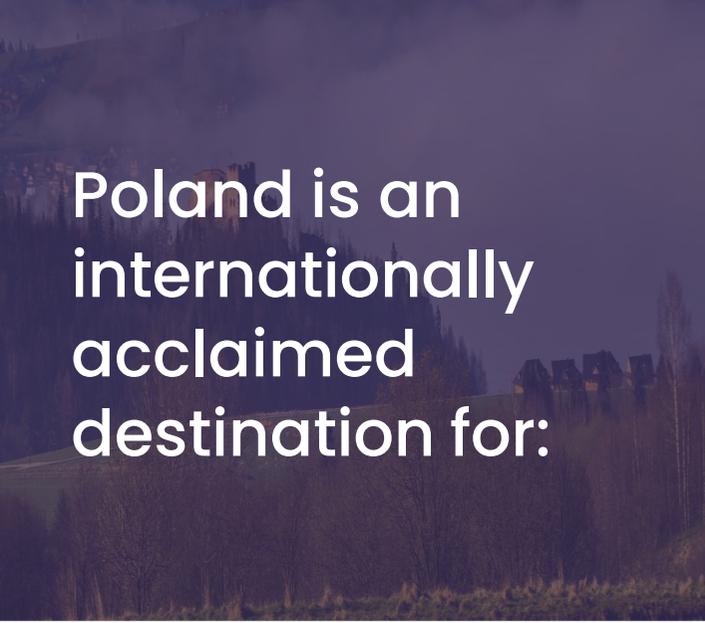




Polish Investment  
& Trade Agency  
PFR Group

# 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

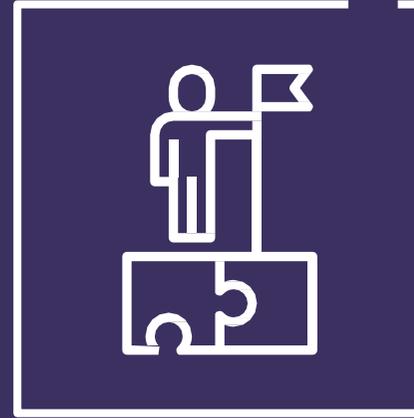




WHY  
POLAND



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

40% of the region's total GDP and a gateway to the wider EU market

## Large, high-quality talent pool

300k+ of well-educated graduates annually

## Resilient economy

Max score for Macroeconomic Stability in the Global Competitiveness

Almost 30 years of continuous growth

Almost 10 years of stable growth in foreign trade turnover

## Transparent

Regional leader in the Transparency International Corruption Index

## FDI magnet

2nd in the EU, 5th in the world in terms of value of new greenfield projects (2020)

One third of all FDI stock in the region

## Top-notch infrastructure

1st in CEE in Airport Connectivity & Quality of Road Infrastructure  
(Global Competitiveness Report)

## Ratings remain high despite the turbulent Times

Moody's: A2, S&P: A-, Fitch: A-, as of the first half of 2022

## Competitive, well-developed cities

European Cities of the Future (fDi Intelligence)

Warsaw: 7th position (ahead of Berlin and Stockholm)

Kraków: 2nd in EU in Business Friendliness among Large Cities



# FACTS ABOUT THE POLISH GREENTECH SECTOR



## Poland is a fast growing producer of PV power

In May 2022, for the first time the power from photovoltaics in Poland exceeded 10 GW.



## Wind energy in Poland:

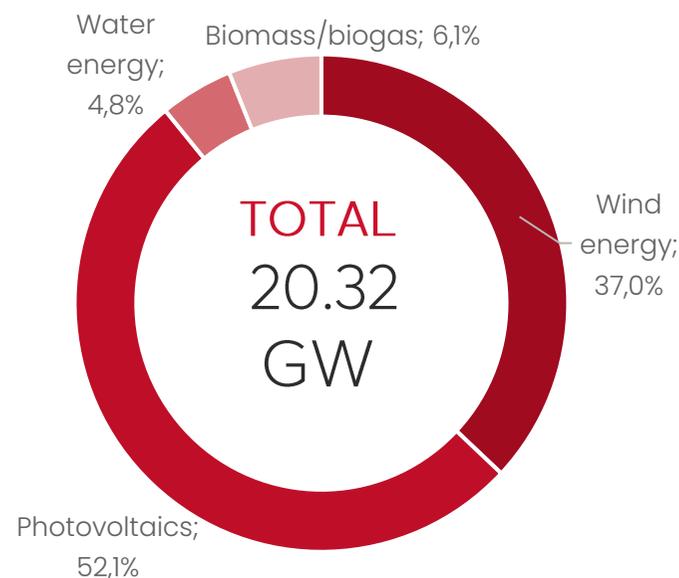
7,666.3 MW – total installed power  
+5% – energy production change  
2019-2021.



