

# Tbilisi wind power system



## Overview

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Opened in late 2024, this lithium-ion wonder stores surplus wind energy from the Adjara Highlands and solar power from the Kakheti plains. Think of it as a giant power bank for the nation, but instead of charging phones, it's juicing up entire neighborhoods during blackouts. Designed to participate in the local frequency balancing market, the facility is the first station in the Baltic region to have qualified for all frequency . That's the Tbilisi Energy Storage Base - not just another battery farm, but a game-changer in the Caucasus energy landscape. Tbilisi wind farm is a cancelled wind farm in Georgia. To access additional data, including an interactive map of global wind farms, a downloadable dataset, and . GRPO has a well-diversified portfolio of renewable energy assets located in Georgia. GRPO owns and operates 71 MW renewable energy assets: 4 hydro power plants with 50 MW installed capacity and one wind power plant with 21 MW installed capacity - the only operational wind farm in Georgia. Three . Tbilisi's electricity prices have swung between 0. 18 GEL/kWh since 2023 - enough to make any accountant reach for extra wine at supper. But here's the kicker: energy storage could slash these costs by 40-60% during peak hours according to 2024 grid data [3]. Namely: Small Hydro Power plants (

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### Home , GRPC

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### Goldwind signs 206MW wind power project in Georgia

After the Ruisi project is connected to the grid, it is expected to provide sufficient daily power support for 200,000 families in Georgia, significantly improving the quality of life of the people.



### TBILISI INSTALLS ENERGY STORAGE SYSTEM

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### [Tbilisi Energy Storage Base: Powering Georgia's Renewable Future](#)

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## Step Energy

Use our calculator to discover the required system capacity, cost and other details you need. Simply input your monthly electricity expenditure in Georgian Lari (GEL), and the calculator will

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Tbilisi Solar Wind Power Generation System This research presents a study of wind variability by using wind data got from a weather station to design and fabricate a small-scale horizontal axis wind



## Data from the power system

Georgian power system is presented by Hydro, Thermal and Wind power plants. Currently, total installed capacity of Georgian system is 4751,44 MW. Namely: Small Hydro Power plants (<15 MW) 331,3

## Tbilisi wind farm

To access additional data, including an interactive map of global wind farms, a downloadable dataset, and summary data, please visit the Global Wind Power Tracker on the Global



## [Tbilisi's Energy Storage Revolution in 2025: Powering a Sustainable](#)

Let's face it-Tbilisi's 40MW solar farm produces zero energy after sunset. Wind turbines in nearby Gori district? They're practically idle on

calm summer days. This unpredictability creates dangerous

## **SINEXCEL Powers Latvia's Largest Wind Farm Energy Storage**

SINEXCEL, a BloombergNEF 2026 Tier 1 Power Inverter Manufacturer, has supplied twelve 1725kW Power Conversion Systems (PCS) for Latvia's largest wind farm energy storage project. The



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