

Welcome to PlanET

PASSION FOR BIOGAS

Biogas is Our Passion

As a globally active all-in-one provider of biogas plants, we see ourselves as problem solvers and partners for our customers. We take your project in hand and work with you from the very beginning – we offer custom-fit, high-quality, sustainable solutions.



Over 25 years of experience



All-in-one-provider



Biological laboratory



Pioneer in climate protection

900+

Biogas Plants

400+

Employees Worldwide

25+

Years of Experience



A global Player with local focus.

Deeply rooted in local networks – powered by strong partnerships and German engineering, built to deliver globally.



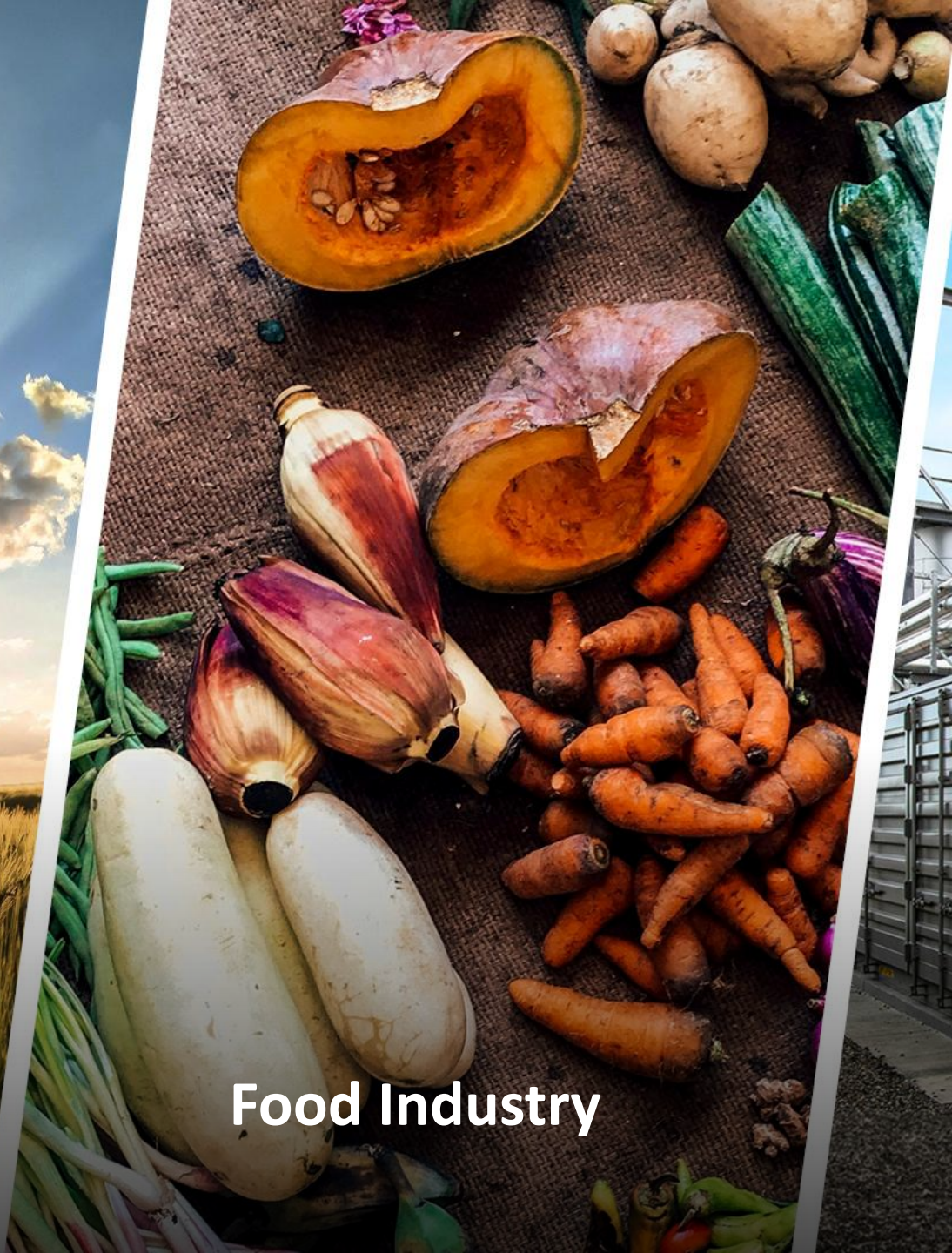
All in One Provider

PlanET BIOGAS GROUP





Agriculture

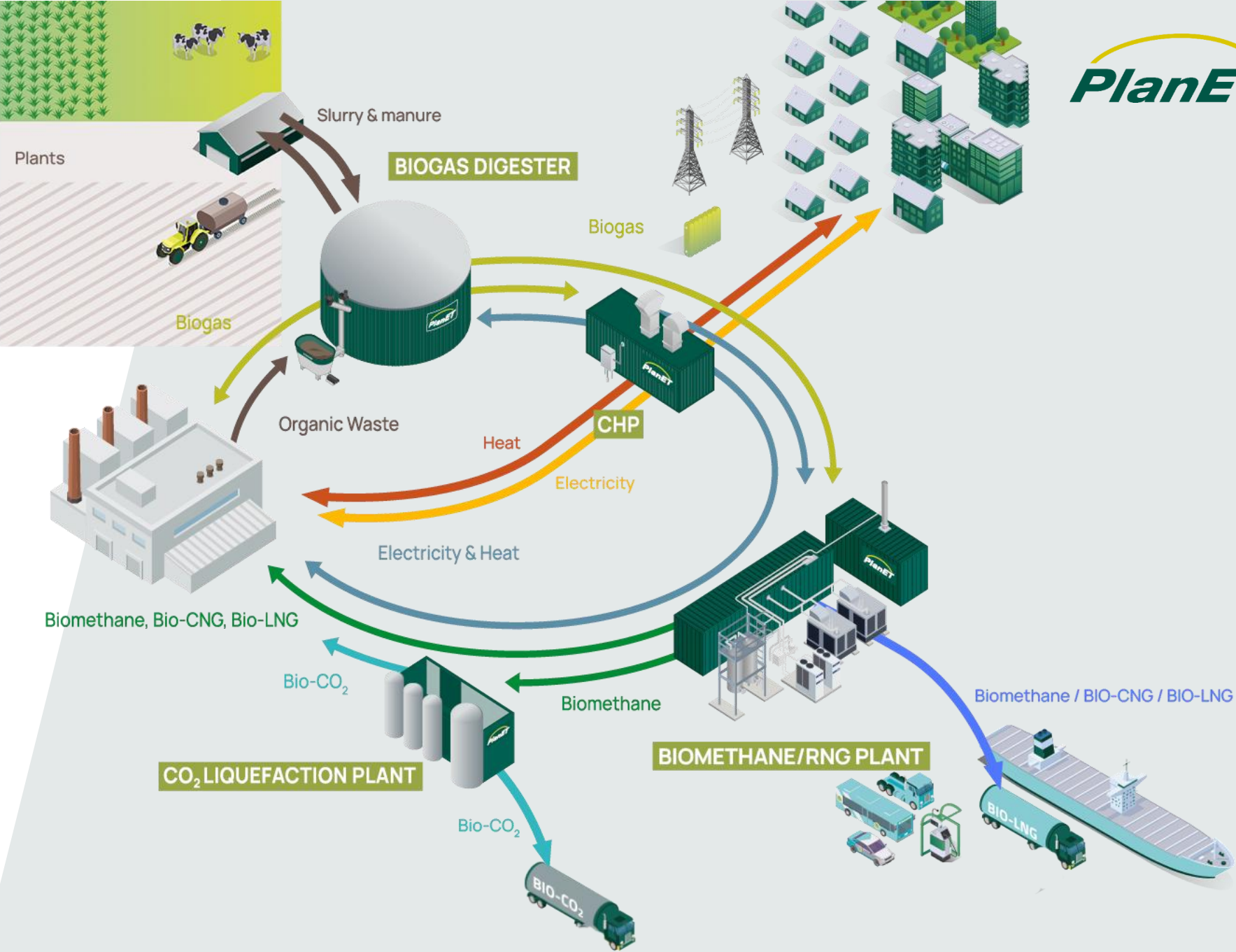


Food Industry

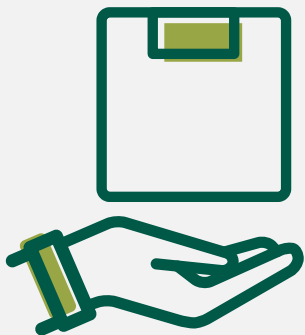


Organics Recycling

Usage
Path



We are one of the world’s leading biogas companies.



