

Energy with **care** about nature

Design, construction, and
service of biogas plants



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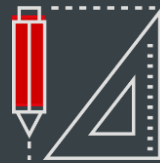
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Our services

related to biogas



**Concept and
Initial data collection**



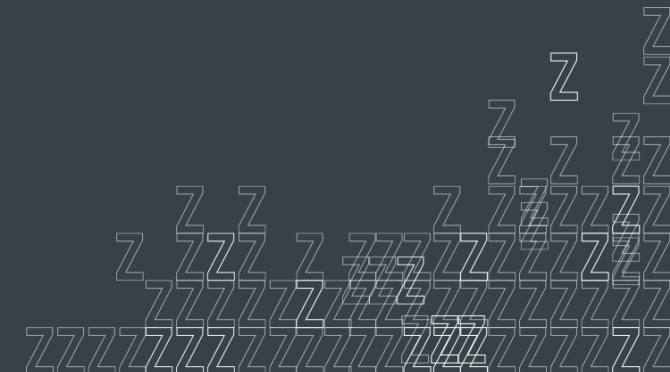
**Design,
Permissions, and
Authorizations**



**Construction,
Equipment supply,
and Installation**



**Start up
Service**





History»

20 years of experience and nonstop progress



Foundation

2005

2008

A biogas plant 1MW was constructed at a milk cattle farm at Velikiy Krupil



Geographic expansion to Turkey, Latvia, and Kazakhstan

2010

2013

Revenue hits 2.5 M euro. 15 staff, geographic expansion, and solutions development

History

New high-load reactor technology.

2018

2019

The biggest biogas plant in Eastern Europe (26 MW) put into operation.
Implementation of straw pretreatment for biogas

Zorg Biogas continues geographic expansion to Bulgaria, Bolivia

2021-2026

Zorg Biogas has designed and built more than 50 plants in 15 countries.

Geography

ZORG BIOGAS has constructed more than 50 biogas plants in 15 countries, and we are just starting!



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The biggest
biogas plant
in the world
Teofipol
26MW el.



Chishinau

Moldova, 2026

vCSTR **technology**

Raw materials: ethanol stilage 840 tonnes/day

Tank volumes: 2x8,200 m³

Korsun, 7.5 MW

Korsun-Shevchenkivskyi, 2019 line 2019

Raw materials: sugar beet pulp 400 tonnes/day

Steel digester **technology**

Tank volumes: 3x8,200 m³ + 1x4,000 m³

Rokytne, 2.4 MW

Rokytne, Ukraine 2015

Raw materials: sugar beet pulp 250 tonnes/day

15% DM

CSTR classic **technology**

Tank volumes: 4x3,600 m³



Teofipol-1, Teofipol-2

15.6 MW

Teofipol-1, 2017

CSTR **technology**

4 digestors x 3,800 m³ + 2 post-digestors x 3,800 m³

Raw materials: pressed sugar beet pulp and cow manure

CHP GE Jenbacher 3 x 1.2 MW + 1.5 MW, total = 5.1 MW

Teofipol-2, 2018

High-load **technology**

4 digestors x 3,200 m³ + 2 post-digestors 5,000 m³

Raw materials: maize silage

CHP GE Jenbacher 7 x 1.5 MW, total = 10.5 MW



Gorodishche, **2.4 MW**

Gorodishche-Pustovarivske,
2019

Raw materials: sugar beet pulp 355
tonnes/day

CSTR (2 stage) **technology**

Tank volumes: $2 \times 3,800 \text{ m}^3 + 1 \times 3,800 \text{ m}^3$

Linovitsa, **2.4 MW**

Linovitsa, 2018

CSTR (2 stage) **technology**

Raw materials: sugar beet pulp 415 tonnes/day, roots 10 tonnes/day, manure 50 tonnes/day

