

# Genesis

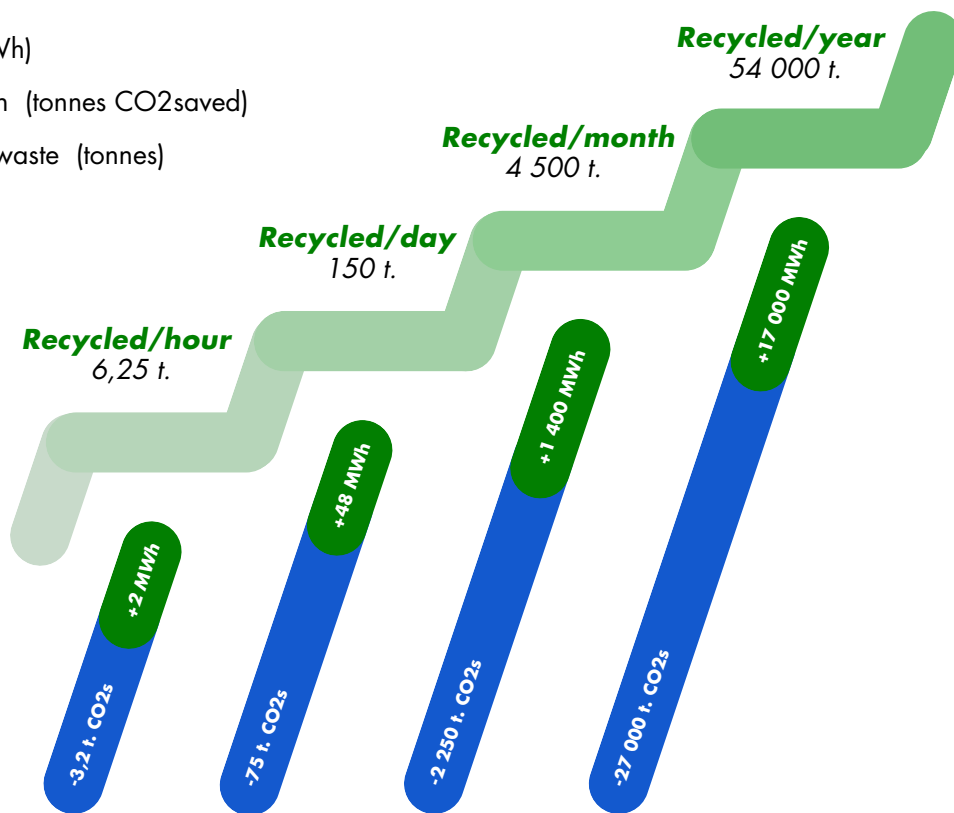
BIOPARTNER



# WASTE TO ENERGY ENERGY TO LIFE GREEN ENERGY SAVES THE PLANET

- by reducing pollution and greenhouse gas emissions
- by converting waste into biogas to obtain energy
- by decreasing reliance on fossil fuels
- by improving soil quality: organic fertilizer

- Electricity production (MWh)
- Carbon footprint reduction (tonnes CO<sub>2</sub> saved)
- Recycled biodegradable waste (tonnes)



# GENESIS BIOPARTNER SUSTEMENTALITY FOR LIFE

The holding was established to assist companies in achieving their sustainability goals and converting to a circular economy by using the potential of biodegradable organic waste.

Sustainability is the governing attribute for the company's business strategies and international climate policies in the coming years.



**T**he concept of SUSTEMENTALITY stands for:

- changing our mentality and today's society;
- integrating sustainable practices in energy production;
- maximising the use of renewable resources.

