Labio

RELIABLE AND RESPONSIBLE PARTNER

Treatment services

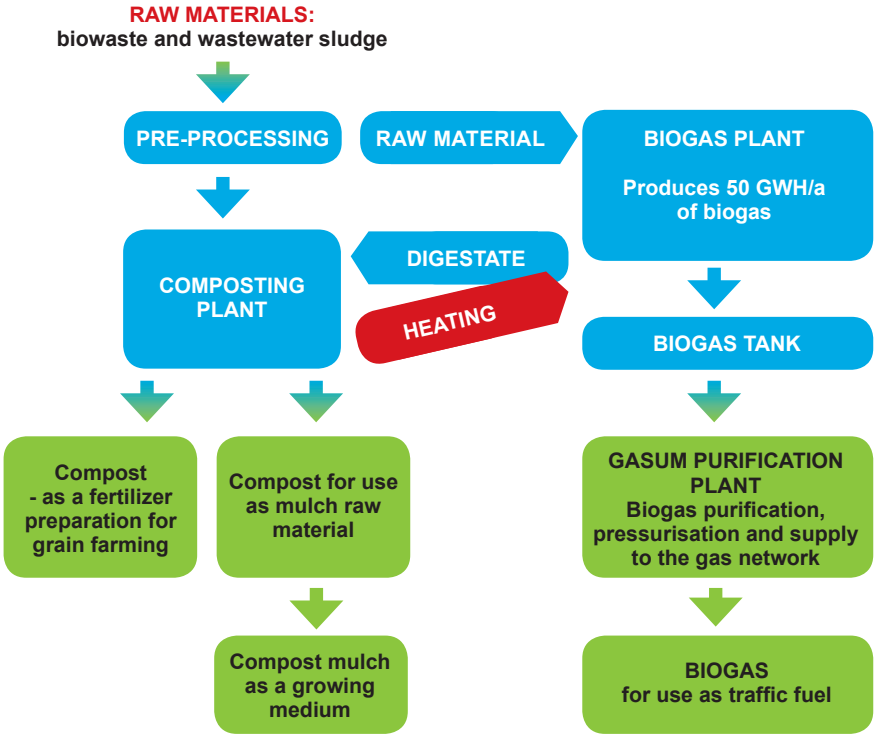
Our efficient and environmentally friendly biogas and composting plant treats all types of biowaste and waste-water treatment sludge in compliance with strict environmental criteria.

Our customers value our operational reliability: more than 500,000 tons of biowaste and sludge have been treated in our plant since 2005.

We accept biodegradable materials produced by

- agriculture and forestry
- fisheries
- horticulture
- households
- food production
- industry (e.g. food industry)
- commerce and wholesale dealers
- municipal engineering plants (e.g. wastewater treatment plants)

Biowaste from commerce and industry can also be delivered in its packaging, because the packages are separated and redirected for energy production.



Biogas – clean domestic energy

LABIO's biogas plant produces as much as 50 GWh of biogas a year, which equals the fuel consumption of 4,500 cars per year.

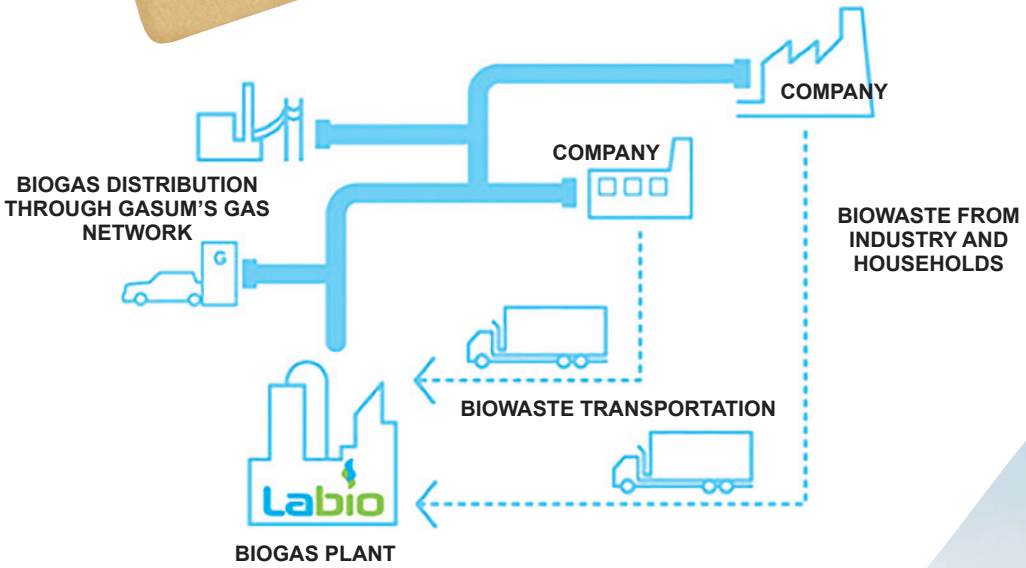
Finland's largest biogas production and refining plant is situated in Kujala, Lahti, where biogas is refined from biowaste raw material for traffic use.

Biogas, which is produced out of renewable domestic raw materials, is the most low-emission and inexpensive traffic biofuel. LABIO's partner Gasum is responsible for the distribution and sales of refined biogas.

