

## European Solar and Energy Storage Solutions

# Bosnia and Herzegovina smartenergy device



## Overview

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Should Bosnia and Herzegovina use more energy?

Bosnia and Herzegovina could do a lot more to use energy efficiently. Electricity prices are kept artificially low and there is therefore limited incentive to make savings. The country is almost four times as energy-intensive as the average in EU countries and has the highest energy intensity in the Western Balkans.

Why should Bosnia and Herzegovina invest in an integrated strategy?

An integrated strategy will provide investors with certainty and predictability, leading to a diversified economy and sustainable jobs creation. “The forthcoming National Climate and Energy Plan will put Bosnia and Herzegovina on the right path to ensure the energy security while improving its long-term resilience to climate change.

What does the renewables readiness assessment mean for Bosnia & Herzegovina?

“The Renewables Readiness Assessment represents an important step in the process of gradual transition from fossil fuels to renewable energy sources on the way to the decarbonisation of Bosnia and Herzegovina’s energy sector by 2050, for which we are grateful to IRENA.

Why should Bosnia and Herzegovina adopt the necp?

With the adoption of the NECP, Bosnia and Herzegovina should seek to improve the country’s long-term resilience, advance its economic diversification and competitiveness, and to secure its energy supply and sovereignty by harvesting its natural renewable resources.

Why does Bosnia & Herzegovina suffer a heavy cost of air pollution?

Sarajevo, Bosnia and Herzegovina, 25 September 2023 – Despite being a net electricity exporter, Bosnia and Herzegovina (BiH) bears the heavy cost of air

pollution and health impacts due to the dominance of fossil fuels in its current energy mix.

## Bosnia and Herzegovina smartenergy device



### The path to energy security: The role of smart grids and ...

The future of Bosnia and Herzegovina's power infrastructure over the next decade requires urgent and comprehensive transformation to meet decarbonization goals. The introduction of smart grids and the modernization of power systems are crucial steps toward a sustainable and stable energy future.

### ENERGY POLICY ACTIVITY IN BOSNIA AND HERZEGOVINA

electricity and ancillary services markets in Bosnia and Herzegovina. This paper defines the entities that can act as aggregators (Chapter 1), proposes the appropriate aggregator implementation models depending on the type of services provided



### FRAMEWORK ENERGY STRATEGY OF BOSNIA AND ...

Council of Ministers of Bosnia and Herzegovina, exercising their rights and performing their duties according to the law. As stipulated in the Law on Ministries and Other Administrative Bodies of Bosnia and Herzegovina (Official Gazette of Bosnia and Herzegovina, Nos. 5/03, 42/03, 26/04, 42/04, 45/06, 88/07, 35/09 and 103/09) MOFTER is



### Pilot project for smart

## metering system in Bosnia and Herzegovina

SITRONICS Telecom Solutions (formerly STROM telecom) has announced the launch of a pilot project which will see the introduction of the company's UTILIS real-time smart metering system in the electricity network of J.P. ELEKTROPRIVREDA HZ HB MOSTAR, a regional electricity supplier in Bosnia and Herzegovina.



## BOSNIA AND HERZEGOVINA ENERGY POLICY ACTIVITY

BOSNIA AND HERZEGOVINA ENERGY POLICY ACTIVITY ANNUAL PROGRESS REPORT: FY 2021 October 1, 2020 - September 30, 2021 October 2021 This publication was produced for review by the United States Agency for International Development. It was prepared by DT Global.

## BOSNIA AND HERZEGOVINA ENERGY POLICY ACTIVITY

BOSNIA AND HERZEGOVINA ENERGY POLICY ACTIVITY PUBLIC OUTREACH AND LOBBYING PLAN SEPTEMBER 2022 Contract No: 72016819C00002 Submitted to: USAID Bosnia and Herzegovina (BiH) Economic Development Office Prepared by: DT Global DISCLAIMER: The authors' views expressed in this document do not necessarily reflect the ...



## Bosnia and Herzegovina

Bosnia and Herzegovina adopted a National Environmental Action Plan, which provides action path to address the major environmental issues of the country. (TFC) is the energy consumed by end users such as individuals and businesses to heat and cool buildings, to run lights, devices,



and appliances, and to power vehicles, machines and

## SDGs in review: Positive change towards a greener, inclusive future ...

Under the SDG Framework Bosnia and Herzegovina has created "virtual power plants", connecting networks of electricity generators, storage devices, and smart meters, to better manage consumption while ensuring system stability. By the end of 2022, six virtual power plants had access to Bosnia and Herzegovina's electricity market.



