

# **Huawei s new independent energy storage project**





## Overview

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As a cornerstone of SaudiVision2030, the Red Sea project now stands as the world's largest microgrid energystorage project, with a storage capacity of 1.3GWh. Utilizing Huawei's Smart String ESS solution, this groundbreaking project is redefining renewable energy infrastructure. What is Huawei's Red Sea energy storage project?

This project also represents the largest energy storage project since Huawei officially launched the Smart String Energy Storage Solution for utility-scale PV power plants in June 2021. Sitting on the Saudi Arabian Red Sea coast, the Red Sea project is one of the key projects as part of the Saudi Vision 2030.

What makes Huawei a great energy storage company?

Huawei has more than 10 years of experience developing and researching energy storage systems, and this has been applied throughout a global installed base of more than 8 GWh.

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.

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.

Is Huawei partnering with sepcoiii for a 1300 MWh off-grid battery energy storage system?



Huawei has recently signed the contract with SEPCOIII at Global Digital Power Summit 2021 in Dubai for a 1300 MWh off-grid battery energy storage system (BESS) project in Saudi Arabia, currently the world's largest of its kind.

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.



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### [Huawei and SchneiTec Commission the World's](#)

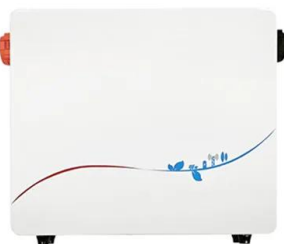
Huawei Digital Power, in collaboration with SchneiTec, has successfully commissioned Cambodia's first-ever TÜV SÜD-certified grid-forming energy storage project, ...

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### **Saudi: Huawei to power 'world's 1st fully clean-energy destination'**

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### [Huawei and SchneiTec Commission World's First TÜV SÜD ...](#)

SHANGHAI, June 16, 2025 /PRNewswire/ -- Huawei Digital Power, in collaboration with SchneiTec, has successfully commissioned Cambodia's first-ever TÜV SÜD-certified grid ...

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### **Huawei Wins World's Largest Energy Storage Project Contract in ...**

This will be the first large-scale commercial deployment of Huawei's Smart String Energy Storage solution, a technology launched in April 2021 that integrates digital information ...



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### [Huawei s largest photovoltaic energy storage](#)

Moreover,Huawei helped ACWA Power and Power Construction Corporation of Chinabuild the world's largest PV+ESS microgrid project in Saudi Arabia,which supplies clean ...

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### [Huawei Wins World's Largest Solar-Storage Project Order](#)

The project has commenced in November 2024. Huawei will equip the project with an energy storage container battery system and auxiliary components, a battery management ...

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### [Huawei Showcases Latest Achievements in Energy Storage ...](#)

In Saudi Arabia, Huawei has helped develop the world's largest photovoltaic storage microgrid project, "Saudi Red Sea 400MW Photovoltaic with 1.3GWh Storage," ...

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### [How is Huawei's energy storage project progressing?](#)

Huawei's energy storage project is advancing significantly, with distinct milestones achieved in 2023, expanding its global influence in renewable energy solutions, increasing ...

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### **Huawei Digital Power and Peak Energy Sign MoU at SNEC 2025 ...**

[Shanghai, China, June 11, 2025] Huawei Digital Power and Peak Energy, a leading Singapore-based Independent Power Producer (IPP), officially signed a Memorandum of Understanding ...

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### [Huawei Wins World's Largest Solar-Storage Project Order](#)

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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### [Huawei and SchneiTec Commission World's First TÜV SÜD ...](#)

Huawei Digital Power, in collaboration with SchneiTec, has successfully commissioned Cambodia's first-ever TÜV SÜD-certified grid-forming energy storage project, ...

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## 1300 MWh! Huawei Wins Contract for the World's Largest Energy ...

At the summit, Huawei Digital Power and SEPCOIII Electric Power Construction Co. Ltd. (SEPCOIII) signed a contract for the The Red Sea Project and will cooperate to help ...

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## HUAWEI WINS CONTRACT FOR THE WORLD'S LARGEST ENERGY STORAGE PROJECT

This project is part of the Red Sea Project, which aims to be the world's first fully clean energy-powered destination, showcasing Huawei's commitment to sustainable energy solutions<sup>2</sup>. The ...

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## [Huawei to Power the World's Largest Energy Storage Project](#)

Huawei has recently signed the contract with SEPCOIII at Global Digital Power Summit 2021 in Dubai for a 1300 MWh off-grid battery energy storage system (BESS) project ...

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### [The Cutting-edge technology behind the world's largest](#)

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

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### [Huawei signs world's largest energy storage project](#)

Huawei and SEPCOIII Electric Power Construction Co Ltd successfully signed the Saudi Red Sea New City energy storage project during the Global Digital Power Summit 2021 ...

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### [HUAWEI TO POWER THE WORLD'S LARGEST ENERGY STORAGE PROJECT](#)

Huawei Power Station Energy Storage Project  
Huawei is significantly involved in energy storage projects, notably the Red Sea project, which is the world's largest microgrid energy storage ...

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### **HUAWEI BAGS CONTRACT FOR THE WORLD'S LARGEST ENERGY STORAGE PROJECT**

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