Consulting

Planning

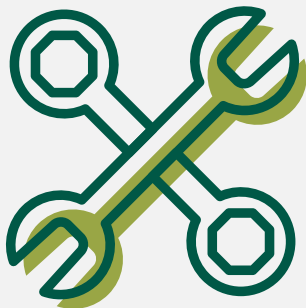
Approval

Engineering



Biogas plant construction

Development of technical components and industry solutions



Biological support

Technical service

RePowering

Training

Certification



Biological service

3 bio-labs
for biogas technology,
applied research
& product development

150+
classified organic
substrates
(manures, energy crops,
industrial food waste,
etc.)

450+
combinations of multi-
substrate mixtures
tested

Execution & supply chain

80+
projects completion per
year

100+
technical containers
yearly output

150+
dedicated engineers for
conception, project
management and
commissioning





Customized biogas
plant

Concept

Adjusted concept to
specific customer
requirements and needs

Location

Adopted plant layout to
location and
environmental needs

Replicable Design

Similar circumstances –
comparable biogas plant

Service

Full Service (technical
and biological) during
plant operation

PlanET Strengths

All in One

PlanET provides your
complete biogas
installation

Flexibility

Plant design by PlanET -
easy adoption to new
circumstances over
lifetime

Efficiency

Short construction period
and optimized
technology are
paramount in PlanETs
design

