

Why do we need energy storage solutions in Bulgaria?

Establish a reliable energy system with greater share of intermittent generation. In the context of Bulgaria's energy landscape, energy storage solutions present a diverse array of benefits to various stakeholders stemming from its unique ability to time-shift energy and rapidly respond when called upon. The applic

Can battery-based energy storage improve peaking capacity in Bulgaria?

Storage can also offer greater flexibility and efficiency in managing the grid. Furthermore, and although hydropower storage already makes up a significant source of peaking capacity in Bulgaria, battery-based energy storage can address peaking needs during times of droughts, meet requirements for more distributed peaking po

What challenges will Bulgaria face on its energy transition?

Get a glimpse of the new challenges Bulgaria will face on its energy transition. In May 2023, Bulgaria was for the first time in a decade a net importer of electricity<sup>2</sup>. The reason for this was not a lack of generating capacity, but instead the natural logic of power markets seeking the

Is a peaking plant a viable alternative for Bulgaria's peaking capacity needs?

Effective and fast-responding alternative for Bulgaria's peaking capacity needs. With limited natural gas reserves and uncertain costs for imported energy, storage can provide a reliable source of power during peak demand periods on the Bulgarian grid. Compared to traditional peaking plants

Are electricity prices volatile in Bulgaria?

Electricity prices (where all businesses buy power) in Bulgaria are currently highly volatile. In 2022, Bulgaria saw wholesale electricity prices that were among the

Who can benefit from a high imbalance in Bulgaria?

the market after grid services than standalone solar **BALANCING AND PORTFOLIO OPTIMISATION** Considering the high imbalance<sup>6</sup> changes seen in Bulgaria, Balance Responsible Parties (BRPs) such as utilities, traders, and IPPs as well as DSOs can also benefit fr

Company Signs Agreement in Bulgaria to Promote Energy Security. Cranberry Township, PA, May 5, 2022 - Westinghouse Electric Company and Bulgarian Energy Holding (BEH), the state-owned energy enterprise, have signed today a Memorandum of Understanding to implement Long-Duration Energy Storage (LDES) in Bulgaria. The signing was witnessed by ...

AES is one of the world leaders in the energy storage sector. As part of their expansion, the company is planning to develop a battery storage project in Bulgaria. In the middle of 2015, the company presented its proposal for the development of the battery storage technology in Bulgaria to the Minister of Energy.

Bulgaria has installed between 40 MWh and 50 MWh battery energy storage capacity to date. However, a new national legislation as well as funds provided through the European Union's Recovery and Resilience Facility could see the country install another 1 GWh over the next two years.

Bulgaria has installed between 40 MWh and 50 MWh of battery energy storage capacity to date. However, new national legislation as well as funds provided through the European Union's Recovery and Resilience Facility (RRF) could add another 1 GWh of storage capacity over the next two years.

Bulgaria's Ministry of Energy has launched two tenders to add 1,425MW of renewable power generation to the grid and 350MW of battery energy storage system (BESS) projects. The ministry said the main objective ...

Shell has been selected to search and explore for oil and natural gas in Block 1-26 Khan Tervel . Subject to permit award, Shell Exploration and Production (96) B.V., a subsidiary of Shell plc ("Shell"), will be exploring for oil and natural gas in Block 1-26 Khan Tervel, located in the exclusive economic zone of Bulgaria in the Black Sea.

Renalfa IPP opened the first large-scale BESS project in Bulgaria and one of the largest in the region. By developing utility-scale energy storage at strategic locations, energy prices will become more stable, and the energy industry will become less dependent on conventional energy resources.

On 21 August 2024, the Bulgarian Ministry of Energy opened a tender procedure for National infrastructure for storage of renewable energy (RESTORE) for granting stand-alone battery energy storage system (BESS) tender funded under ...

Bulgaria earmarked EUR 589 million for the endeavor, funded under the European Union's Recovery and Resilience Facility. The Ministry of Energy in Sofia plans to launch a tender on September 2 for standalone ...

In the context of Bulgaria's energy landscape, energy storage solutions present a diverse array of benefits to various stakeholders stemming from its unique ability to time-shift energy and rapidly respond when called upon. The applications below are just some examples of how energy storage can benefit Bulgaria. PEAKING CAPACITY Energy ...

In our latest white paper, we dive the current state of the Bulgarian Power market and the potential of energy storage applications to revolutionize Bulgaria's energy landscape. Want to jump straight to the white ...

Following a three-month delay, the Ministry of Energy of Bulgaria combined five planned procedures for grants for energy storage facilities into three and launched calls for two of them. The aim is to support the buildout of renewable electricity plants, with which the subsidized systems would be integrated into hybrid power plants.

By the application deadline on December 5 for its RESTORE program, Bulgaria's Ministry of Energy received proposals for 151 projects for standalone energy storage units. It said they amount to almost EUR 2.55 billion, compared to EUR 581 million available in state aid, or 4.3 times more.

Bulgaria has called for applications in a tender process for about 3 GWh of energy storage capacity in the country. The scheme was announced earlier in June this year. As part of the National infrastructure for the storage of electricity from renewable sources (RESTORE), the country's Ministry of Energy is seeking battery energy storage system ...

The deadline has now passed for Bulgaria's EU-backed support scheme for standalone energy storage, and the bids submitted amount to four times the available capital available. Some 151 project bids for support were submitted for the scheme, which will provide up to 1.154 billion BGN (EUR590 million/US\$540 million) for up to 50% of the ...

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