



Sophia energy storage project tender announcement

Is there a potential market for Sophia technology?

A large potential market exists for the SOPHIA technology with production capacities. In 2010 the European Commission has adopted the Communication "Energy 2020 - A strategy for competitive, sustainable and secure energy". It includes five headline targets that set out where the EU should be in 2020.

What are Akaysha Energy's biggest projects?

Akaysha Energy's 415 MW /1660 MWh battery in Wellington and AGL's 500 MW /1000 MWh Liddell battery are the round's two biggest projects. Artist impression of Akaysha Energy's Orana Battery Energy Storage System (BESS). Image: Akaysha Energy

Where can Sophia Systems be deployed?

Large scale SOPHIA like systems can be deployed in Southern Europe as the market analyses have shown. Deployment of stand-alone SOEC systems can be worldwide. EPFL is an important institute for education, training and PhD students in the field of system modelling, solar receiver modelling and fuel cell and electrolyser research.

What is the techno-economic optimal configuration of Sophia plant?

Concerning the H₂ production, it was observed that the techno-economic optimal configuration is when the chemical process part of SOPHIA plant works with a baseload, the intermittency of the solar power generation being smoothed by the CSP process part.

Does Sophia plant need to increase its production?

In case SOPHIA plant need to increase its production (during the night for example) electricity market was investigated and we found that electricity average annual market price was 34.6 EUR/MWh in 2014. For France and prospective prices were estimated by 2030.

How many short-stacks have been tested during the Sophia Project?

During the SOPHIA project, 7 short-stacks from SOLIDpower have been tested by VTT and EPFL. A test matrix that has been used to explore different operating conditions (temperature, gas compositions) and type of test conducted within the project (durability, load cycling). Altogether, more than 13000 hours of testing has been reached.

The Saudi Electricity Company (SEC) has launched a tender for large-scale battery energy storage systems (BESS) across five key locations in Saudi Arabia. The company aims to set up a BESS system network with a combined capacity of 2,500 MW and 10 GWh, to improve the stability and flexibility of the country's grid. This action [...]



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Tender Bulletins that contain tenders in the Project and Construction Management, Project Planning, Monitoring and Evaluation category that have been issued by the SA Government, State departments, Provinces and State owned companies ... and Social Facilitation for the Photovoltaic System with Battery Energy Storage System and Generator Set ...

In a separate announcement, Indian renewable energy solutions provider Serentica Renewables has invited expressions of interest (EoI) to set up interstate transmission system-connected battery energy storage systems (BESS). The projects should supply 800 MWh of battery storage capacity to Serentica's round-the-clock green energy projects.

Polish state-owned energy company PGE Group announced a tender for the construction of a battery energy storage facility in ?arnowiec, which is likely to become the nation's largest once completed. ... The company's stated goal is to build a 5 GW portfolio of renewable energy and storage projects in Europe by 2030, via DRI, with up to 1 GW ...

The Department of Energy (DOE) of the Philippines government has confirmed that a tender for renewable energy projects with integrated energy storage will launch this year. According to an announcement from the department yesterday, the fourth round of the DOE's Green Energy Auction (GEA-4) will be conducted in the fourth quarter of 2024.

CALGARY, Alberta, Oct. 09, 2024 (GLOBE NEWSWIRE) -- News Release - TC Energy Corporation (TSX, NYSE: TRP) ("TC Energy") today announced that TransCanada PipeLines Limited (the "Company"), a wholly-owned subsidiary of TC Energy, has released (i) the results of its previously announced seven separate offers (the "Offers") to purchase for cash the ...

The Bulgarian Ministry of Energy has opened a public consultation on the design of the country's first tender for subsidies for renewables with collocated energy storage. Grants are proposed to cover up to 50% of the cost of the storage component, whose capacity in MW must be equal to between 30% and 50% of the wind or solar project.

As per the tender details, RUMSL has earmarked Morena Solar Park to develop this facility. The bidders can apply for this tender upto January 20, 2025. This comes at a time when the solar plus energy storage projects are on the rise. The tender said that the bidders would need to develop two blocks of 300 MW of solar project with BESS.

The Winners Are Set to Be Announced for the Energy Storage Awards! Energy Storage Awards, 21 November 2024, Hilton London Bankside ... national tenders oversubscribed and 2GWh project contract awarded. May 2, 2024. Australia's energy storage sector has seen trio of significant announcements around major battery energy storage system (BESS) ...



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These projects will be developed on a build-own-operate basis. NTPC set a minimum project size of 50 MW, with increments allowed in multiples of 10 MW, and a maximum allotment of 600 MW per bidder. Energy storage systems are required for each project, and a minimum of 90 per cent power availability during peak hours is mandated.

However, according to a source Energy-Storage.news spoke to, it is very likely to be JSW Renew Energy Five, a subsidiary of JSW Energy, which is in the portfolio of Indian conglomerate JSW Group. JSW Group won SECI's first pilot tender for standalone battery storage, splitting the 1,000MWh capacity across two equally sized 250MW/500MWh ...

In the past couple of days developer Akaysha Energy has disclosed a AU\$250 million (US\$163.57 million) debt financing deal, Commonwealth energy minister Chris Bowen revealed huge interest in a tender scheme and state-owned utility Synergy awarded a AU\$160 million contract for work on a 2GWh BESS project.

