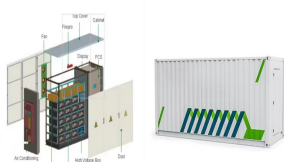
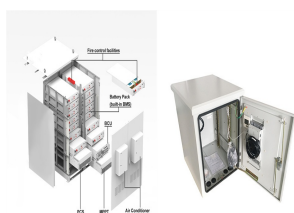


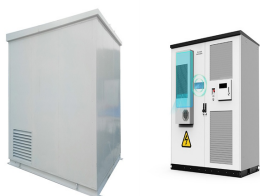
THAILAND ENERGY STORAGE POWER PLANT PROJECT



Energy-Storage.news" publisher Solar Media will host the 2nd Energy Storage Summit Asia next week, 9-10 July 2024 in Singapore. The event will help give clarity on this nascent, yet quickly growing market, bringing together a community of credible independent generators, policymakers, banks, funds, off-takers and technology providers.



The Electricity Generating Authority of Thailand (EGAT) held a commercial operation date (COD) ceremony for a 3 MW solar power plant and 4 MW battery energy storage system project. May 2023: Acciona Energia and the Blue Circle announced inking a 25-year power purchase agreement (PPA) in Thailand for five wind farms with a total capacity of 436 MW.



Since the publication of its latest Power Development Plan (PDP) in 2020 (PDP 2018 Revision 1), Thailand has considerably increased its emissions reductions objectives, announcing a net zero greenhouse gas emissions target for 2065 and carbon neutrality for 2050.



Sungrow is also supplier of BESS equipment to a Thai solar-plus-storage plant which will host Southeast Asia's biggest battery system so far, at 45MW/136.24MWh. Thailand's government is targeting 37% renewable energy in the energy mix by 2037, equivalent to just under 2.8GW of renewable generation.



Delphos served as a subcontractor to POWER Engineers on a feasibility study for a 42 MW solar PV power plant and an integrated 12 MW (54 MWh) energy storage system located in Suphan Buri Province, Thailand (Northwest of Bangkok) for Blue Solar, the grantee. The Project was introduced as a part of the Government of Thailand's [???

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This agreement was the driver for Super Energy and Sungrow's cooperation on this major Thai BESS project. Besides, this plant is also a pioneer of SPP Hybrid Firm Power Purchasing Program, an initiative launched by Electricity Generating Authority of Thailand, aiming to make renewable energy the stable supply of future power.



Over the next five years, the Ministry of Energy aims to purchase electricity from renewable energy companies totaling more than 3,042 MW, with 1,933 MW from community power plant projects, 400 MW from community waste, 270 MW from, and 250 MW from solar.



Sungrow places Thailand as a significant market and has installed a total of over 1 GW capacity of PV inverters and over 140MWh energy storage systems there. Its industry-leading PV inverters and energy storage systems have been well applied in many significant RE projects, quickening Thai's pace to adopt more renewable energy.

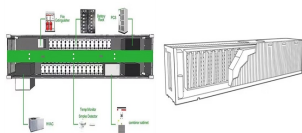


Srinagarind Pumped Storage is a 360MW hydro power project. It is located on Khwae Yai river/basin in Kanchanaburi, Thailand. According to GlobalData, who tracks and profiles over 170,000 power plants worldwide, the project is currently active. It has been developed in ???



An aerial drone photo taken on March 5, 2024 shows the Ubolratana Dam hydro-floating solar hybrid power plant in Khon Kaen, Thailand. A hydro-floating solar project jointly built by Chinese and Thai companies started commercial operation on Tuesday to support Thailand's development of clean energy.(Xinhua/Lin Hao) This photo taken on March 5

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Advocates of nuclear energy cite its cost-effectiveness and global availability of uranium resources as compelling reasons for its inclusion in Thailand's future energy landscape. As Thailand moves forward with its revised Power Development Plan for 2024, the nation stands at a crossroads of balancing environmental sustainability with energy



There are electricity generation projects with a total installed capacity of 170,000 megawatts covering 13 countries worldwide. signed a memorandum of understanding for the purchase of electricity (Tariff MOU) with the Electricity Generating Authority of Thailand ("EGAT") to develop the Pak Beng Hydroelectric Power Plant Project (or Pak



The project will be located in Sa Kaeo province and is estimated to have a cost of around USD 60 million. It will have an installed power generation capacity of 49 MW from a solar farm, backup power from a 1 MW biogas-fired power plant, and a 136 MW-hour energy storage system.



