huawei ...

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### [Huawei unveils air & liquid cooled C&I storage system in SA](#)

hybrid air- and liquid-cooled C&I energy storage system (ESS), which it highlighted sets a new benchmark for efficiency and performance.

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Saudi Arabia's Red Sea Project will feature the world's largest photovoltaic-energy storage microgrid with a 400MW solar PV system and 1.3GWh storage capacity.

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One notable project is the collaboration with power utility companies to implement large-scale energy storage systems to support intermittent renewable energy sources, thereby addressing reliability ...



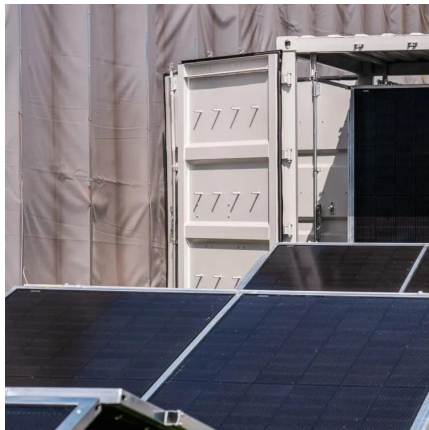
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### Pioneering energy storage system lights up 'roof of the world'

Now, the project's photovoltaic output has increased from the previous maximum of 1.5MW to 12MW. "Over 10 days of monitoring, Huawei's grid-forming energy storage ...

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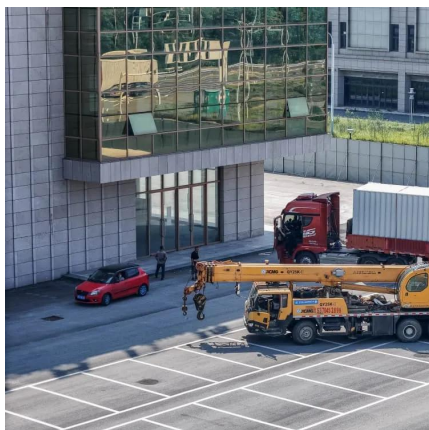
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[Huawei Energy Storage Project Structure](#)



The project, considered the world's largest solar-storage project, will install 3.5GW of solar photovoltaic capacity and a 4.5GWh battery storage system. The project has ...

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