Academy

PlanET trains your staff
on site

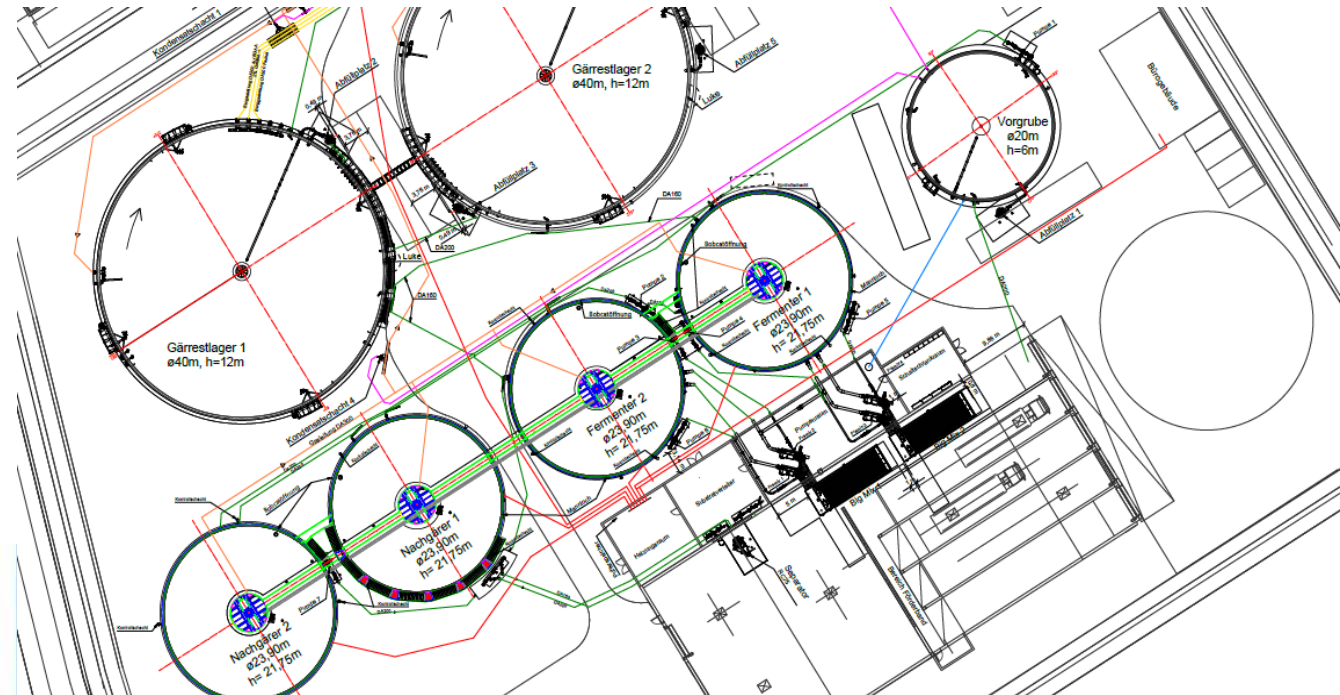


Agriculture

REALIZED PROJECTS

Vision & Partnership: 47 Farms, One Sustainable Energy Hub (Heek, Münsterland)

- **Client:** Association of 47 agricultural farms in Heek (Western Münsterland)
- **Mission:** Develop a joint, economically viable and climate-friendly solution for processing 135,000 tons/year of manure
- **Challenge:**
 - Individual farms face technical & economic limitations
 - High methane emissions from manure storage
 - Need to strengthen regional value creation
- **Our Role as EPC Partner – PlanET:**
 - Overall concept development & engineering
 - Permitting support
 - Construction & commissioning
 - Integration of state-of-the-art gas upgrading & grid injection



Engineering Excellence & Technical Performance

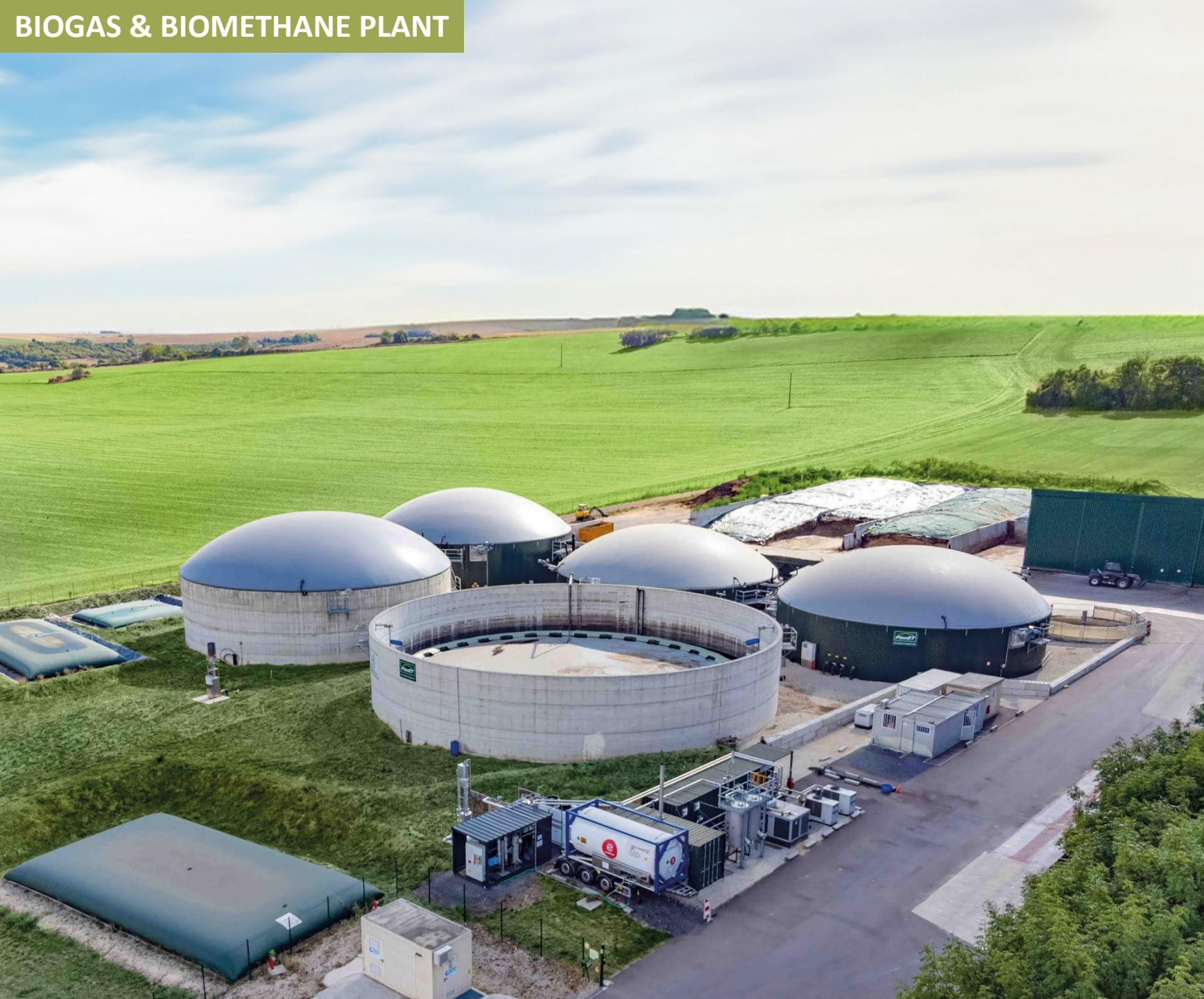
- **Pure Manure-Based Concept**
 - 100% slurry and farmyard manure
 - Average transport distance of only 5 km → minimized logistics emissions
- **Plant Design (State-of-the-Art CSTR Technology)**
 - Centrally stirred high-performance digesters
 - 18,500 m³ digester volume
 - 63,000 m³ post-digestion & storage capacity
 - High-efficiency biomethane upgrading system
- **Direct Grid Injection**
 - Only ~50 m to the gas pipeline of grid operator
 - 600 Nm³ biomethane per hour
- **Additional Value Creation**
 - Recovery of liquefied CO₂
 - Use in food industry, dry ice production & e-fuels



