

GROUP OF COMPANY VITAGRO – NATIONAL MARKET OPERATOR

TOP
5

the largest gardens
of Ukraine

TOP
5

of the largest pig
breeding companies
in Ukraine

TOP
10

of the largest dairy herd
companies in Ukraine

TOP
15

latifundists of Ukraine





**4 solar power plants
16 MWp**



Biomethane plant



Bioethanol plant



**Construction:
Roads, bridges,
commercial and industrial**



3 brick factories



9 asphalt plants



**Elevator business
400,000 tonns**



**Seed and plant
protection products
factories**

**TOP 5 fruit gardens
in Ukraine**

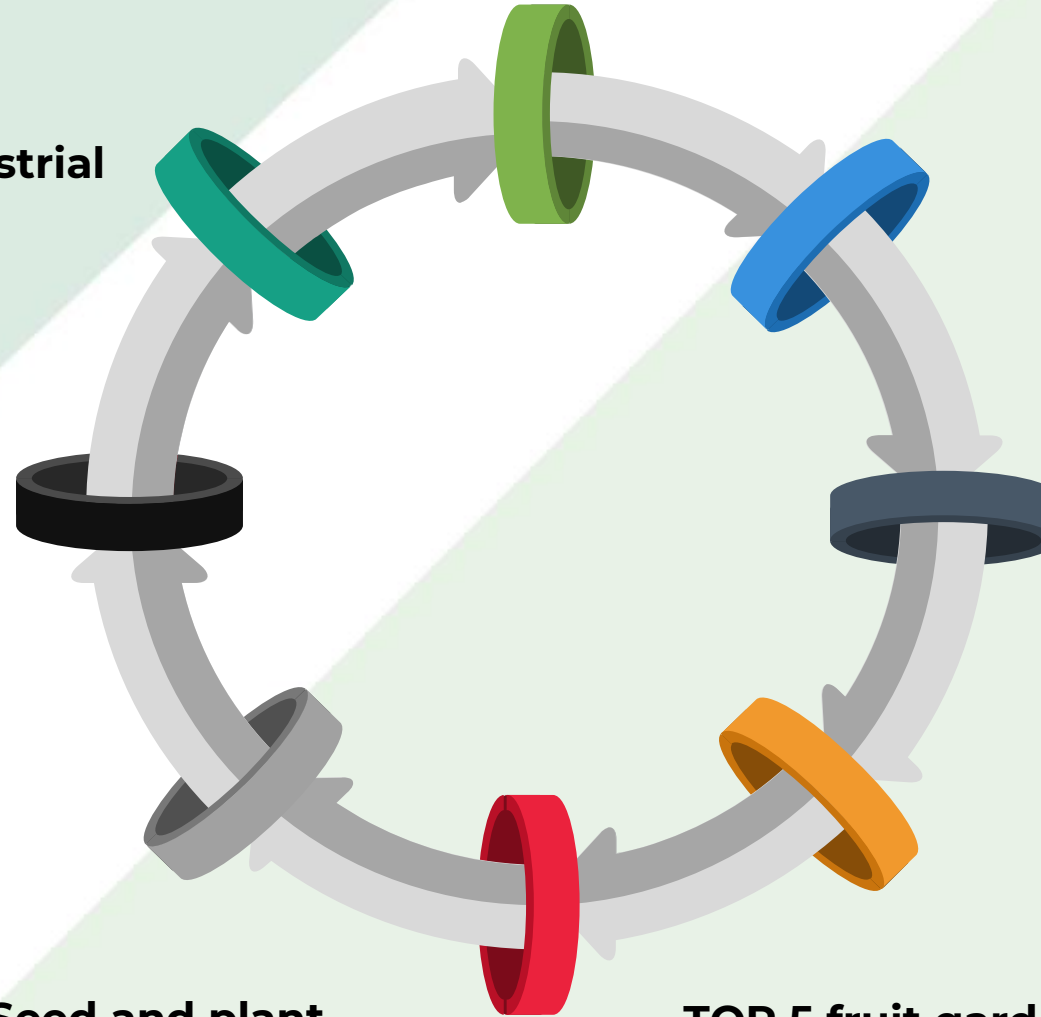


**Total land bank
90 000 hectares**



**Cattle – 5,000 heads
Pigs – 110,000 heads**

**Oil extraction
plant**



First in Ukraine biomethane plant

Annual production capacity: up to **30 000 MWh**

Co-product: organic fertilizers (more than **70 000 tons annually**)

