



1st Forum of the Polish Biomethane Organization

23 October 2023

WARSZAWA



1. PRODEVAL INTRODUCTION
2. OUR TECHNOLOGY AND SERVICES
3. PROJECTS IN CEE REGION

PRODEVAL

Biogas treatment and upgrading

PRODEVAL is a French solutions and services company operating in the **Biogas treatment and upgrading** issued from anaerobic digestion of organic waste.

Independent and on a human scale, PRODEVAL has enhanced its skills for the purposes of bring to its customers **customized solutions** in the Biogas **production and distribution**.

PRODEVAL is a **trusted player** in the development of **Biomethane and BioCNG/BioLNG** sector in Europe and in the world.

+ 300
units in
operation

+ 350
employees

6
subsidiaries
In Italy,
Canada,
Czech Republic,
United States,
Germany, Spain

Our story





Our values

- INTEGRITY
- COMMITMENT-TO-CUSTOMERS
- COMMITMENT-TO-SERVICE
- INNOVATION
- OPEN-MINDNESS

An international company



Lead by
**Sébastien
PAOLOZZI**



President of PRODEVAL since 2009, Sébastien PAOLOZZI's ambition is to make PRODEVAL a trusted player in the Biogas industry worldwide by reducing carbon footprint and fighting global warming.

140

M€ turnover
in 2022

150

M€ turnover
in 2023

PRODEVAL and

Partnership



40%

A renowned partner with an international presence



25 YEARS PARTNERSHIP AGREEMENT



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Our solutions

Biogas

- Biogas drying
- Pollutant treatment
- Biogas boiler
- Biogas upgrading
- Electrical self-consumption
- Biomethane booster
- Gas odorization



CO₂

CO₂ liquefaction



Mobility

- AgriGNV
- BioCNG
- BioLNG



Our key solutions

Valopack



Pollutants capture and treatment (H₂S, VOCs)

Valogaz



Biogas Drying and Blowing

Valotherm



Boiler room for methane production units

Valopur®



Membrane Biogas upgrading

Valodor



Biomethane odorization system

Self-consumption



Self-consumption Unit (2G Energy)

V'Cool®



CO₂ capture, liquefaction and storage system, for end use by third parties

AgriGNV



BioCNG^[1] production and distribution unit

[1] Bio Compressed Natural Gas

CN'Green®



Modular and compact CNG distribution stations that can be expanded according to local needs

New technologies in Prodeval liquefaction of biomethane and CO₂

VAL'NG + V'COOL[®] 

The VAL'NG technology is suitable for biogas plants that cannot inject the produced biomethane into the gas system. VAL'NG consists of a purification unit that removes trace amounts of carbon dioxide and water (the unit reduces CO₂ up to 50 ppm).







CO2





Our key services

By your side to accompany you in your projects

Preliminary project



Feasibility study

Technical-economical study

Operational support



Monitoring and operational analysis

Dispatching center and hotline 24/7

Biogas analysis and leak testing

Activated carbon sales and reactivation

Operational Services



Maintenance

> of 97% of guaranteed plant availability

Large stock of spare parts

Hotline

Call center available 24/7

Installation supervision

TRAINING CENTER

Since 2019

Operating subsidiary of the Group



Objectives

- Promote the development of the skills of Biogas actors
- Train future operators and technicians
- Share experiences and know-how