Impact: Climate Protection, Energy Security & Regional Value Creation

- **Energy Output**
 - Supplies approx. 4,200 households per year
 - Equivalent to ~78 million km driven by CNG vehicles
- **Climate Impact**
 - Significant reduction of diffuse methane emissions
 - Direct replacement of fossil natural gas
 - Contribution to nationwide energy security
- **Agricultural Benefits**
 - Digestate virtually methane-free & significantly reduced odor
 - Separation into solid & liquid fractions
 - Targeted use as organic fertilizer
 - Biogas plant acts as a nutrient hub for the region
- **Economic Impact**
 - €27 million investment
 - Contracts largely awarded to regional companies
 - Reduced financial burden per farm through cooperative model





Operator - France:

Laurent FRANCOIS



Output:

135 Nm³/h biogas, biomethane
& CO₂ liquefaction



Substrates:

manure, intermediary crops
and other silages, organic
waste



Technical data:

2 digesters: 23/6 m

1 digester: 26/8 m

1 digester: 24/8 m

Food Industry

REALIZED PROJECTS



Operator - Netherlands:

Groot Zevert Vergisting BV



Output:

600 Nm³/h Biogas



Substrates:

coferments, liquid manure,
glycerine, food residues



Technical data:

3 digesters: Ø 13 m; 825 m³

2 digesters: Ø 28 m; 3.694 m³

Organic Recycling

REALIZED PROJECTS



Operator - Canada:

Skymar Biogas



Output:

1.920 Nm³/h Biogas & Biomethane



Substrates:

cow, hog & poultry manure, slaughterhouse wastes, food waste, fats, oils & greases (FOG), whey and potato residuals



Technical datas:

3 digesters: Ø 13 m; 825 m³

2 digesters: Ø 28 m; 3.694 m³

CONTACT FORM

We are looking forward to your message!

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First name

LAST NAME *

Last name

PlanET CONTACT FORM

Contact us!

If you have any questions, you are welcome to use our contact form and send us an inquiry.

planet-biogas.com/contact

