

THE GREEN TECHNOLOGY SECTOR

Poland. Business Forward





Poland is an internationally acclaimed destination for:



Pristine nature

A top 10 country to visit according to Lonely Planet



A place where East meets West

Dynamic business hub at the heart of Europe



Vibrant food scene

Warsaw among Top 20 Vegan-Friendly Cities in the World (HappyCow 2024)
Poland ranked 11th in the TasteAtlas awards 24/25 of the 100 best cuisines in the World

Great cities

Wrocław – Mid-Sized European Cities of the Future (2024)

Kraków – TOP 20 of the Travelers' Choice Awards 2025 in the Culture category

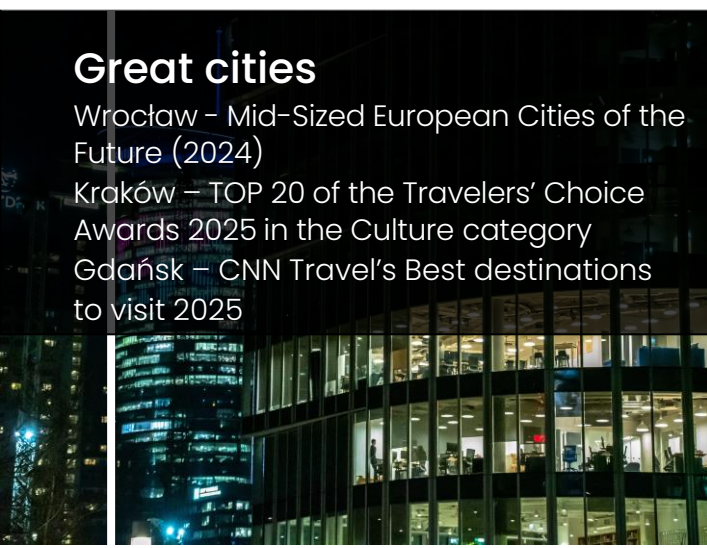
Gdańsk – CNN Travel's Best destinations to visit 2025

Attractive place for expats

Young, increasingly international society, with a very high level of English proficiency

Rich history

Vast legacy of bravery and resilience





WHY
POLAND



FACTS ABOUT
THE POLISH
GREENTECH
SECTOR



WHAT MAKES
US DIFFERENT



DID YOU KNOW
THAT



SUPPORT
INSTITUTIONS



HOW WE CAN
HELP YOU

Unprecedented growth

Highest growth rate in the OECD between 1990 and 2019

Superb market share

Poland is the sixth largest economy in the European Union in terms of GDP

Large, high-quality talent pool

Nearly 300k of well-educated graduates annually

Resilient economy

Poland is considered to be one of the most economically stable and fastest developing countries in the world.

Transparent

Regional leader (2nd in CEE) in the Transparency International Corruption Perceptions Index

FDI magnet

In 2023, Poland was ranked highest in the CEE region and sixth in Europe in terms of the number of inward foreign direct investments.

Top-notch infrastructure

5th longest highway network in the EU
Over 5,205 km total length of motorways and expressways

Ratings remain high despite the turbulent times

Moody's: A2, S&P: A-, Fitch: A-, as of the second half of 2024

Competitive, well-developed cities

European Cities of the Future 2024 (fDi Intelligence):
Warsaw – 4th position overall (ahead of Paris and Munich)
and 2nd in the business friendliness category among major cities;
The Silesia region ranked 3rd in the “cost-effectiveness” category;
Western Pomerania – European Entrepreneurial Region in 2022–2023,



FACTS ABOUT THE POLISH GREENTECH SECTOR



Poland is a fast growing producer of PV power:

20,681.1 MW – total installed power
+27,7% – total installed power change
2023-2024 (November)



Wind energy in Poland:

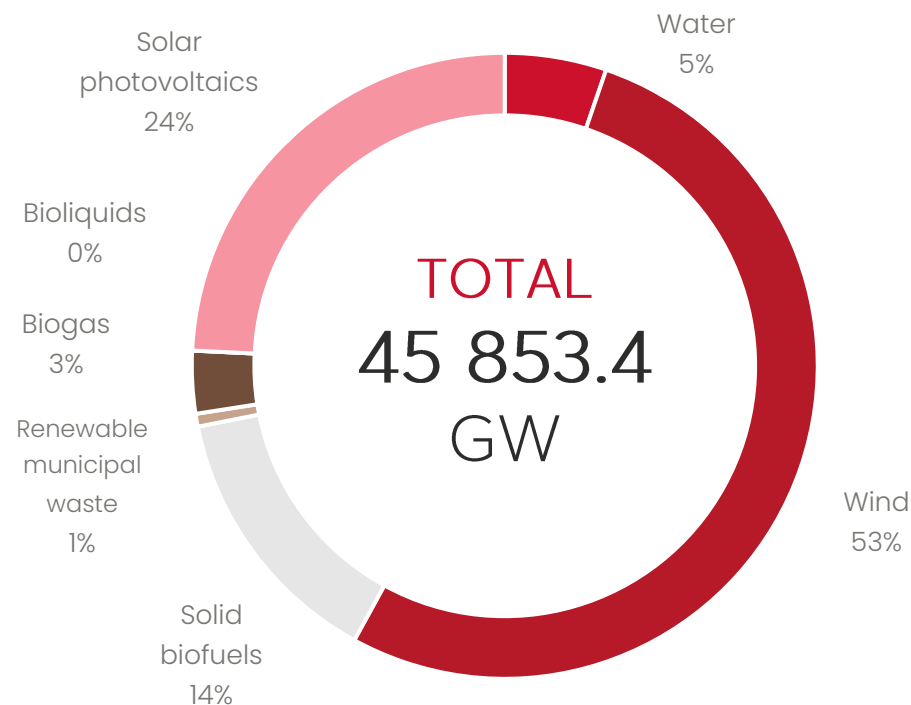
10,183.4 MW – total installed power
+8.3% – total installed power change
2023-2024 (November)