In 2021

**1 500
learners**

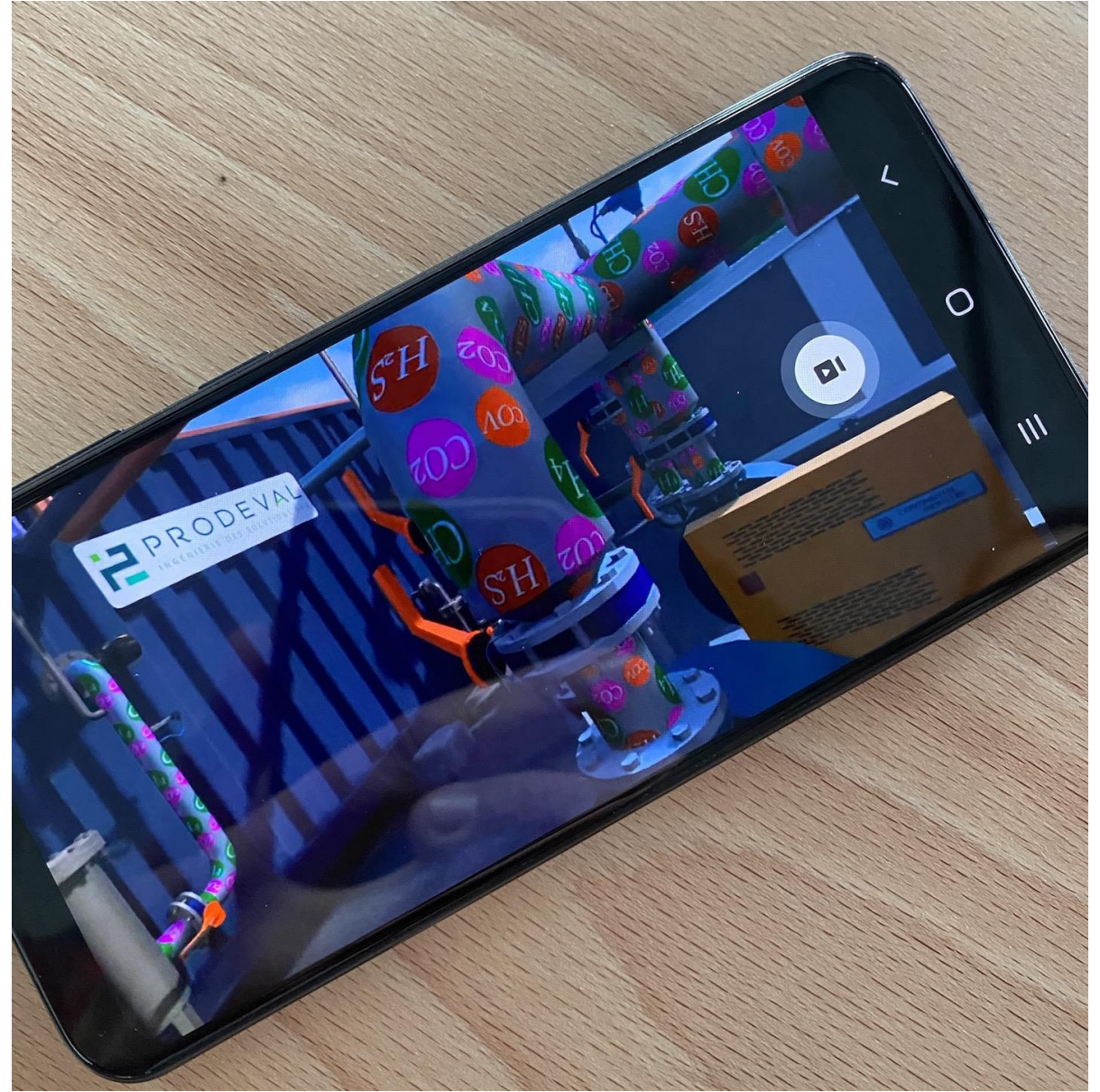
**7 000
training
hours**

**18
training
courses**

**87%
of
satisfaction**

PRODEVAL training center







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High international growth