Commissioned: **December 2023**

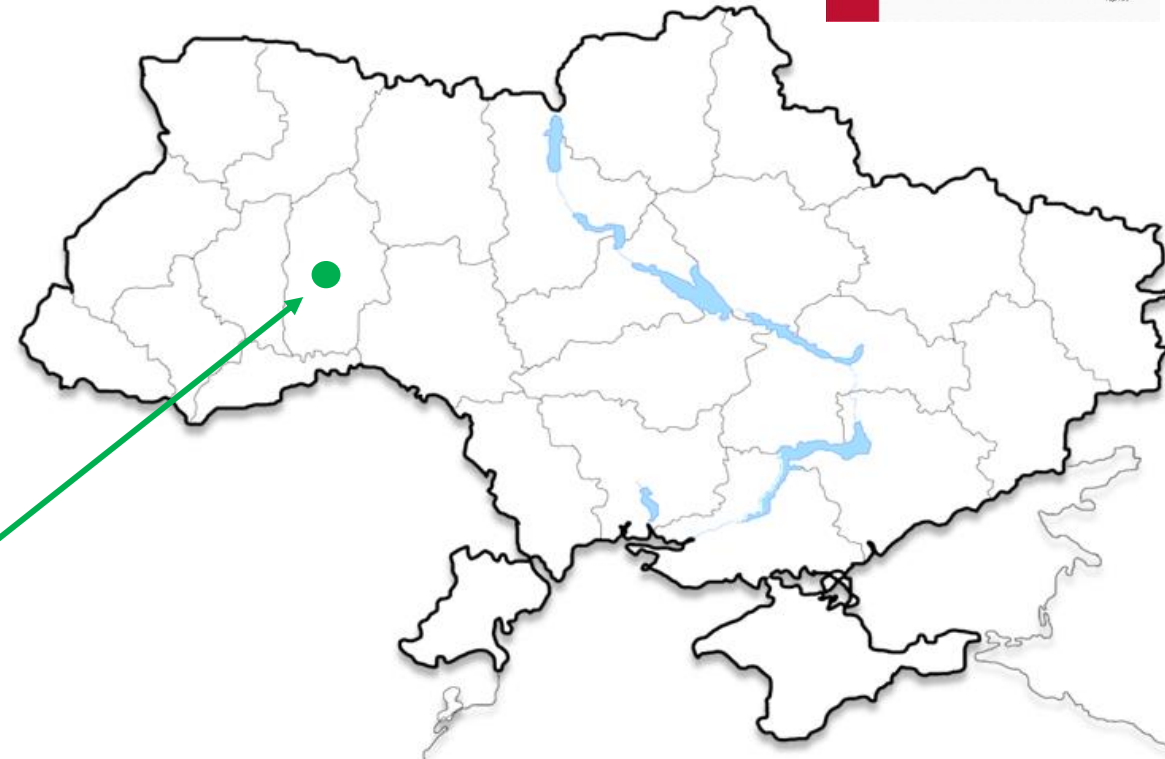
ISCC certificate: **February 2024**

Injecting into gas storage: **October 1, 2024**

Start of exporting to the EU: **February 7, 2025**



Location
Khmelnyskyi region
Western Ukraine



Biomethane plant

2022



2023



Feedstock

Type	Annual volume	Certification	Source	Details
Pig manure	40 000 tons	certified	Vitagro	Liquid, which is supplied to biogas via pumps from a neighboring farm
Cattle manure	16 000 tons	certified	Vitagro	There is a potential to increase volume from neighboring farms.
Chicken manure	up to 15 000 tons	certified	Vitagro and external	Part from own farms (5000 tons) and the rest - 10 000 tons purchase from outside.
Pig manure, separated	1 800 to 10 000 tons	certified	Vitagro	It is planned to separate liquid manure at the other pig farms and to use solid fraction of manure.
Food waste	5 000 to 10 000 tons	plan to certify	External	Waste from apple processing plants, seasonal raw material
Corn silage	up to 3000 tons	not certified	Vitagro	For production of heat power for the plant's needs

Equipment

Biogas production

- Design and technology provider – [Biteco Biogas](#) (Italy)
- Other equipment – Italian, German, Austrian and Ukrainian



biteco


Biomethane production

- Technology and equipment - [Bright Renewables](#) (the Netherlands)
- Purification technology - membrane