Water energy in Poland:

981.2 MW – total installed power
2409.5 GWh – total energy production
(in 2023)

Poland's production of electricity from renewable energy carriers (in 2023, GWh)



Sources:

Agencja Rozwoju Energetyki (Energy Development Agency)

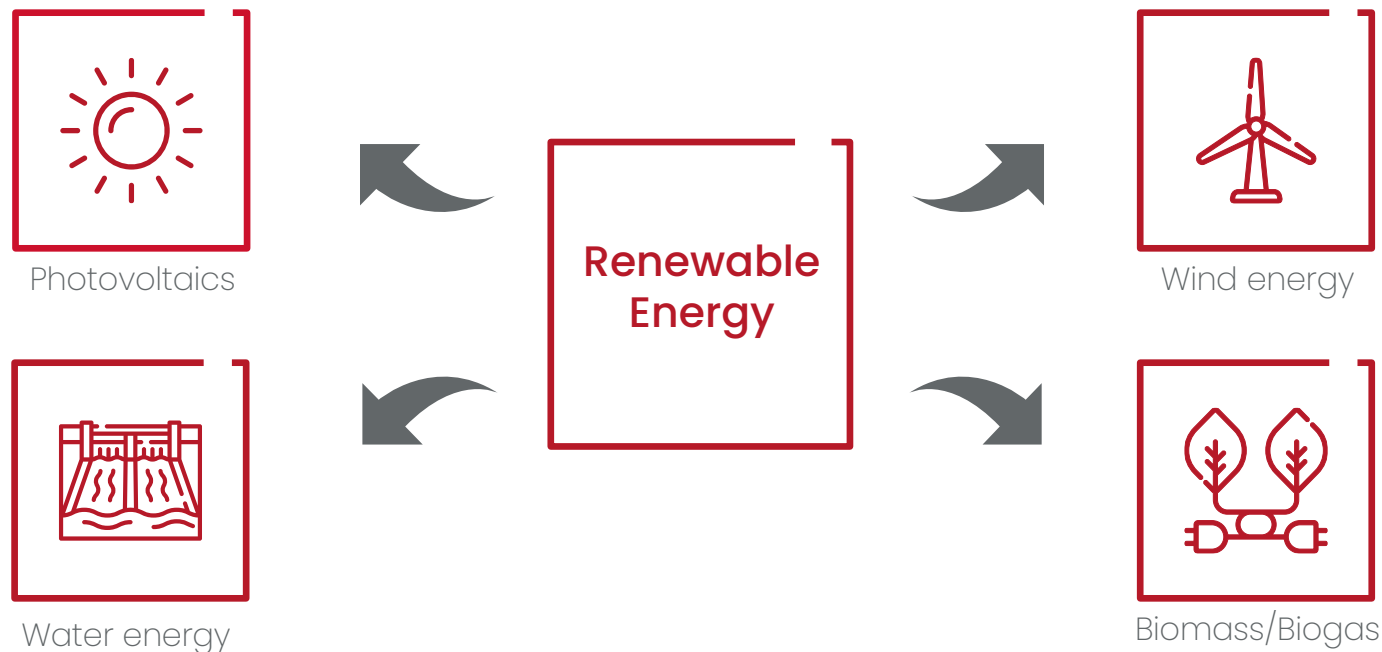
Rynek Elektryczny (www.rynekelektryczny.pl)

Statistics Poland, Energy from Renewable Sources 2023

WHAT MAKES US DIFFERENT

Diversification

The development of renewable energy sources in Poland is diversified. It is not focused on a single or a few technologies – but **covers almost the full spectrum of green energy sources**. This includes photovoltaics, wind energy, hydropower and biomass energy. Polish energy transition will be based on 3 pillars: I. just transformation, II. zero-emission energy system, III. good air quality.



Poland is focused on developing all types of renewable energy. This is the basis for sustainable development and creates the potential to create a stable and reliable energy system based on green sources. Over the past few years, we have observed significant changes in all subsectors related to green technology in Poland.