Mid-sized company in a few years

6 subsidiaries worldwide

Delivery capacity of 125 units per year

REFERENCE

66% market share in the
Czech Republic

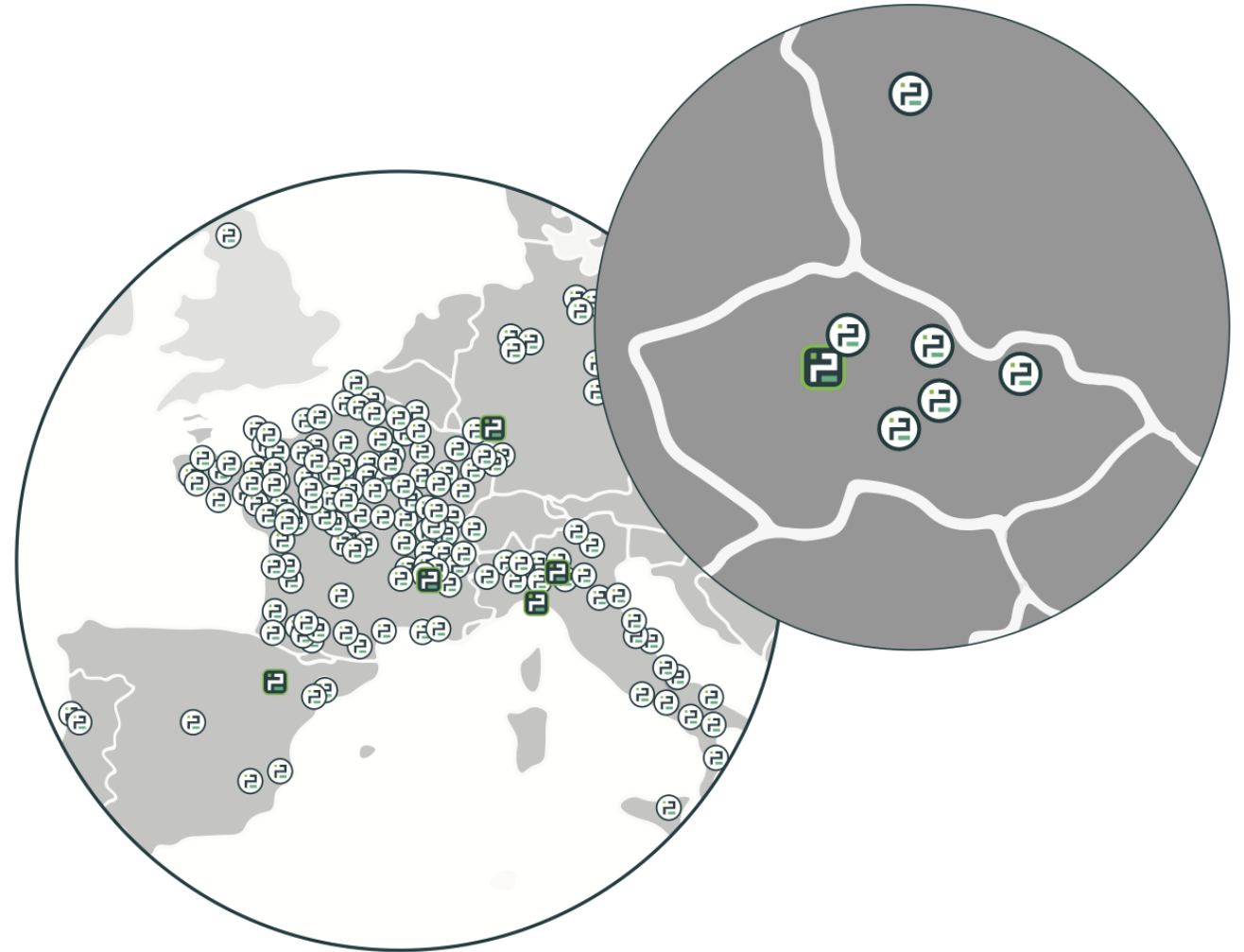
17% share of the global market in
biomethane production