**GENESIS BIOPARTNER** contributes to environmental protection and ensures a sustainable future for generations to come.

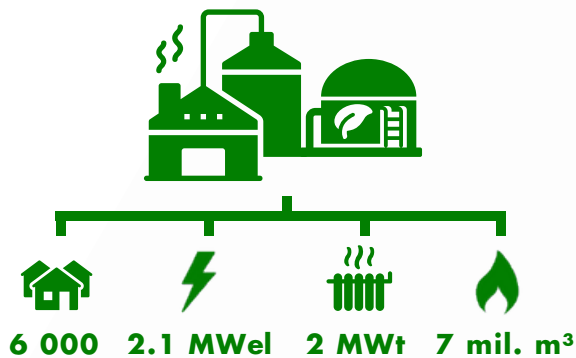


# WASTE RECYCLING IN BIOGAS PLANTS

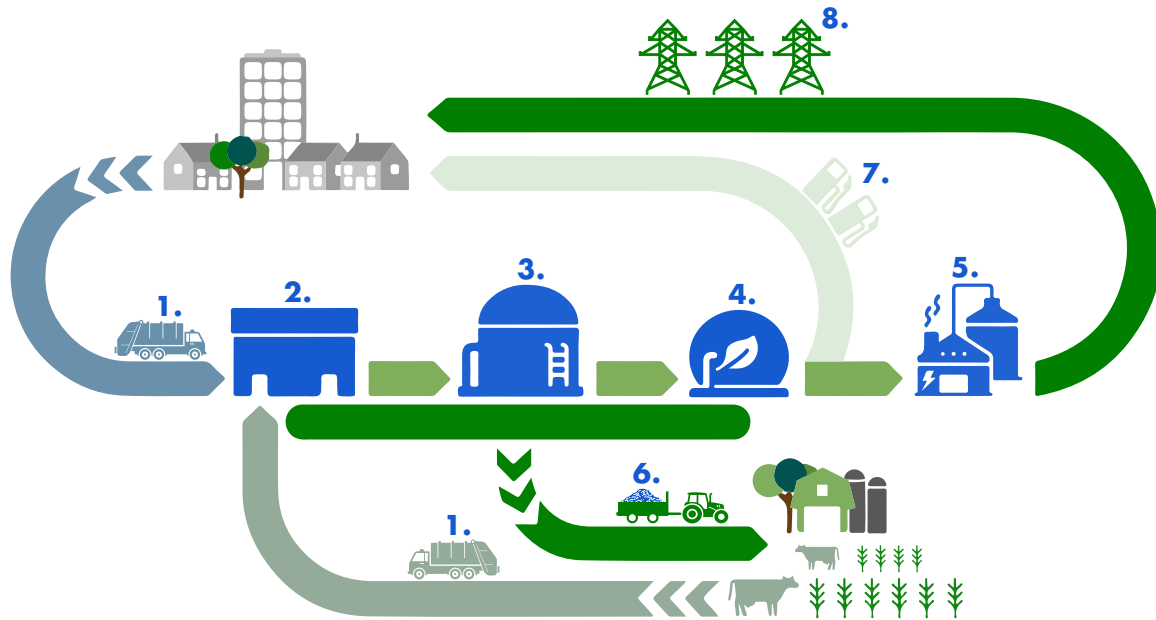
**A** sustainable solution for managing biodegradable organic waste. Instead of being dumped in landfills and causing pollution, this waste is converted into biogas through an efficient and environmentally friendly process.

The first Genesis Biotech plant, located in Filipeștii de Pădure, was set up in 2011 and processes daily more than 150 tonnes of organic waste from the food industry, hospitality industry, and retail, thus reducing the carbon footprint in the atmosphere.

Over 7 million cubic meters of biogas are produced here annually, which is converted into electricity and heat using state-of-the-art cogeneration technologies, with a capacity of 2,1 MWelectric and 2 MWthermic, which is equivalent to the daily consumption of 6.000 households. Our plant concept is based on the latest technologies and tested procedures to ensure optimal energy efficiency and environmental protection.



# WHAT IS BIOGAS?



1. Collecting organic waste
2. Sorting/unpacking unit
3. Fermentation unit
4. Biogas storage

5. Cogeneration unit
6. Organic fertilizer
7. Gas networks and stations (optional)
8. SEN (National Energy Grid)

**B**iogas means a natural and renewable fuel obtained through "anaerobic digestion", i.e. bacterial fermentation of biodegradable organic material, in the absence of oxygen.

At the end of the fermentation process, the result is the digestate, a nutrient-rich organic fertilizer. With its help, we return to nature a valuable product for agricultural land, complying with the basic principles of the circular economy.