DID YOU KNOW THAT



Poland is one of the main producers of hydrogen

Poland produced 1.3 mln tons of hydrogen in 2022, is the 3rd largest producer in the European Union, after the Netherlands (1.5 mln tons) and Germany (2.5 mln tons), and the 5th in the world. The REPowerEU Strategy of 2022 set out the aim of producing 10 million tonnes and importing 10 million tonnes by 2030. Polish Hydrogen Strategy aims for 2 GW of installed capacity in low-carbon sources and to have 1000 hydrogen powered buses in use by 2030.



A network of hydrogen fuel stations is being developed in Poland

As of the end of 2024, the Polish fuel company, PKN Orlen owns four public hydrogen refueling stations: two in Poland (Katowice and Poznań) and two in Czechia (Prague and Litvinov). Orlen plans to spend a total of 7.4 bn PLN on hydrogen investments. By 2030, the Company envisions an international network of over 100 hydrogen refuelling stations, weaving through Poland, the Czech Republic, and Slovakia.



Hydrogen trains are the future of rail transport

PKN Orlen has signed an agreement on strategic cooperation with the Polish rolling stock manufacturer PESA Bydgoszcz. Orlen will provide hydrogen fuel and refueling infrastructure for hydrogen-powered vehicles produced by PESA. Hydrogen trains can be an important complement to trains on non-electrified routes. Polish government is currently updating the „Polish Hydrogen strategy until 2030” but remains committed advancing hydrogen economy.

The first PESA hydrogen locomotive was certified for operation in June 2023. The first hydrogen-powered PESA passenger vehicle is to be put on track at the turn of 2025/26.

Sources:

www.obserwatorgospodarczy.pl, „Produkcja wodoru w Polsce ma olbrzymi potencjał gospodarczy”; EU Commission: Hydrogen, energy.ec.europa.eu

www.orken.pl, „ORKEN's second hydrogen refuelling station becomes available to general public in Poland”

PESA, „Railway premiere of the year – PESA presented the hydrogen locomotive at TRAKO.”, pesa.pl

Forsal, „Polska wodorową potęgą? Te działania mogłyby rozbujać sektor”, 17.03.2024

PIE – Polish Economic Institute

SUPPORT INSTITUTIONS

Polish Offshore Wind Sector Deal

On September 15 2021, the "Polish Offshore Wind Sector Deal" was signed. It is the first such agreement in the European Union and the second in Europe - as it was inspired by the UK Offshore Wind Sector Deal of March 2019. Among the signatories of the document (with the initiative of the Ministry of Climate and Environment) were representatives of Government Administration, business, research organizations and Local Administration.

PFR Green Hub

PFR Green Hub is a strategic program of the Polish Development Fund aimed at supporting Poland's energy transformation by offering financial support for renewable energy projects.

- Investing under market conditions in projects without being competition for the private sector.
- PFR Green Hub integrates institutions, Local Government and companies operating in the energy market
- Supports and moderates the Polish green innovation ecosystem.

Find out more at: <https://pfr.pl/program/pfr-green-hub>



GreenEvo – Ministry of Climate and Environment

GreenEvo – the Green Technology Accelerator is a Ministry of Climate and Environment program, designed to promote Polish green technology. The core of the Program is to support Polish environmental technology at home and abroad.

- The Program's main task is to help Polish SMEs to establish international contacts and transfer green technology.
- The Program's activities comprehensively stimulate sustainable development.
- They also support the development of the circular economy.

Find out more at: <https://greenevo.gov.pl/en/>



The Polish Investment and Trade Agency

The Polish Investment and Trade Agency's (PAIH) mission as a Government Agency is:

- To enable small- and medium-sized companies to reach their full potential in exporting their products and services around the world
- To support potential investors in Poland by providing comprehensive and up-to-date information services regarding legal and tax aspects, location and human capital, as well as on the available financial incentives
- To promote 'Poland as a Brand'

How we can help

PAIH's experienced team of experts with a hands-on approach and excellent understanding of the needs of entrepreneurs will ensure that your projects will move as fast and smooth as possible.



Information packs
macroeconomic, HR,
legal, sectoral data



**Analysis
of export
potential**



**Preparing
information
packs**



**Verifying
business
partners**



**Organising
business
missions**



**Preparing lists
of possible
business partners**



**Organising
B2B meetings**



**Support in contacts
with Government
Agencies**

Contact us

The Polish Investment & Trade Agency

Krucza St. 50
00-025 Warsaw

NIP: 526-030-01-67
KRS: 0000109815

Contact FORM:



Service PAIH24: +48 22 334 99 55
Contact PAIH24: paih24@paih.gov.pl

Social media:



Polish Investment
& Trade Agency
PFR Group

Strategy and Analysis Division
Promotion Department
2025



Polish Investment
& Trade Agency
PFR Group



Poland. Business Forward