Tank volumes: $2 \times 4,200 \text{ m}^3 + 1 \times 4,200 \text{ m}^3$

Okny, 1.2 MW

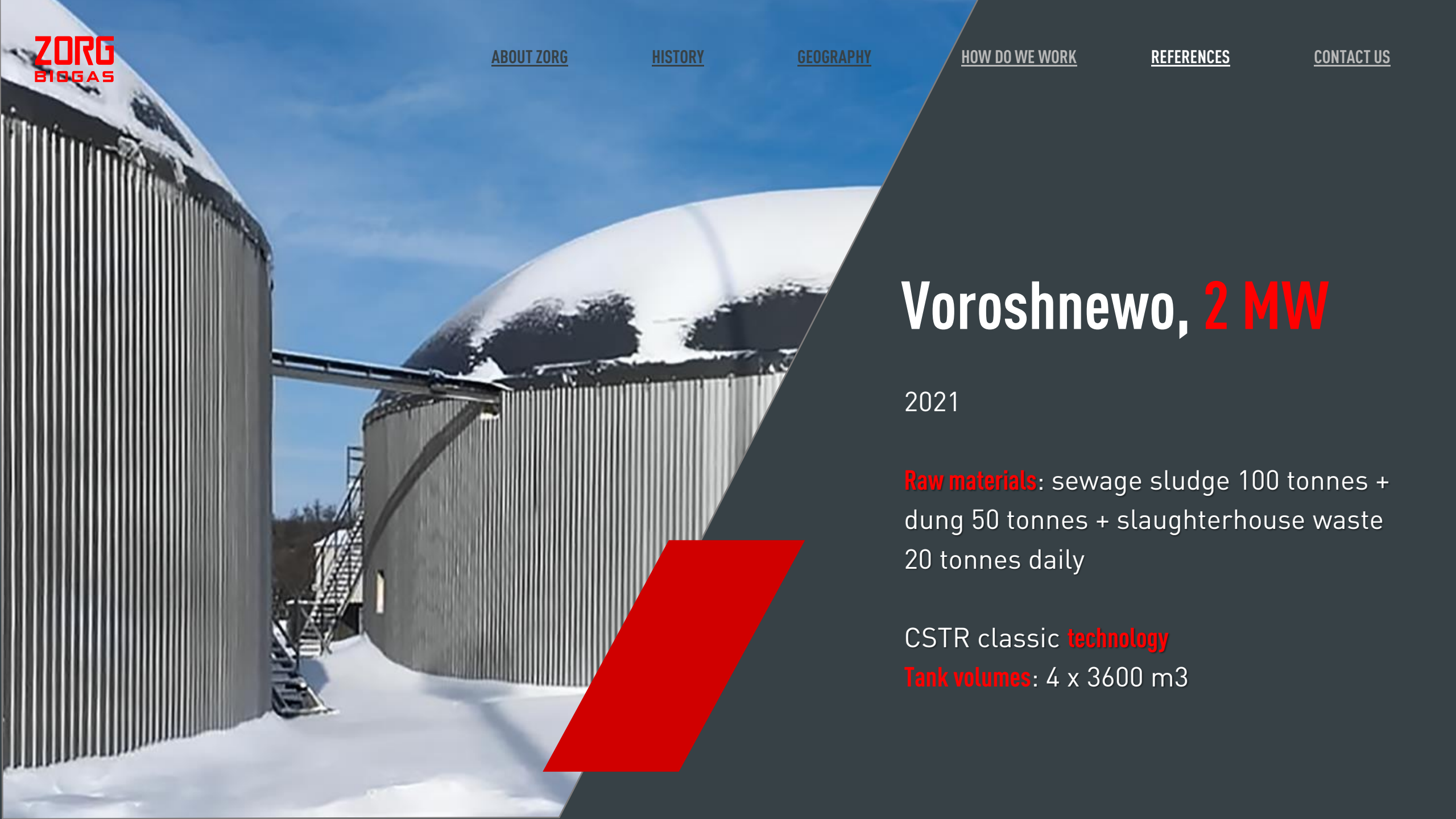
Okny, 2018

Raw materials: maize silage

CSTR (2 stage) **technology**

Tank volumes: 1x3,800 + 1x3,800





Voroshnewo, **2 MW**

2021

Raw materials: sewage sludge 100 tonnes +
dung 50 tonnes + slaughterhouse waste
20 tonnes daily

CSTR classic **technology**

Tank volumes: 4 x 3600 m³

Zhuravka, 1.2 MW

Zhuravka, 2018

CSTR (2 stage) **technology**

Raw materials: pig slurry 137 tonnes/day +
maize silage 57 tonnes/day

Tank volumes: 1x3,800 m³ + 1x3,800 m³



Karaganda, 1 MW

Karaganda, Kazakhstan 2018

Raw materials: poultry dung (100 tonnes/day 75% wet + 100 tonnes/day 95% wet)

