



Polish Investment
& Trade Agency
PFR Group

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 10 Vegan-Friendly Cities in the World



Great cities

Wrocław – most business friendly medium – sized European city (2022)
Kraków – a TOP 25 Travellers' Choice 2022
Łódź – in the „Best of the World 2022” List by National Geographic



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

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 2022, Poland was ranked highest in the CEE region and eighth in Europe in terms of the number of inward foreign direct investments.

Top-notch infrastructure

5th longest highway network in the EU
Over 5,115 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 2023

Competitive, well-developed cities

European Cities of the Future 2023 (fDi Intelligence):

Warsaw – 6th position overall (ahead of Berlin and Stockholm)
and 2nd in the business friendliness category among major cities;

The Silesia Region – European Entrepreneurial Region in 2021-2022,

among the top ten European regions in terms of attracting FDI and cost-effectiveness



FACTS ABOUT THE POLISH GREENTECH SECTOR



Poland is a fast growing producer of PV power:

16,161.5 MW – total installed power
+40.8% – total installed power change
2022-2023 (October)



Wind energy in Poland:

9,327.9 MW – total installed power
+14.2% – total installed power change
2022-2023 (October)



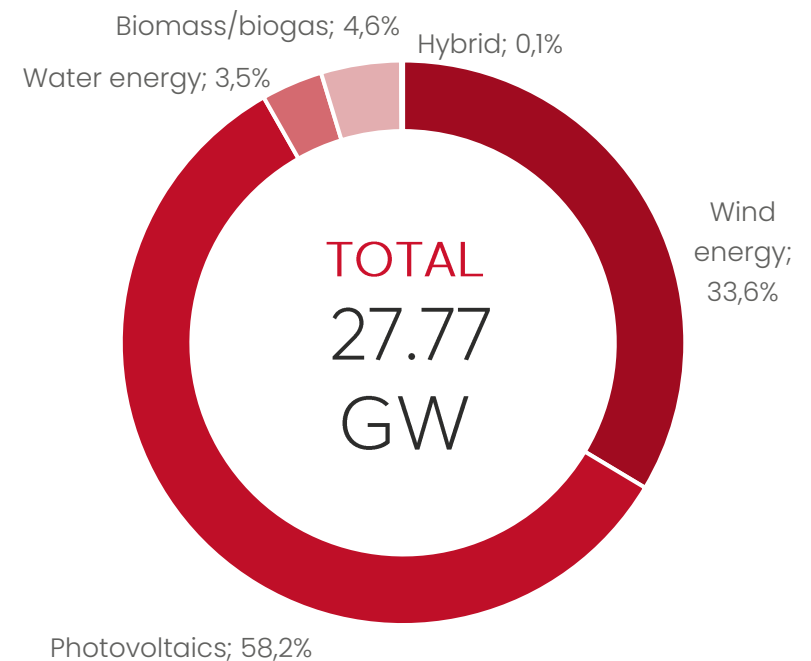
Water energy in Poland:

978.9 MW – total installed power
118,3 GWh – total energy production
(as of October 2023)

Sources:

Agencja Rozwoju Energetyki (Energy Development Agency)

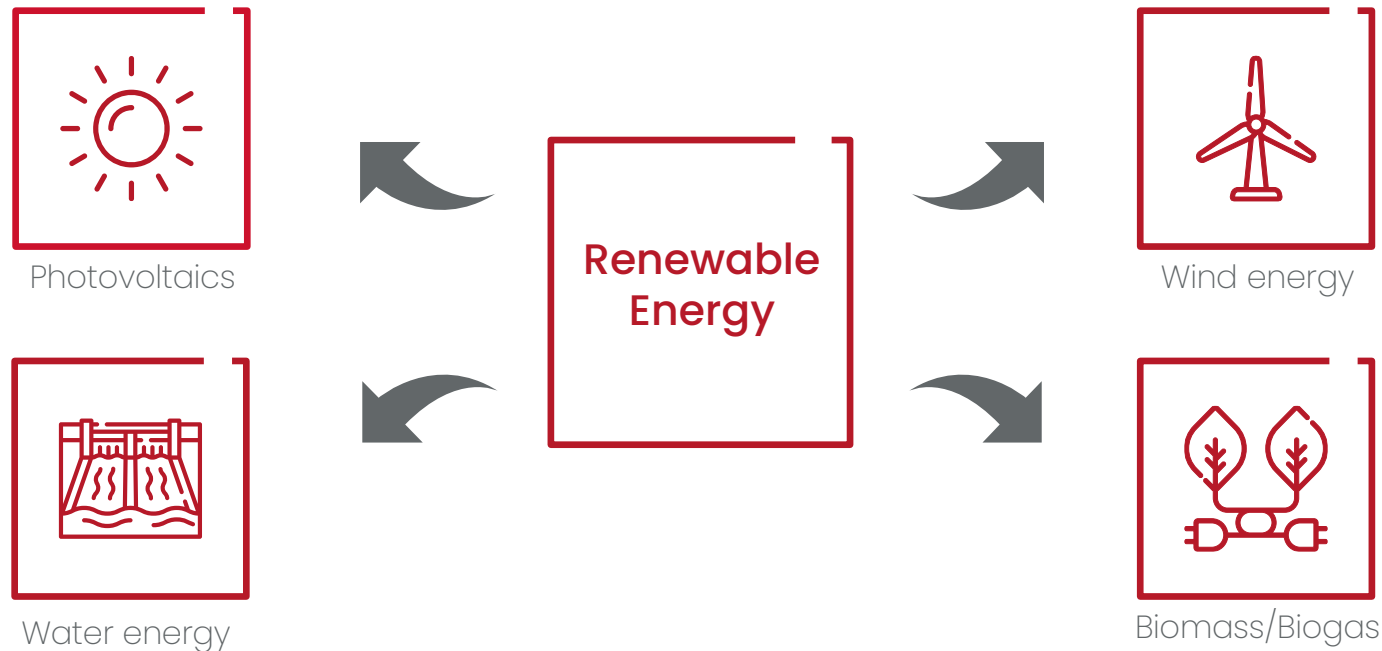
Poland's installed power capacity, by renewable energy sources (October 2023, GW)



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.



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.

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DID YOU KNOW THAT



Poland is one of the main producers of hydrogen

Poland produces 1.3 mln tons of hydrogen annually, 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. It also has great potential for the significant production of the so-called "green hydrogen" with the use of renewable energy – investments in this field are already underway.



A network of hydrogen fuel stations is being developed in Poland

The Polish fuel company, PKN Orlen, has launched its first mobile hydrogen refueling station in Kraków. Orlen wants to spend a total of 7.4 bn PLN on hydrogen investments. As a result, in the future, local transport and other vehicles will have the possibility of refueling with hydrogen in other Polish cities.



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, the first of which is to be put into service next year. Hydrogen trains can be an important complement to trains on non-electrified routes.

The first PESA hydrogen locomotive was certified for operation in June 2023.

Sources:

www.obserwatorgospodarczy.pl, „Produkcja wodoru w Polsce ma olbrzymi potencjał gospodarczy”

www.gramwzielone.pl, „Pierwsza w Polsce mobilna stacja tankowania wodoru” and „Kolej wodorowa w Polsce. Orlen i Pesa podpisały porozumienie”

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.



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.



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:



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& Trade Agency
PFR Group

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