## Water energy in Poland:

977.9 MW – total installed power  
+20% – energy production change  
2019-2021.

## Poland's installed power capacity, by renewable energy sources (July 2022, GW)

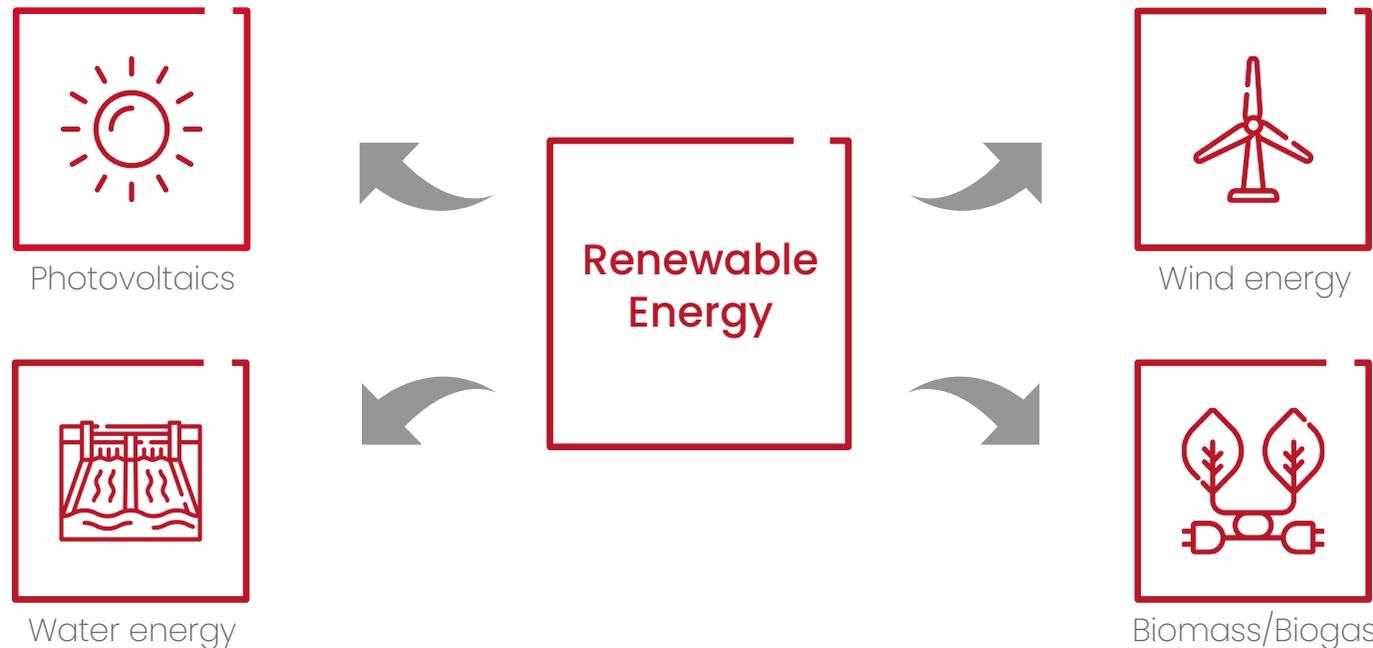


Sources:  
Agencja Rozwoju Energetyki (Energy Development Agency)  
[www.cire.pl](http://www.cire.pl), „Produkcja energii elektrycznej z OZE – podsumowanie roku 2021”

# 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.

# 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.

Sources:

[www.obserwatorgospodarczy.pl](http://www.obserwatorgospodarczy.pl), „Produkcja wodoru w Polsce ma olbrzymi potencjał gospodarczy”

[www.gramwzielone.pl](http://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

 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

 GREENEVO  
TECHNOLOGY ACCELERATOR

# 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

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Strategy and Business Promotion Department,  
September, 2022



Polish Investment  
& Trade Agency  
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