

renpro



Feasibility studies for investments in electricity battery storage facilities

2025

About us

The company has been operating in the renewable energy sources (RES) market since 2004. From the very beginning, it has been managing investment projects and carrying out its own investments in the RES sector, with a particular focus on wind energy. Thanks to the long-term commitment of the team and hard work, RENPRO has gained a strong position on the market, becoming a recognizable brand and a reliable business partner.

Since 2020, the company has expanded its operations to include the sale of electricity to the End User in Poland. Currently, RENPRO has more than 40 employees in three offices in Poland: Szczecin, Grudziądz and Wrocław. RENPRO is a company with fully Polish capital, which contributes to supporting the Polish economy.

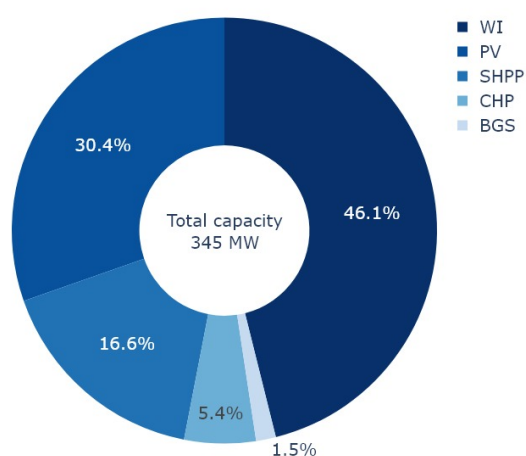
Areas of activity



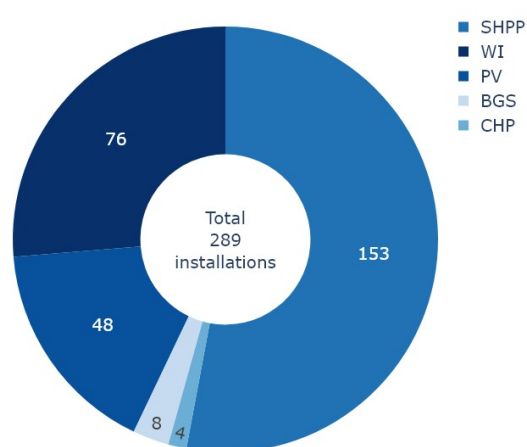
The company's current portfolio — Renewable Energy Generators

The core business of RENPRO's is the offtake of electricity generated in renewable energy installations directly from generators. Currently, RENPRO's portfolio includes more than 280 installations with a total installed capacity of more than 340 MW, with 98% of the electricity produced at these installations coming from natural resources. The largest amount of electricity sold by RENPRO in 2024 originated from hydropower power plants.

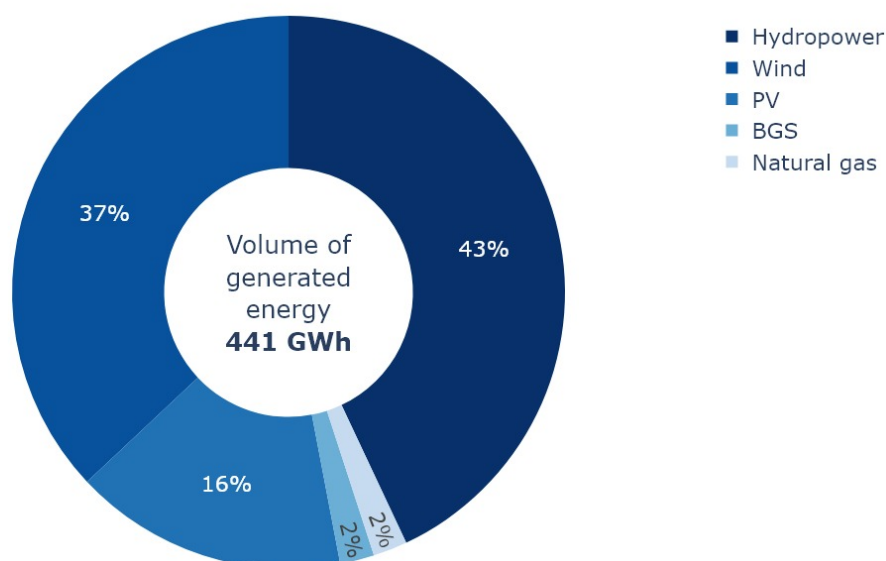
Installed capacity by technology



Number of installations by technology



Structure of fuels and other primary energy carriers used to generate electricity sold in 2024



Analytical services

Renpro offers to perform analytical work on the estimation of technical parameters of RES sources and electricity storage facilities. As part of the study, we also perform financial simulations of planned investments.

If the investment involves the construction of a storage facility at a generation source with local autoconsumption (for example, a photovoltaic plant and energy storage will be at a manufacturing plant), then the first step in the analysis is to assess the energy situation of the company (develop an energy profile).

Further steps in the analysis performed are common, for an investment with local autoconsumption, in the case of a stand alone electricity storage facility or the hybrid installation planned next to a photovoltaic, wind, biogas or hydropower farm.

The analysis includes:

1. Multi-scenario analysis of the selection of local sources of energy generation and storage:
 - (a) Technical analysis – selection of energy storage operating parameters,
 - (b) Financial analysis – estimation of revenue sources (arbitrage, time-shifting, balancing and system services, capacity market) and profitability of investments,
 - (c) Investment analysis – assessment of the feasibility of investment in the indicated city,
 - (d) Simulations of the operation of local generation sources and the operation of electricity storage facilities.
2. Conceptualization and pricing of the storage facility.
3. Prepare a bid for energy storage/RES management, including integration of the storage/RES with Renpro's information system for virtual power plant management in the context of negative pricing and price arbitrage.

Clients and key references



RENPRO is a strategic partner of the Society for the Development of Small Hydroelectric Power Plants



RENPRO is a member of the Polish Chamber of Energy Storage and Electromobility



RENPRO is a supporting member of the Society of Energy Trading



Contact

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