

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

Where can I find information about Bulgarian energy holding?

Current and reliable information about the activities and initiatives of Bulgarian Energy Holding is published only on the company's official website. BGN 11,523 mln.

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

Is Bulgaria a profitable market for power arbitrage?

With energy storage systems in place, Bulgaria is seen as a potentially profitable market for power arbitrage within the European Union. The government is focusing on energy storage as a key component of the country's energy transition.

Which hydro power plants produce electricity in Bulgaria?

The main electricity generation is provided by hydro power plants grouped in four hydro power cascades: Belmeken - Sestrimo - Chaira Hydro Power Complex, Batak Cascade, Dospat-Vacha Cascade and Arda Cascade. NEK EAD is a major player in the electricity market of Bulgaria guaranteeing security of supplies.

Is Bulgarian energy holding promoting commercial and investment activities?

In connection with numerous reports received regarding frequent publications on the Internet and social networks, through which the suggestion to carry out commercial and investment activity on behalf of Bulgarian Energy Holding is aimed, the management of the Holding categorically states that the disseminated information is misleading and false.

So, reducing energy consumption can inevitably help to reduce emissions. However, some energy consumption is essential to human wellbeing and rising living standards. Energy intensity can therefore be a useful metric to monitor. Energy intensity measures the amount of energy consumed per unit of gross domestic product.

The company's investment plan includes Italy, where it recently commissioned the first two solar parks.

Public Power Corp. - PPC Group said it commenced the construction of a photovoltaic plant in Stara Zagora in central Bulgaria. The project involves 260,000 bifacial solar panels with an expected annual power generation of more than 265 GWh.

Bulgarian Energy Holding provides electricity generation, supply, and transmission, natural gas transmission, supply, and storage, and coal mining services. Bulgarian Energy Holding owns the majority of the country's electricity generation facilities, as well as the electricity transmission grid and gas transmission and transit networks.

Bulgaria already held the first two tenders for battery energy storage systems (BESS) that would be integrated with renewable electricity plants. Bulgaria gives special focus to energy storage. Earlier this month, ...

Bulgarian Energy Holding (BEH) is the holding company for a group of companies which are principally engaged in electricity generation, supply and transmission, natural gas transmission, supply and storage and coal mining. BEH Group holds a leading position in the electricity and gas market in Bulgaria and, through electricity exports, in the Balkans.

National Electricity company EAD (NEK) is a sole-owner shareholding company, 100% owned by Bulgarian Energy Holding EAD, having its seat in Sofia. The company is managed by a three-member Board of directors. NEK's main activity is electricity trade and generation. NEK owns and operates 30 HPPs / hydro power plants/ and PSHPPs / pumped storage hydro power plants/ ...

There are currently three operational pumped hydro storage projects in the Republic of Bulgaria. Their combined capacity is around 1.4 GW. All these three projects are operated by the National Electricity Company EAD, a company licensed as the Public Supplier and for the production of electricity under the Bulgarian laws.

1.1.1. According to the official data of the Energy and Water Regulatory Commission (EWRC), in the period 2018 2020 there is a constant decrease in the total electricity - generation in the country averaging 5.8% per year to below 37.5 TWh in 2020. In 2021, this downward trend is interrupted, and the total electricity generation sharply

Bulgaria's energy storage programme oversubscribed 4.3 times. ... Bulgarian company Solaris Holding has inaugurated a 32 MWp hybrid solar park, adding to the country's renewable energy capacity. ... Grants for the generation and ...

GE is known for its involvement in various energy storage projects, particularly when it comes to grid-scale battery storage solutions. It continues to be at the forefront of developing and deploying advanced energy storage technology and putting forward contributions to the energy storage space that underscore its leadership and influence. 8. AES

B.S. companies are competing with Chinese and European companies in the renewable energy market. Chinese companies, due to low prices, continue to dominate, however, foreign-owned portion of the local renewable energy power generation market offers significant opportunities to U.S. companies, particularly in following products: Energy storage

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 of the investment, totalling BGN535.1 million (US\$298.2 million), is to increase the share of clean energy in Bulgaria by supporting ...

PRESS RELEASE. March 17 th, 2025 Dynamic expansion of PPC Group in Bulgaria · Commencement of construction of a new photovoltaic plant in Stara Zagora- Bulgaria, with a total capacity of 165 MW p and a Battery Energy Storage System (BESS) with a nominal capacity of 25 MW and 55 MWh storage capacity · 260,000 bifacial photovoltaic panels with an expected ...

The latest white paper, prepared by Fluence in collaboration with APSTE, examines the current state of the Bulgarian energy market and the potential for energy storage applications to revolutionise the energy landscape in Bulgaria. The Current State of the Bulgarian Power Market: Why is Energy Storage More Relevant than Ever? The Bulgarian power sector is ...

Units 1 and 2 are being repurposed for renewable power generation and storage projects, leveraging existing infrastructure to support Bulgaria's energy transition. The company aims to achieve 300 MW of renewable capacity by 2025 and 404 MW by 2027. While the development of the repurposing of unit 1 and unit 2 goes on, units 3 and 4 will be ...

A 25MW/55MWh battery energy storage system (BESS) has been commissioned in Bulgaria, Eastern Europe, by operator Renalfa IPP, using technology provided by Chinese firms Hithium and Kehua. The project is co-located with a 33MWp PV plant in southwestern Bulgarian city of Razlog and is connected to the transmission system operator (TSO) grid.

Bulgarian state-owned power utility, the National Electricity Company (NEK), plans to install a 10 MWh battery energy storage system (BESS) at its recently reconstructed Vacha 1 hydropower plant by the end of this year. Additionally, NEK has launched a tender to convert four other hydropower plants into hybrid power plants, with estimated costs totaling EUR 63.2 million.

Bulgarian Energy Holding EAD | 391 followers on LinkedIn. Bulgarian Energy Holding (BEH) is the holding company for a group of companies which are principally engaged in electricity generation, supply and transmission, natural gas transmission, supply and storage and coal mining. BEH Group holds a leading position in the electricity and gas market in Bulgaria and, through ...

Chart 2: Solar Share (in %) of Net Electricity Generation in Bulgaria 2013 - 2023; Source: ENTSO-E. The recent sharp increase in solar photovoltaic capacity and the expected increase of wind power capacity in ...

Introduction Bulgaria's energy sector is at a critical juncture, with two main objectives shaping its direct ... coal and nuclear still dominate the country's power generation, which could hinder progress toward achieving a more diversified and cleaner energy portfolio. ... including solar energy and battery storage, to reduce dependency on ...

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Bulgarian Power Generation and Storage Company