**T**hrough our collection and recycling services, we target a wide range of companies, from a variety of areas and industries:



**Food industry:** food processing facilities, abattoirs, food producers, basically any type of activity which generates food waste;



**Retail:** for the food waste management and prevention of food waste;



**Farms, abattoirs:** we manage the safe disposal for by-products of animal origin;



**Producers or distributors in the area of vegetables, fruit and bakery products:** goods which can no longer be sold (packaged or unpackaged), such as overripe fruit, processed vegetables, stale bread, etc.;



**Producers or distributors of beverages, fats, oils:** and various types of liquid impurities resulted from food processing;



**Hospitality industry:** restaurants, canteens, for food waste from the hospitality industry, used frying oils;



**Pharma:** biodegradable substances resulting from the manufacturing process of medicine.

**T**hrough collaboration with **Genesis Biopartner**, our partner companies benefit from:

**Efficient and reliable biodegradable waste collection services:** guidance and support in organic waste management and collection all over Romania;

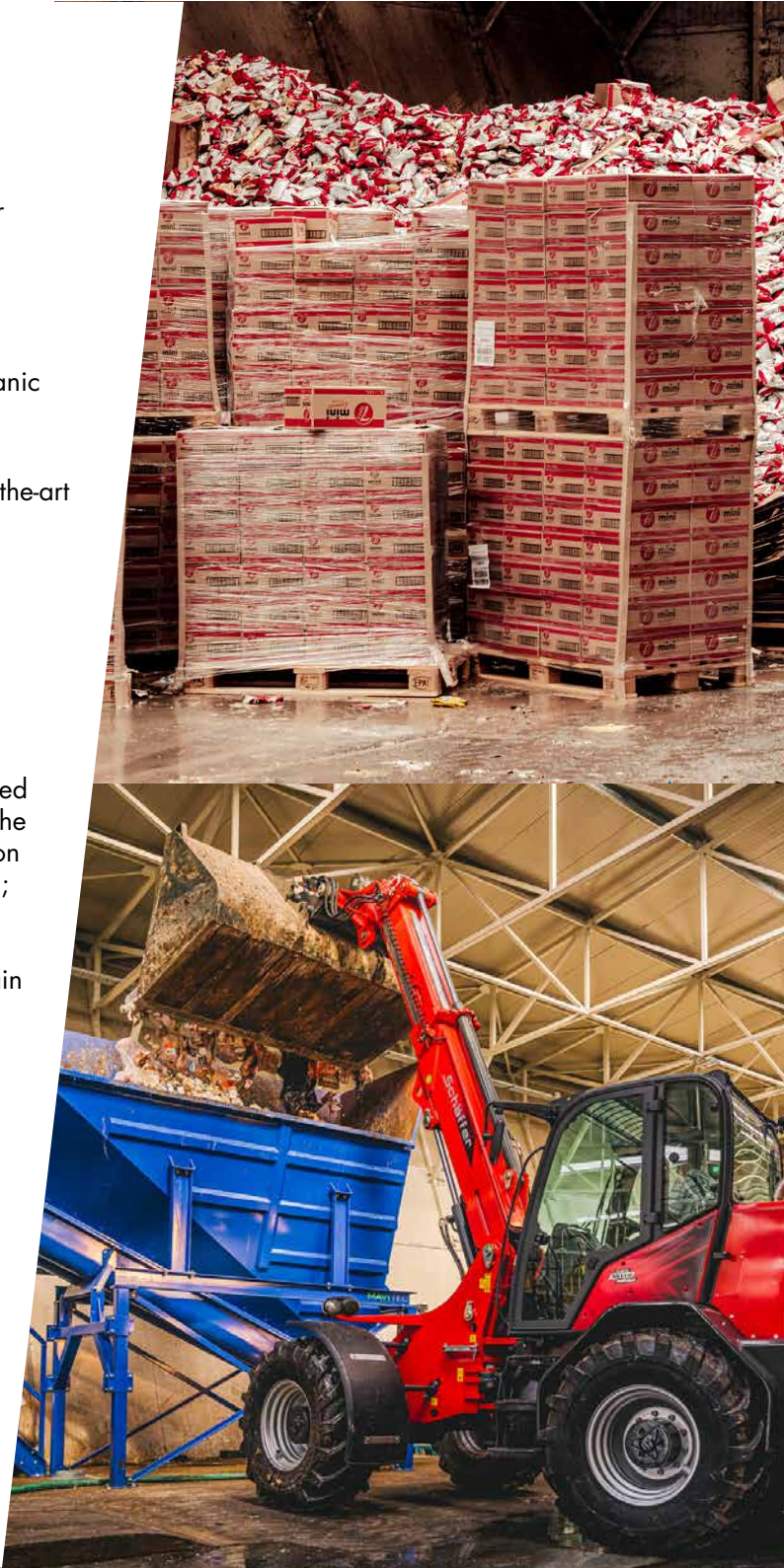
**Meeting sustainability targets:** through state-of-the-art cogeneration technologies, biodegradable waste is converted into electricity and heat in line with the EU „Waste to Energy“ Directive;