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On 25 July 2024, the Bulgarian Ministry of Energy closed the open discussion on the terms and conditions for the upcoming battery energy storage system (BESS) tender, deciding that more than 3000 MWh will be funded by grants from the EU's Recovery Resilience Facility.¹

Rendering of a project to put a 100MW hydrogen electrolyser facility at the site of a gas power plant in Lingen, Germany. Image: RWE . The German government has opened a public consultation on new frameworks to procure energy resources, including long-duration energy storage (LDES).

The tender calls for the procurement of five energy storage systems targeting a total of 616 MW/2,464 MWh. With bids due by July 31, 2024, the projects will be situated at five pre-selected substation sites identified by South African energy company Eskom. The sites include the Harvard, Leander, Theseus, Everest and Merapi substations in the ...

Preferred Bidder announcement is targeted approximately 3 (three) months post the Bid Submission Date and Financial Close will be approximately 6 (six) months post Preferred Bidder announcement. ... **FIRST TWO GRID-SCALE IPP BATTERY ENERGY STORAGE PROJECTS IN SOUTH AFRICA REACH COMMERCIAL CLOSE. ... (BID WINDOW 3) IPPPP Tender No: ...**

BESIPPPP is being run by the Department of Mineral Resources and Energy (DMRE), which issued a request for proposals (RFP) for the procurement seeking five 4-hour BESS projects back in March this year. Four out of five projects have now seen a party given preferred bidder status with a fifth "to be appointed", the South Africa state body said on the ...



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The Hungarian Ministry of Energy has announced that around 50 grid-scale energy storage projects with a cumulative capacity of 440 MW have received subsidy support through a tender launched in ...

The ministry released a statement a day prior to the application window's opening. Energy minister Vladimir Malinov said the investments, worth up to BGN1,153,939,700 (US\$657.4 million) "will guarantee the security and stability of the Bulgarian electricity system." Tender bids must be submitted electronically, with more information available on this portal. ...

The company plans to participate in future tenders from the RAE, it added, and will use its own aggregator unit to control the winning energy storage project. Greece is aiming to have 3GW of energy storage online by 2030 to help it hit renewable energy targets, the this round of financial aid to projects is part of getting there.

Authorities will check the status of every project in May 2025, the announcement reads. Bulgaria relying heavily on energy storage in green transition. Bulgaria already held the first two tenders for battery energy storage systems (BESS) that would be integrated with renewable electricity plants.

A consortium consisting of renewable energy developer, Mulilo, and independent power producer, EDF Renewables, has been selected as the preferred bidders for three battery energy storage system (BESS) projects in South Africa.. Boasting a capacity of 257 MW/1,028 MWh, the projects will be situated in South Africa's Northern Cape and North West Provinces, ...

Final Report Summary - SOPHIA (Solar integrated pressurized high temperature electrolysis) Executive Summary: The project aims at bringing forward the high temperature electrolysis ...

The Minister of Electricity and Energy, Hon. Dr. Kgosientsho Ramokgopa, is pleased to announce the successful signing of the Projects Agreements and Commercial Close of the first two Projects appointed as Preferred Bidders under the first Battery Energy Storage Independent Power Producer Procurement Programme (BESIPPPP) Bid Window 1.

PUBLIC TENDERS ANNOUNCEMENT Azure Energy Angola S.p.A., Azure Energy Angola (Block 18) BV, Azure Energy Exploration Angola Ltd, Azure Energy Angola B.V, ... o Storage and management of archived material/equipment service; ... - Operational Technology (OT) Project Management; - Operational Technology (OT) Solution Architect;

On 13 August, PGE said it is seeking to deploy 26 systems, with capacities ranging from 2MW to 10MW, for a total of 107MW/214MWh of electricity storage. "The project of building distributed energy storage is a market response to the demand of local distribution systems for the possibility of storing surplus renewable energy and then using it ...

The Ministry of Mineral Resources and Energy (MIREME) of Mozambique has announced a new initiative



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under the GET FiT Mozambique Program, funded by the Government of Germany through KfW Development Bank. This initiative aims to support decentralized utility solar photovoltaic (PV) and battery energy storage system (BESS) projects, to be ...

3 · US solar and storage development company Strata Clean Energy LLC on Tuesday said it has signed a 20-year tolling agreement for its 100-MW/400-MWh White Tank energy ...

Romania's energy ministry has re-launched a competitive tender for battery storage projects, seeking to have at least 240MW/480MWh of energy storage facilities up and running by mid-2026. ... A total of EUR79.6 million is allocated for the battery energy storage project. EUR199 million will be spent on related manufacturing capacity. Of this ...

Support is available for up to 50% of costs but no more than BGN 743,215 without VAT per 1 MW of installed co-located storage capacity. The deadline for project applications is June 12. The announcement of the tenders follows a public consultation initiated in October 2023. (BGN 1 = EUR 0.511/USD 0.557) Choose your newsletter by Renewables Now.

The Ministry of Mineral Resources and Energy (MIREME) of Mozambique has announced the launch of a new tender for decentralized solar photovoltaic (PV) and battery energy storage system (BESS) projects. Funded by a grant from the Government of Germany through the KfW Development Bank, the initiative is part of the GET FiT Mozambique Program ...

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