Biowaste processing in our plant is considered waste recycling, because the end product compost is recycled as material for fertilizer production or as raw material for soil.

Advantages of biogas:

- fully domestic and environmentally friendly
- replaces fossil fuels
- organic waste is a renewable raw material
- created as a result of nature's own putrefaction process
- less carbon dioxide emissions when the gas is recovered
- the most energy-efficient biofuel from the production viewpoint



Growth power from compost products

LABIO produces **Kujalan Viljelykomposti** fresh compost and **Kujalan Kasvualusta** soil improvement compost. Our high-quality compost products are produced entirely for utilisation in agriculture, for the manufacture of growing mediums or case-specifically for technical special use. Our partners act as further refiners and distributors of our compost products.

LABIO Ltd in a nutshell

- Founded in 2003
- Operated under the name Kujalan Komposti Ltd until 2013
- Owners: Lahti Aqua Ltd 60% and Päijät-Hämeen Jätehuolto Ltd (PHJ) 40%
- Finland's largest production and refinery plant for biogas intended for traffic use
- Total floor area of the plant 11,931 m²
- Total processing capacity 80,000 tons a year
- Part of Lahti Aqua Ltd since 2013

Labio

Processing service since 2005 without a single shutdown day.

PHJ *Jäte on kaunis* WASTE IS BEAUTIFUL

Hyötyisikö Sinunkin yrityksesi teollisista symbiooseistamme?

Kujalan jätekeskus Lahdessa tarjoaa jo nyt kodin usealle jätealan materiaalivirtoja hyödyntävälle yritykselle.

Ota yhteyttä 050 324 7427
tai palvelut@phj.fi

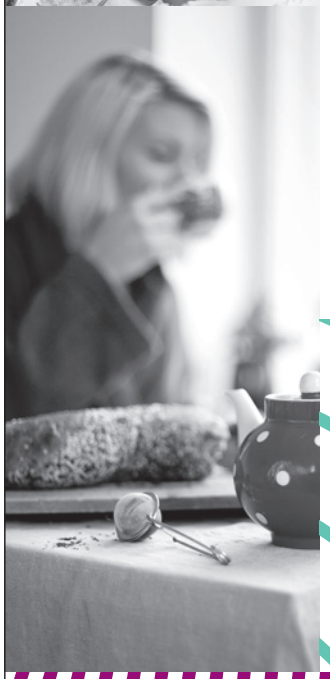
Toisen jäte on toisen raaka-aine!

Would Your company benefit from industrial symbiosis with us?

Kujala Waste Treatment Centre in Lahti offers premises for several waste material utilizing companies.

Contact us at +358 50 324 7427
or email palvelut@phj.fi

Päijät-Hämeen Jätehuolto Oy | Sapelikatu 7, 15160 Lahti | phj.fi
Päijät-Häme Waste Management Ltd. | **FI**-15160 Lahti | Finland



LAHTI**AQUA**
Elämänlahde

Elämän edellytys

Salpausselän harjuilla puhdistunut, raikas pohjavesi on mukana arjessasi – joka päivä.

lahtiaqua.fi

Labio

Thanks to our combination process, we can utilise 98% of the raw material we receive. End products are put to use as renewable energy and as compost products.

We produce biowaste and wastewater sludge processing services for industry, waste management operators and communities.

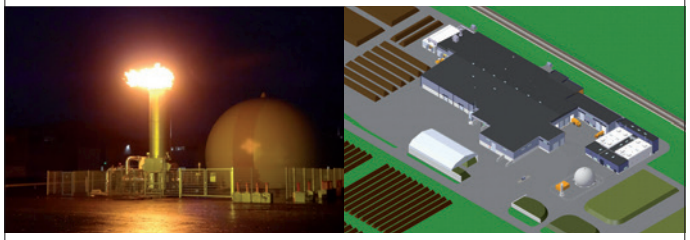
Our biogas production and processing plant, which is the largest in Finland, produces renewable domestic biogas out of waste. Our composting plant, which is situated in the same area, produces compost for agriculture and for use as growing medium raw material.

- **ENVIRONMENTALLY FRIENDLY**
- **RELIABLE**
- **FLEXIBLE**

RAB

www.rab-gmbh.at

Innovative Process Design for Labio's Dry Digestion Plant



RAB was established in 1994 and is an independent and internationally active consulting and design office. We are fully experienced in all aspects of waste management, with a history of wide ranging demands from projects in Europe and worldwide.

Our knowledge of science, economics and the ecology are founding the basis for completing construction projects in association with local authorities. RAB's major goal is to provide innovative and trend setting solutions for environmental technologies, by applying our expert's knowledge and experiences.

Our main fields of activities are planning and design of mechanical and biological waste treatment plants, biogas-plants, various kinds of recycling processes, waste-logistics, exhaust air filter systems, consulting for operation of waste treatment plants and operation optimizing (also success-share models), innovative research projects.

Dry Digestion Plant HSY / ESPOO

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Labio

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EISENMANN

Biogas production

Labio Oy (FIN) – Our largest european

biogas production facility

Between 26,000 and 44,000 tonnes of biodegreadable waste are processed each year with an hourly biogas production of 1,300 Nm^3.

www.eisenmann.com

JS/SUOMI • Concept: JS Media Tools A/S • www.jssuomi.fi