

Executive Summary



WABIO Technology
Founded in 1993

Sector
Waste to Energy

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IP
21 patents

Website
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Confidential

A greener world here and now.

Providing clean energy with best-in-class biogas plants

WABIO plants are the most efficient biogas plants on the market, providing green energy from any organic biomass. WABIO brings a practical and circular solution turning organic waste into energy with the most efficient use of its feedstock for maximum yield.

Social Impact: Now is the right time

WABIO makes waste profitable, producing green energy from waste, and reducing methane emission into the atmosphere - methane is at least 30 times more harmful than carbon dioxide. WABIO operates in circular economy. 100% of WABIO plants use self-generated biogas energy to operate. By using this biogas as a green energy source, the industrial carbon footprint becomes negative, and WABIO provides a profitable solution to waste management.

Management: Our Success

WABIO is the proof that novel integrated systems incorporating best-in-class technology in biogas and optimized processes, can generate a negative Green House Gas emission technology system. WABIO processes and technologies are the result of 30 years of patented research and ambitious sustainability objectives. Its key technological edge, optimized processes, minimal land use, and partnerships result in flexible deployment of power generation projects.

The Need: Waste Management and Green Energy

Limiting GHG emissions is one of WABIO's key drivers to this work, which operates within the principle that neutral emissions are no longer sufficient in maintaining temperature rise below 1.5° C. At the same time our planet needs a practical solution to organic waste management, and an alternative sources of green energy.

Product and Services: Innovative and efficient energy source

Through its innovative organic waste conversion technologies, WABIO captures the methane that would otherwise be released in the atmosphere and transforms it into biogas. WABIO also offers consultancy and expertise in the construction and operation of the third party powerplants including project development, turn-key service provision, engineering and solution design, operations and maintenance, sourcing feedstock, offtake agreements negotiation. Lastly, WABIO supports regenerative agriculture by producing nutrient-rich organic fertiliser as a by-product of the bacteria waste digestion. WABIO plants operate independently on their own clean energy, absorbing more carbon than than it releases.

Business Model: What WABIO has to offer

WABIO builds biogas plants that produce energy from organic waste in the form of gas or electricity, organic fertiliser, and sells carbon offsets. The company has established solid partnerships with ambitious net-zero pledges players that allows to scale operations where needed. The feedstock is guaranteed by the client, as well as the offtake agreement, and the land. The sources of revenue come from (1) the sales of electric power and gas, (2) technical CO₂ waste removal, (3) sulphur treatment, (4) the by-product organic fertiliser, and (5) carbon credits. WABIO guarantees 90% of its energy and currently produces 99% yield on its 23-year operated plant.

Customers

Our consumers are corporations that have a need for green energy and waste management, and ambitious net-zero pledges. This includes Food & Agriculture industries and municipalities.

Competitors: WABIO is the leader in biogas technology

Some of the key players in the biogas market include Engie SA, DMT International, IES Biogas, EnviTec Biogas AG, Weltec Biopower GmbH, Schmach Biogas GmbH, BECIS and AEV Energy GmbH. However, WABIO is the industry leader in terms of guaranteed output, yield, organic feedstock sources, technology and processes. No other company offers the level output ratios of biogas yields that WABIO guarantees, nor can offer the same array of organic waste intake. WABIO methods deliver twice as much energy as conventional refuse-derived fuel plants.