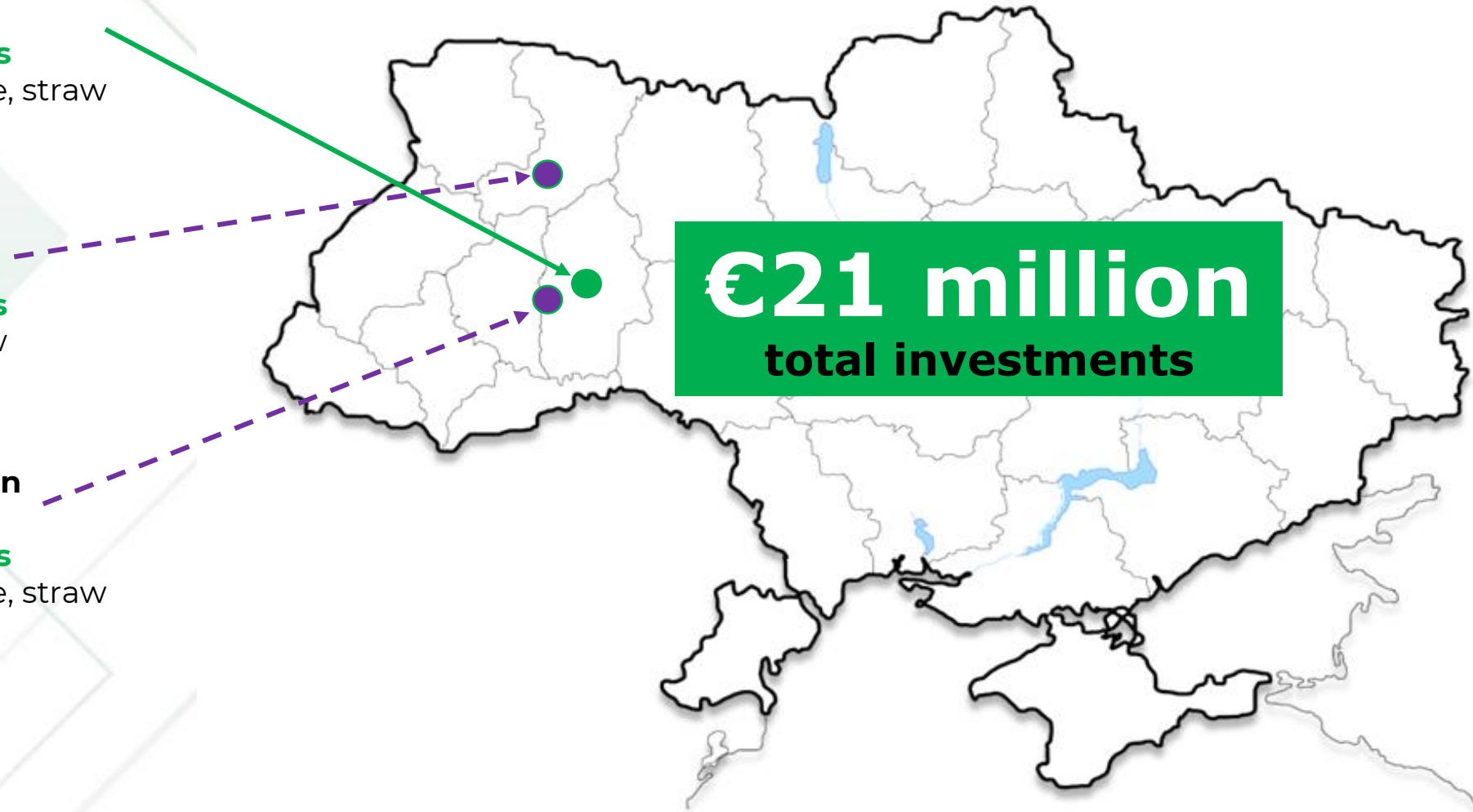


Our development strategy

 **Pilot project №1, Khmelnytskyi region**
3 million m³/year
90 000 tons of organic fertilizers
Pig manure, cattle manure, silage, straw

 **Project №2, Rivne region**
3 million m³/year
52 000 tons of organic fertilizers
Cattle manure, pig manure, straw

 **Project №3, Khmelnytskyi region**
3 million m³/year
90 000 tons of organic fertilizers
Pig manure, cattle manure, silage, straw



Crucial steps to scale up biomethane in Ukraine

1. **Operational UDB**

Vitagro and European producers experience technical issues with registering in UDB

2. **Functional and synchronized national registry**

Ensuring long term recognition of Ukrainian biomethane in the EU

3. **Investments in regional grids**

Overcoming the technical bottlenecks – increasing local grid bandwidth

4. **Simplified regulatory procedures**

Similar to small scale CHP plants using natural gas