## Bosnia and Herzegovina

How is electricity used in Bosnia and Herzegovina? Sources of electricity generation  
Electricity can be generated in two main ways: by harnessing the heat from burning fuels or nuclear reactions in the form of steam (thermal power) or by capturing the energy of natural forces such as the sun, wind or moving water.

## ENGAGE-BH Next Generations for an All-Inclusive Green and

...

3 ??? The ENGAGE-BH project provides an opportunity to develop sustainable and

innovative strategies that will enable Bosnia and Herzegovina to progress towards a green and digital future. The active involvement of local stakeholders, especially youth and women, will ensure the representativeness and sustainability of the proposed solutions.



## ENERGY POLICY ACTIVITY IN BOSNIA AND HERZEGOVINA

USEF Universal Smart Energy Framework . PAGE 5 OF controllable loads, and electricity storage devices). The aggregators can participate in the electricity market and ancillary services market independently or through a balance responsible party. Bosnia and Herzegovina does not lag significantly behind the other Energy Community (EnC

## Energy Efficient Building in Bosnia and Herzegovina

"By 2035, Bosnia and Herzegovina's Framework Energy Strategy provides the con-text and direction of energy development in Bosnia and Herzegovina and seeks the right balance in the context of "energy trilemma". Launching real investments, market and regulatory reforms in all segments of energy, supported by solid and structured



## USAID Launches New Energy Sector Assistance Project in Bosnia ...

2 ???· The U.S. government yesterday kicked off



a new U.S. Agency for International Development Energy Policy Activity (USAID/EPA) project in Bosnia and Herzegovina. The five-year, \$9.9 million USD project will continue the work of the previous USAID EPA project, which concluded in September 2024, to advance Bosnia and Herzegovina's energy security and ...

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 **LFP 12V 200Ah**

## Renewables Readiness Assessment: Bosnia and Herzegovina

This Renewables Readiness Assessment (RRA), developed by the International Renewable Energy Agency (IRENA) in close cooperation with the Ministry of Foreign Trade and Economic Relations (MoFTER), aims to support Bosnia and Herzegovina on its path towards integrating a higher share of renewable energy, and diversifying its national energy mix to

## ENERGY PROFILE Bosnia and Herzegovina

Bosnia and Herzegovina COUNTRY INDICATORS AND SDGS TOTAL ENERGY SUPPLY (TES) Total energy supply in 2021 Renewable energy supply in 2021 24% 3% 52% 22% Oil Gas Nuclear Coal

+ others World Bosnia Herzg Biomass potential:  
 net primary production Indicators of renewable  
 resource potential Bosnia Herzg 0% 20% 40%  
 60% 80%



## Integrated Renewables Strategy Will Deliver Bosnia and Herzegovina...

The Renewables Readiness Assessment: Bosnia and Herzegovina finds that integrated short- and long-term strategies that aim to increase the share of diverse renewables will not only lead BiH to address those impacts, but also ensure its energy security and increase its readiness to join the European Union (EU).

## The Hidden Genius of Smart Devices with Damir Avdi?

3 ???· Damir Avdi? from HTEC Group took us on a fascinating journey into the world of embedded systems--the "brains" behind every smart device! In an era defined by machine learning and artificial intelligence, we often forget that these technologies need a brain to function.



## Strawberry Tree (solar energy device)

Public solar charger Strawberry Tree installed in Obrenovac, Serbia in October, 2010. The Strawberry Tree is the world's first public solar charger for mobile devices was developed by

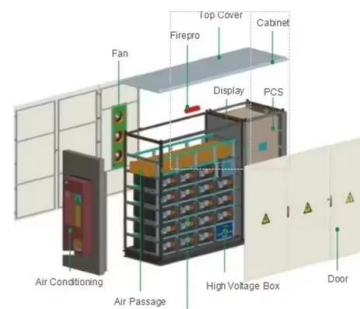


Serbian company Strawberry Energy. It won first place in the European Commission's "Sustainable energy week 2011" competition in Brussels, in the category Consuming.

## Education for sustainability: The role of green skills in the

...

Accordingly, Bosnia and Herzegovina, by adopting the Green Agenda, has committed to improving waste management and resource efficiency. However, as Prof. Dr. Midžić Kurtagić emphasizes, the implementation of these reforms is progressing slowly, particularly in terms of integrating green, digital, and entrepreneurial skills into the education



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