



**BUHLE POWER**

# **Slovakia Smart Energy Storage Base Project**





## Overview

---

What is the capacity of energy storage facility?

Energy storage facility of a cumulative installed capacity of 384 MW, storage capacity allowing a net annual electricity generation of 250 GWh. The storage will consist of several smaller units (~32-64MW) located in Slovakia (central Europe).

How many customers does ZSE Energia serve?

In 2019, ZSE Energia serves more than 1 million customers and delivers annually 9 TWh of energy. Realization timeline 2019 2020 1 2021 2022 2 2023 2024 3 2025.

Who is ZSE Energia?

The company is one of the most innovative power and gas suppliers in the region. In 2019, ZSE Energia serves more than 1 million customers and delivers annually 9 TWh of energy. Realization timeline 2019 2020 1 2021



## Slovakia Smart Energy Storage Base Project



### [New Market Opportunities: Slovakia's 2025 Energy Storage ...](#)

Oct 17, 2021 · Why Slovakia's Energy Storage Market Is Suddenly Red-Hot Let's face it--when you think of Europe's energy revolution, Slovakia might not be the first country that comes to ...

### [EC-funded study progresses battery storage hybridisation of ...](#)

Aug 28, 2025 · European Commission funding is supporting a project to integrate battery storage at a pumped hydro energy storage (PHES) plant in Slovakia.



### [Europe's First Pumped Thermal Energy ...](#)

Dec 5, 2025 · Westinghouse, VVB, and Echogen to build Europe's first pumped thermal energy storage system in Slovakia, enabling gigawatt ...

### [Echogen Technology to Enable Europe's First Grid-Scale ...](#)

Jul 31, 2025 · The Slovakian project will be the first of its kind in Europe, delivering gigawatt-hour-scale energy storage capacity to capture surplus electricity from VVB's hydropower stations ...



### [Embraco Slovakia reduces their carbon footprint thanks to ...](#)

A brAln smart battery storage has been built on the premises of Embraco Slovakia in Spisská Nová Ves, which reduces energy costs, optimizes energy consumption and contributes to ...



### [Echogen Technology to Enable Europe's First ...](#)

Jul 31, 2025 · The Slovakian project will be the first of its kind in Europe, delivering gigawatt-hour-scale energy storage capacity to capture surplus ...



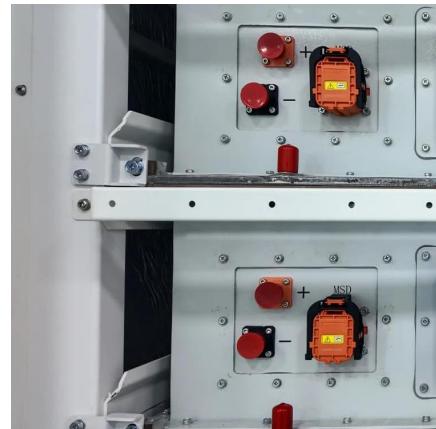
### [Slovakia smart grid and energy storage](#)

The first smart battery storage system brAln with a capacity of 432 kWh is officially working and is already achieving excellent results. Although similar high-capacity batteries exist in ...



## CEF Energy: supporting modernisation of Cierny Váh pumped hydro storage

Aug 25, 2025 · The Connecting Europe Facility for Energy (CEF Energy) is supporting a significant step forward in strengthening Europe's energy security and flexibility. With a grant ...



## EC-funded study progresses battery storage ...

Aug 28, 2025 · European Commission funding is supporting a project to integrate battery storage at a pumped hydro energy storage (PHES) plant

...

## ZSE, Elsea

Aug 20, 2025 · Considering energy density, charge and discharge efficiency, life span, and ecofriendliness of devices, the battery storage shall be based on Lithium-ion technology. In ...



## Powering the Future: Inside Bratislava's Large-Scale Energy Storage Project

When you think of Bratislava, medieval castles and Danube River views might come to mind. But did you know Slovakia's capital is now charging ahead (pun intended) with Europe's most ...



## Europe's First Pumped Thermal Energy Storage in Slovakia

Dec 5, 2025 · Westinghouse, VVB, and Echogen to build Europe's first pumped thermal energy storage system in Slovakia, enabling gigawatt-hour-scale clean energy storage.



## **Leading the charge**

Nov 12, 2024 · As Slovakia strides towards modernizing its energy infrastructure, Greenbat and Pixii have joined forces to pioneer the first battery storage system certified for primary ...

## **Contact Us**

For technical specifications, project proposals, or partnership inquiries, please visit:  
<https://bukhobuhle.co.za>

**Scan QR Code for More Information**



<https://bukhobuhle.co.za>