

# SEMBCORP ENERGY STORAGE SYSTEM

## COLOMBIA



Why should you choose Sembcorp energy storage? As one of Asia's largest battery operators, our energy storage portfolio is well-positioned to support the evolving needs of power markets as they increase their uptake of renewable energy. The Sembcorp Energy Storage System is Southeast Asia's largest utility-scale ESS of 289MWh.



What is Sembcorp energy storage system (ESS)? Sembcorp Industries (Sembcorp) and the Energy Market Authority (EMA) officially opened the Sembcorp Energy Storage System (ESS) on 2 February 2023. The Sembcorp ESS is Southeast Asia's largest ESS and spans across two hectares of land in the Banyan and Sakra region on Jurong Island.



Why should you choose Sembcorp? As one of Asia's largest battery operators, Sembcorp's expertise in energy storage systems is well-positioned to support the transition to cleaner and more sustainable energy systems. Our in-house expertise allows us to build complex projects globally. In Singapore, we operate Southeast Asia's largest energy storage system.

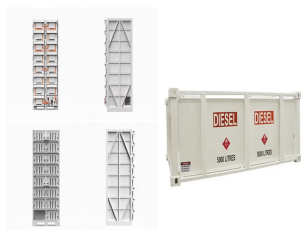


The National Grid Electricity System Operator (NG ESO) needs battery storage to dynamically manage the UK's energy system in real-time, especially when electricity demand dramatically and unexpectedly increases or when renewable sources are limited.



With that one project, Singapore its 200MWh by 2025 energy storage target and minister Gan Kim Yong said it helps to "counteract sharp and unexpected drops in solar energy." "EMA and Sembcorp are in discussions to expand the system and increase the land use density in tandem," Yong said.

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Sembcorp Energy UK is a subsidiary of Singapore's Sembcorp Group, which entered the UK energy market in 2003. Image: Sembcorp. Sembcorp Energy UK is planning on building what it claims will be Europe's ???



Singapore, February 2, 2023 ??? Sembcorp Industries (Sembcorp) and the Energy Market Authority (EMA) today officially opened the Sembcorp Energy Storage System (ESS). The Sembcorp ESS is Southeast Asia's largest ESS and spans across two hectares of land in the Banyan and Sakra region on Jurong Island. Commissioned in



Sungrow has agreed to supply battery energy storage system (BESS) technology to a large-scale project in Malaysia, one of Southeast Asia's biggest projects of its type. Sembcorp has successfully bid into a Solar Energy Corporation of India (SECI) tender to build a large-scale solar PV project paired with battery storage.



Energy storage systems (ESS) mitigate the intermittency of renewable energy sources such as solar and wind. They help to ensure a stable power supply by storing excess energy during high generation and discharging when needed.



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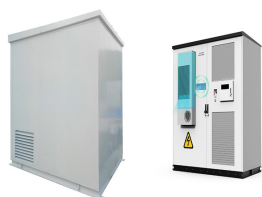
Sembcorp Energy Storage System at Jurong Island, Singapore. In the UK, we have 420MWh of battery energy storage in operation and under development. When fully completed, it will be one of the UK's largest battery energy storage ???



Sembcorp Energy Storage System at Jurong Island, Singapore. In the UK, we have 420MWh of battery energy storage in operation and under development. When fully completed, it will be one of the UK's largest battery energy storage facilities, as the nation advances towards its net zero target. Battery energy storage systems in the UK



30% interest in Sembcorp Gas ??? Fully delivered the 250MW SECI 2 project and commissioned 227MW of SECI 3. 357MW was completed in 2019 and 120MW year-to-date in 2020, bringing total operating renewables capacity in India to 1,654MW ??? Commenced operations for the first 60MW of a 120MW battery energy storage system in the UK  
Looking Ahead



2 ? Sembcorp Industries on Wednesday said its arm Sembcorp Green Infra has secured a 150 MW solar project coupled with a 300 MWh Battery Energy Storage System (BESS) from Solar Energy Corporation of India Ltd ???

