Polish Biomethane
Organization

ABOUT US

Polish Biomethane Organization

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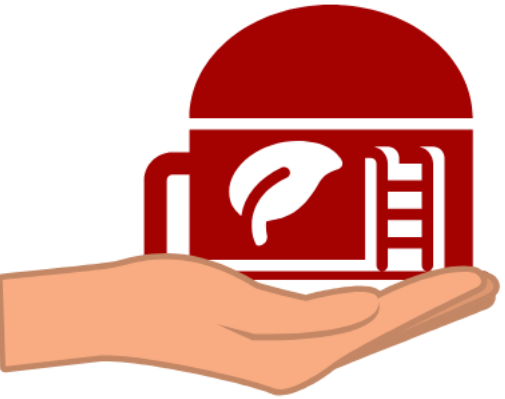
INTRODUCTION



The Polish Biomethane Organization (PBO) which was established on the **6th of September 2022**, brings together industry experts and representatives of leading fuel, energy and heating groups operating in the domestic market. The most important goal of the PBO is to develop a biomethane market that can accelerate the energy transition process and to help make the country independent of energy imports.

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MEMBERS OF THE PBO

PGNiG / BioEvolution GRUPA ORLEN

VEOLIA

GAZ system

duon

25 atrem budownictwo energetyka

UNIMOT

ZWIĄZEK PRODUCENTÓW CUKRU W POLSCE

PRODEVAL RNG PROCESS TECHNOLOGIES

KANCELARIA PRAWNA Tarka Trupkiewicz i Wspólnicy

Łukasiewicz Instytut Nowych Syntez Chemicznych

SELENA GREEN INVESTMENTS

vtti

Galia GREEN POWER

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OUR GOALS

- Creation and development of a comprehensive knowledge and legal base for the biomethane sector,
- Undertaking and supporting the actions for the development of the biomethane sector and its importance in the decarbonisation of the Polish economy,
- Influence on shaping Polish and EU legislation regulating and supporting the development of biomethane use,
- Shaping optimal organisational, legal and technical solutions for the development of biomethane applications, implementation of modern biomethane production and utilisation technologies as well as biomass contracting, procurement and supply models, including its certification,
- Representing the economic and social interests of the associated members at national, EU and international level.

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INVOLVEMENT OF THE PBO AT THE EUROPEAN LEVEL

EBA European Biogas Association

A non-profit organization that aims to promote the implementation of sustainable biogas production and use in Europe. EBA members include national biogas associations, institutes and companies from more than 20 European countries.

BIP Europe Biomethane Industrial Partnership

Agreement dated 28.09.2022, concluded between the European Commission and industry leaders. Its priority is to work together to achieve 35 billion m3 of annual production and use of sustainable biomethane by 2030 with growth prospects to 2050.

REPORT

THE POTENTIAL OF BIOMETHANE PRODUCTION IN POLAND

Potential Annual Production

- Maximum: 16 billion m³
- Realistic: 9 billion m³

Main Sources of Substrates

- Municipal Biodegradable Waste
- Industrial and Municipal Sewage Sludge

Agricultural and Agri-Food Waste:

- Straw
- Manure
- Slurry

Production from Selected Substrates

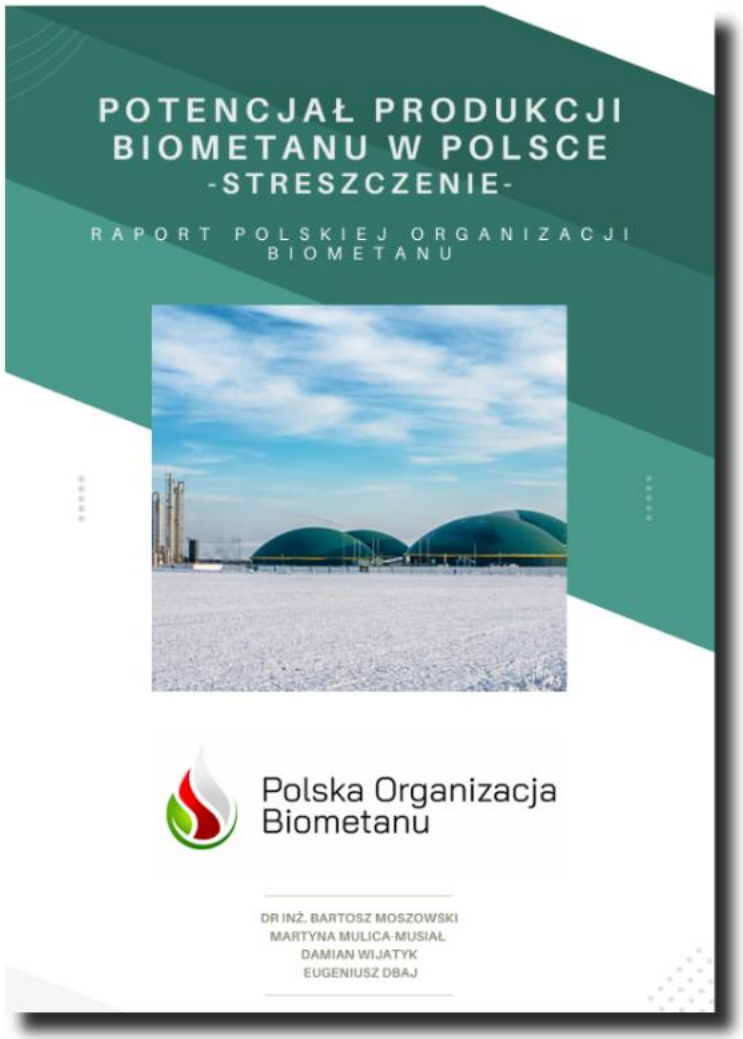
- Biodegradable Waste: 115–203 million m³ of biomethane annually.
- Sewage sludge: 227 million m³.
- Agricultural waste (Straw): 8 billion m³.

Challenges

- Low levels of waste segregation.
- Need for legislative reforms and financial incentives.

Benefits

- Strengthens energy security.
- Reduces greenhouse gas emissions.
- Promotes sustainable waste management.



The Sources of Polish Energy Policy and the Significant Inclusion of Biomethane in the "WAM" Version of KPEiK.

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The National Energy and Climate Plan for 2030 (KPEiK) previously did not adequately consider biomethane, but this has started to change with the introduction of the ambitious version ("WAM").

What is the purpose of a national strategy?

It aims to provide short-, medium-, and long-term investment predictability, ensuring support for EU member states in jointly achieving energy and climate goals as part of the European Green Deal, the European Climate Law, and the "FIT for 55" legislative package.

Commissione europea

REPowerEU

It also plays a key role in achieving the **REPowerEU plan** (35 billion m^3 of biomethane in the EU by 2030).

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Poland's Energy Policy until 2040 is theoretically ambitious, as it includes **a goal of achieving, by 2030, the capability to transport** a mixture containing about 10% decarbonized gases (around 2.4 billion m^3), particularly biomethane, through gas networks.

However, it does not specify a **production target** or the full range of comprehensive tools needed to reach this level of biomethane production.

The inclusion of biomethane in Poland's Energy Policy until 2040 (PEP2040) is one of the Polish Biomethane Organization's (PBO) priorities for 2025.

Implementation of key regulatory postulates PBO

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Introduction of the legal definition of biomethane

01

100%

Introduction of operational support instruments for biomethane production

02

50%

Integration of biomethane facilities with the gas network

03

25%

Facilitations in the investment and construction process

04

0%

Utilization of biomethane for achieving the national indicative target

05

0%

Polish Biomethane Organization

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