**Traceability for the collected waste:** by providing Annex 3 for the environmental report and the recycling certificate;

**Zero Waste policy:** remained packaging is recycled or undergoes a controlled incineration process, and the biodegradable content ends up in a biogas generation process from which electricity and heat are produced;

**Evidence of transition to circular economy through Zero Waste Policy:** in the end, we obtain a by-product, an environmentally friendly organic fertilizer (digestate), which successfully replaces chemical fertilizers and helps reduce the carbon footprint;

**Production and supply of electricity from an accredited supplier:** we are certified by the National Energy Regulatory Authority, licensed as a producer and supplier of electricity in accordance with the legislation in force.



# Genesis BIOPARTNER



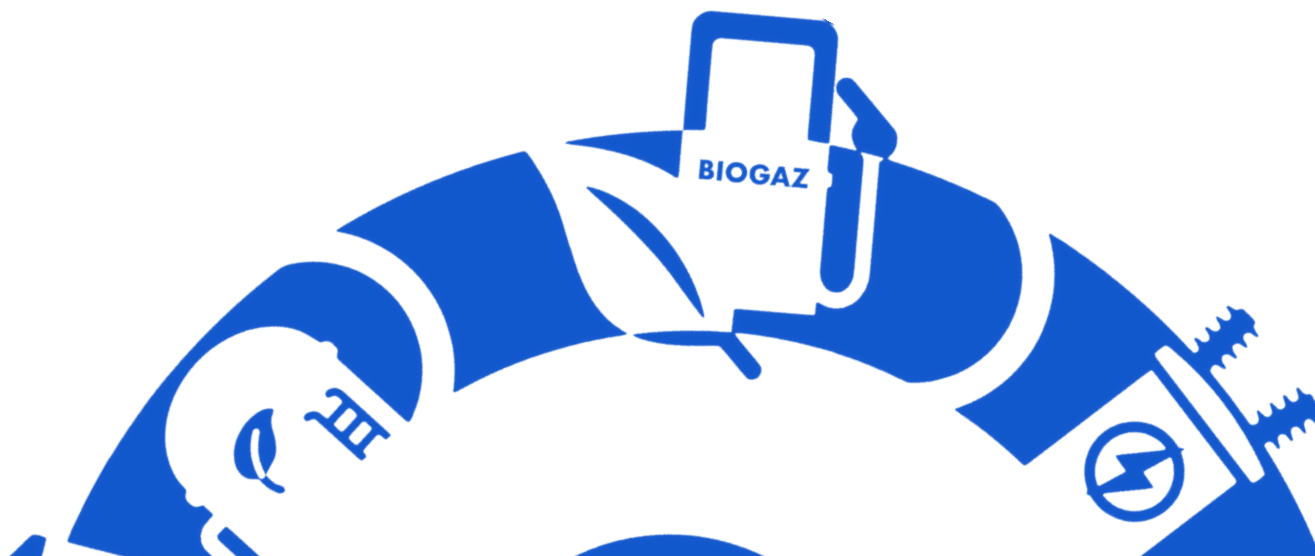
**G**enesis Biopartner is a Baupartner Group company. Initially founded in 2006 by Michael Dietrich as a construction company, Baupartner has evolved into a strong holding consisting of several companies specialized in construction, renewable energy and real estate development, both in Romania and internationally.

Baupartner Group has a solid reputation in industry, being recognized for the quality of its services and commitment to innovation and sustainability.

**The achievements of Genesis Biopartner are recognized by competent institutions such as:**



COALITIA  
pentru  
ECONOMIE  
CIRCULARA





The quality of our services and the professionalism of our team are confirmed by well-known Romanian companies that chose to work with us:



**G**enesis Biotech is certified by the National Energy Regulatory Authority as a producer (No. 1223/2013) and supplier (No. 2353/2022) of electricity, in accordance with the legislation in force.

Through our electricity supply services, we address all categories of customers and consider the specific features of the electricity market, which is a dynamic and competitive market, with strong suppliers.