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3 ? Comprising a 150 megawatt (MW) solar photovoltaic project and a 300 MW-hour battery energy storage system (Bess), this represents Sembcorp's first solar and Bess hybrid project in India. On Wednesday (Dec 18), Sembcorp said that the agreement comes as part of a bid for two-gigawatt (GW) interstate transmission system-connected solar power



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The 4-hour duration system would be built at the site of NTPC Ramagundam, a 2,600MW coal-fired power plant in Telangana, southern India. According to bidding documents, the scope of work includes design, engineering, supply, packing and forwarding, transportation, storage, installation and commissioning of the large-scale battery storage system.. The ???



The Sembcorp Energy Storage System is Southeast Asia's largest utility-scale ESS of 285MWh. Built across two sites on Jurong Island, our ESS enhances Singapore's grid resilience by mitigating the impact of solar intermittency as the republic progresses towards achieving its 2030 solar target of at least 2GWp and energy storage systems

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The utility-scale ESS has a maximum storage capacity of 285 megawatt hour (MWh), and can meet the electricity needs of around 24,000 four-room HDB households for one day, in a single discharge. Its rapid response ???



Singapore-based energy and urban development group Sembcorp is building 200MWh of battery storage systems on Jurong Island, home to much of the country's industrial activity. Jurong Island was formed through land reclamation efforts that began in the late 1960s and culminated in its establishment as one of the world's top 10 chemicals



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2 ? Sembcorp Industries secures a 150 MW solar project with 300 MWh energy storage in India, its first hybrid project in the country, expanding its global renewables capacity to 16.5 GW. on Wednesday said its arm Sembcorp Green Infra has secured a 150 MW solar project coupled with a 300 MWh Battery Energy Storage System (BESS) from Solar Energy

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Sembcorp Energy Storage System at Jurong Island, Singapore. In the UK, we have 420MWh of battery energy storage in operation and under development. When fully completed, it will be one of the UK's largest battery energy storage facilities, as the nation advances towards its net zero target. Battery energy storage systems in the UK



Singapore, October 7, 2024 ??? Sembcorp Solar Singapore (Sembcorp Solar), a wholly-owned subsidiary of Sembcorp Industries, has been appointed as the first SkillsFuture Queen Bee for the Energy and Power sector. SkillsFuture Queen Bees are well-established and well-respected companies in the ecosystem, who partner SkillsFuture Singapore (SSG) to uplift many other ???



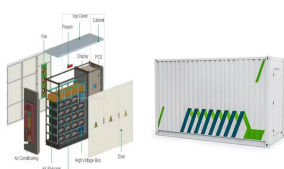
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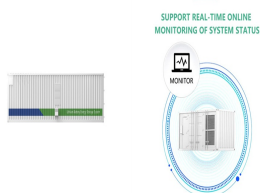
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Battery energy storage systems (ESS) provide critical frequency and stability support to power grids. As one of Asia's largest battery operators, our energy storage portfolio is well-positioned to support the evolving needs of power ???



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Mr Ngiam Shih Chun, Chief Executive of the Energy Market Authority, said: "Energy Storage Systems (ESS) such as the Sembcorp ESS will play a significant part in supporting Singapore's transition towards cleaner energy sources. This large-scale ESS marks the achievement of Singapore's 200MWh energy storage target ahead of time.



Whether you are looking to optimise your energy profile or to lower your carbon footprint, Sembcorp can meet your unique energy needs. Energy Storage Systems. We are one of Asia's largest energy storage system operators, supporting solar deployment and enhancing grid reliability in Singapore.



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Sembcorp Energy UK is a subsidiary of Singapore's Sembcorp Group, which entered the UK energy market in 2003. Image: Sembcorp. Sembcorp Energy UK is planning on building what it claims will be Europe's largest battery energy storage system (BESS) at its site at Wilton International on Teesside, in north-east England.