The 2-billion-baht project has an installed power generation capacity of 49 megawatts from an on-ground solar farm, with back-up power from a 1MW biogas-fired power plant and a 136MW-hour energy storage system. The facility, located in Sa Kaeo province, claims to have the largest capacity in Southeast Asia for a hybrid renewable power plant.



Southern Thailand Wind Power and Battery Energy Storage Project:
Project Number: 53174-001: Borrower / Company ADB Finances First Wind Power and Battery Storage Project in Thailand The Asian Development Bank (ADB) today signed a THB235.6 million (\$7.3 million) loan with Lomligor Company Limited (Lomligor), a subsidiary of BCPG Public

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The PSH plant would serve as a long-duration, high-capacity energy storage option to support increased renewable energy integration and power system reliability in Thailand. "USTDA has a 30-year history of partnering with EGAT on the development of Thailand's energy infrastructure priorities.



According to the deal, GE's Power Conversion business was chosen by the engineering, procurement and construction company that was awarded this project by EGAT to provide two 16.5-MW, water-cooled static frequency converters (SFC) for EGAT's hydro power plant, located in Lam Ta Khong, Thailand.



Super Energy SPP Hybrid Power Project is a 16MW solar PV power project. It is located in Sa Kaeo, Thailand. According to GlobalData, who tracks and profiles over 170,000 power plants worldwide, the project is currently active. It has been developed in a single phase. Post completion of construction, the project got commissioned in January 2023.



Dungowan Pumped Hydro Energy Storage Project, New South Wales. The 500MW Dungowan project is a pumped hydro energy storage (PHES) power plant, which is proposed to be developed in New South Wales (NSW), Australia.



Mitsubishi Power, a power solutions brand under Mitsubishi Heavy Industries (MHI), has completed the construction of the eighth and final M701JAC unit for a 5,300MW natural gas-fired power plant in Thailand. This project, a joint venture between Gulf Energy Development Public Company, one of Thailand's largest independent power producers (IPP

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On November 15th, 2022, Sungrow, the global leading inverter and energy storage solution supplier and the Provincial Electricity Authority of Thailand (PEA) signed a Memorandum of ???



Hin Kong combined-cycle power project is being constructed in the premises of Tri Energy power plant, which will be dismantled by July 2021. The EIA report of the Hin Kong power project was approved by Thailand's Natural Resources and Environmental Policy and Planning Office in July 2020.



The Southern Thailand Wind Power and Battery Energy Storage Project is the first private sector initiative in Thailand to integrate utility-scale wind power generation with a battery energy storage system. "Lomligor is the first wind power plant in Thailand to adopt energy storage system technology as the solution to the intermittency of



For example, in 1978, EGAT, in cooperation with other organizations, made an exploration of the source of geothermal energy and in 1989 the first geothermal power plant in Thailand was constructed. For wind energy, "Phrom Thep Renewable Energy Station" has been used as the testing station for electricity generation from wind power since



As a project, it appears similar in scope to another Indonesian coal mine project for ITMG by Hitachi Energy (then known as Hitachi ABB Power Grids) that Energy-Storage.news reported on in February 2021 shortly after it was completed. That project was slightly larger, pairing 12MWp of PV with a 2MW/2MWh BESS.

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1. Chulabhorn Pumped-Storage Hydro Power Plant (3 Units) 800 2031 2. Srinagarind Pumped-Storage Hydro Power Plant (3 Units) 800 2033 Total 1,600 As renewables energy such as solar and wind occupy a larger portion, the future pumped-storage project will enhance grid stability and support Grid Modernization.



Moreover, the pumped storage hydropower plant is considered a large-scale energy storage which helps maintain stability, reduces fluctuations of power system, and supports development of grid modernization. Ms. Enoh T. Ebong, Director of USTDA, said that USTDA and EGAT has partnered to develop Thailand's energy infrastructure for 30 years.



The project is being developed and currently owned by Newsky Energy Thailand. Municipal solid waste will be used as a feedstock to power the project. Development status Post completion of the construction, the project is expected to get commissioned in 2024. For more details on Nong Khaem Biomass Power Project, buy the profile here.



The Electricity Generating Authority of Thailand invites submission of qualifications and proposal data (collectively referred to as the "Proposal") from interested U.S. firms that are qualified on the basis of experience and capability to execute a feasibility study to assess the technical and economic viability of development of a grid-connected pumped storage hydropower (PSH) ???