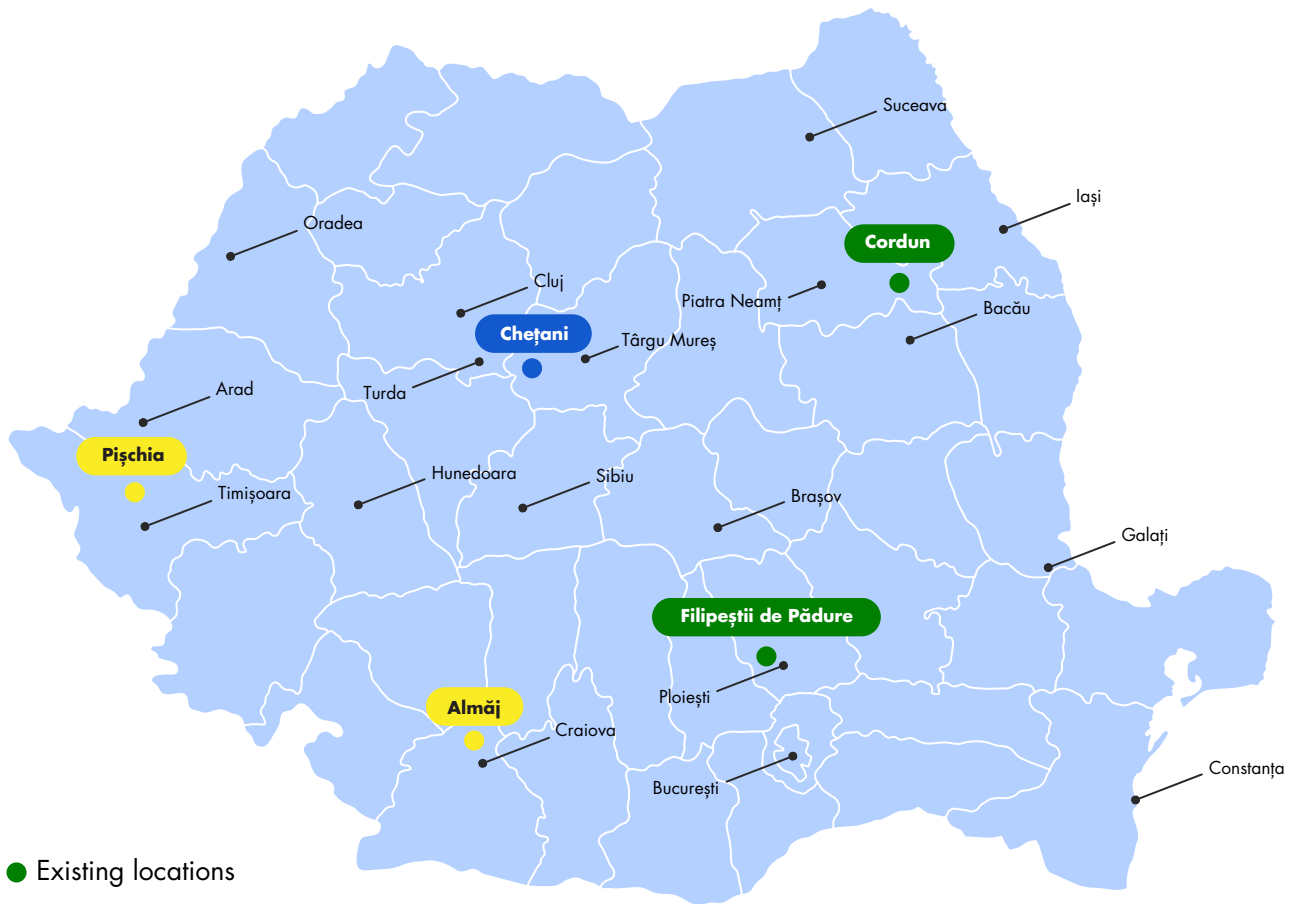
**Business customers:** companies aiming to bring added value and meet their sustainability standards.



# LOCATIONS \_\_\_\_\_ GENESIS BIOPARTNER

The expansion of our biogas plant network throughout Romania aims to strengthen the green energy infrastructure, increasing the share of renewable energy in the national energy system.

**Genesis Biopartner** brings significant economic benefits, creates new jobs, and stimulates regional development.



- Existing locations
- Locations under construction
- Locations under construction

# Genesis BIOPARTNER

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