CSTR classic **technology**

Tank volumes: 2x3,600 m³

Cimisheny, **637 KW**

Cimisheny, Moldova 2018

Raw materials: pig slurry 250 tonnes/day
+ slaughterhouse waste 10
tonnes/day

CSTR classic **technology**

Tank volume: 1x4,200 m³



Tirnovu, 637 KW

Tirnovu, Moldova 2018

Raw materials: poultry dung 30 tonnes/day + maize silage
10 tonnes/day

CSTR classic **technology**

Tank volume: 1x3,600 m³



Tartltonne, 1 MW

Tartltonne, Gauteng South Africa 2015
Rugani Carrots factory

CSTR classic **technology**

Raw materials: carrot and pumpkin pulp

Tank volumes: 2x4000 m³

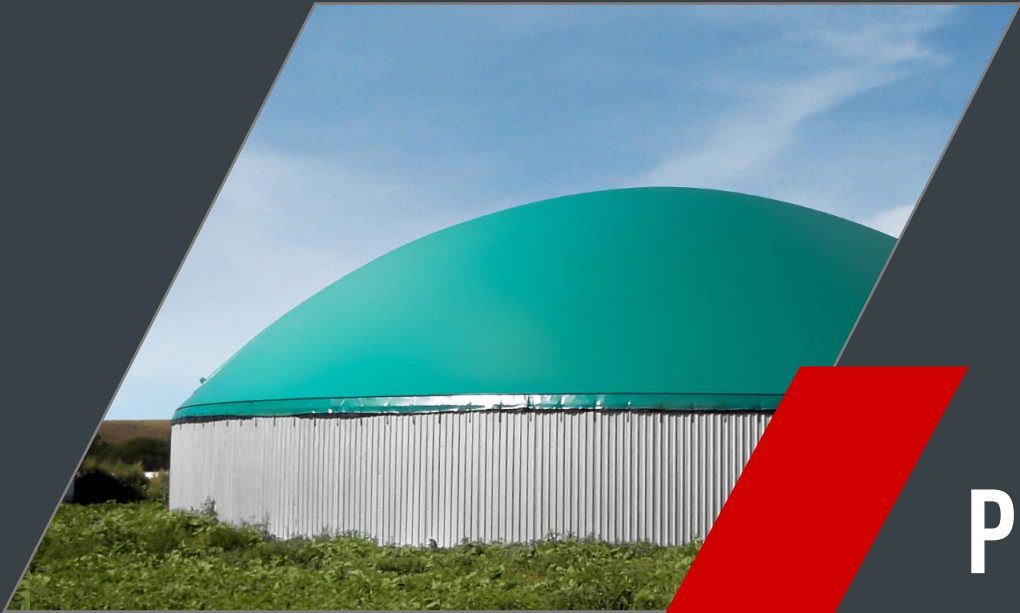
Hincesti, 1.063 MW

Hincesti, Moldova 2013

Raw materials: distillery molasses
wastewater 180 tonnes/day
+ cow manure 20 tonnes/day

CSTR classic **technology**

Tank volumes: 2x2,400 m³



Pidhorodne, 125 KW

Pidhorodne, Ukraine 2013

Raw materials: pig slurry 40 tonnes/day

CSTR classic **technology**

Tank volume: 1x2,400 m³



Kamenica nad Cirochou, **1.2 MW**

Kamenica nad Cirochou, Slovakia 2012

CSTR classic **technology**

Raw materials: maize silage 50 tonnes/day + pig
manure 11 tonnes/day

Tank volumes: 2x2,900 m³



Citta di Castello, **999 KW**

Citta di Castello, Italy 2012

CSTR (2 stage) **technology**

biogas CHP Jenbacher for tobacco factory



Osimo, 999 KW

Osimo, Italy 2011

CSTR classic **technology**

Raw materials: maize silage 40 tonnes/day + chicken dung 40 tonnes/day

Tank volumes: 3x2,400 m³



Vircava, 600 KW

Vircava, Latvia 2011

CSTR (2 stage) **technology**

Raw materials: maize silage 30 tonnes/day

Tank volumes: 1x2,400 m³ + 1x1,400 m³



Cicedagi, 250 KW

Cicedagi, Turkey 2009

Raw materials: cattle manure 50 tonnes/day +
maize silage 3 tonnes/day

CSTR classic **technology**

Tank volume: 1x2,400 m³

Karasu, 250 KW

Karasu, Kazakhstan 2009

Raw materials: manure 44 tonnes/day +
grain waste 1 tonne/day

CSTR classic **technology**

Tank volumes: 2x2,400 m³



Voznesensk, 125 KW

Voznesensk, Ukraine 2009

Raw materials: maize silage 10
tonnes/day

CSTR classic **technology**

Tank volume: 1x1,200 m³

Velikiy Krupil, **635 KW**

Velikiy Krupil, Ukraine 2008

Raw materials: cattle manure slurry 400 tonnes/day

CSTR classic **technology**

Tank volumes: 3 x 2,400 m³

We are ready to answer your questions

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