Strong international growth

Within a few years, a small company became an
international company

6 subsidiaries worldwide

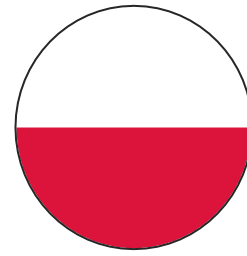
Delivery capacity of 125 units per year



ISO 9001
ISO 14001
ISO 45001



REFERENCES - POLAND



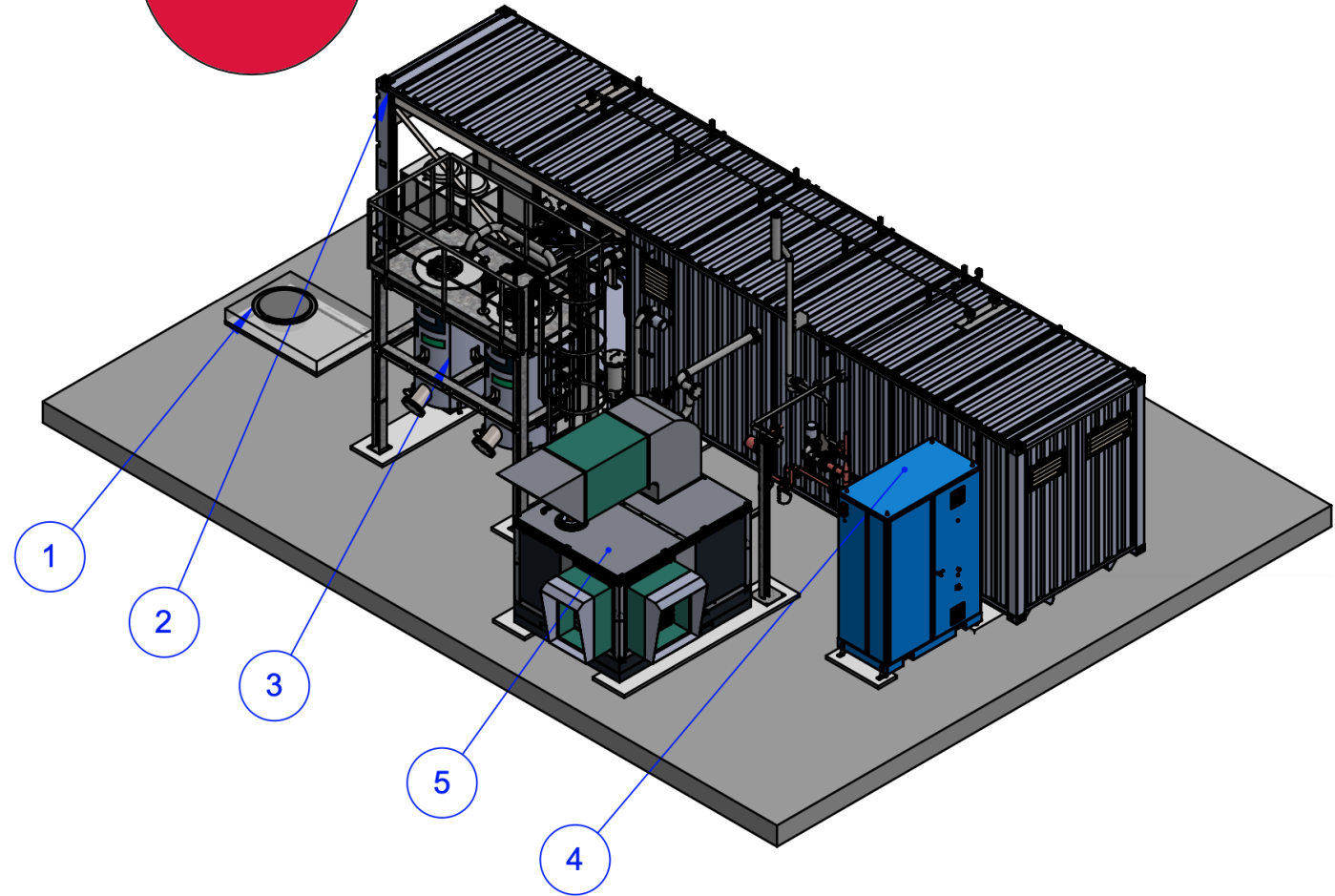
PROJECT: BARCZEWO

COMMISSIONING: December 2023

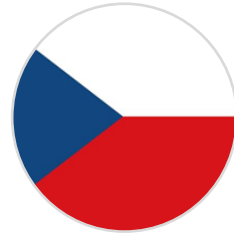
MAX.BIOGAS FLOW: 220 Nm³/hr.

TYPE: biowaste/agriculture

UTILIZATION: GRID INJECTION



REFERENCES - CZECH



PROJECT: RAPOTIN

COMMISSIONING: November 2019

MAX.BIOGAS FLOW: 300 Nm³/hr.

BIOGAS ORIGIN: biowaste

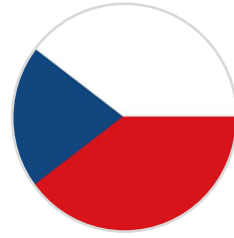
UTILIZATION: GRID INJECTION







REFERENCES - CZECH



PROJECT: MLADA BOLESLAV

COMMISSIONING: February 2023

MAX.BIOGAS FLOW: 300 Nm³/hr.

BIOGAS ORIGIN : biowaste

UTILIZATION: BioCNG+GRID INJECTION







COMPAQ
brantner

FCCNLC

1660
NGT

COMPAQ
brantner

5SM 0608

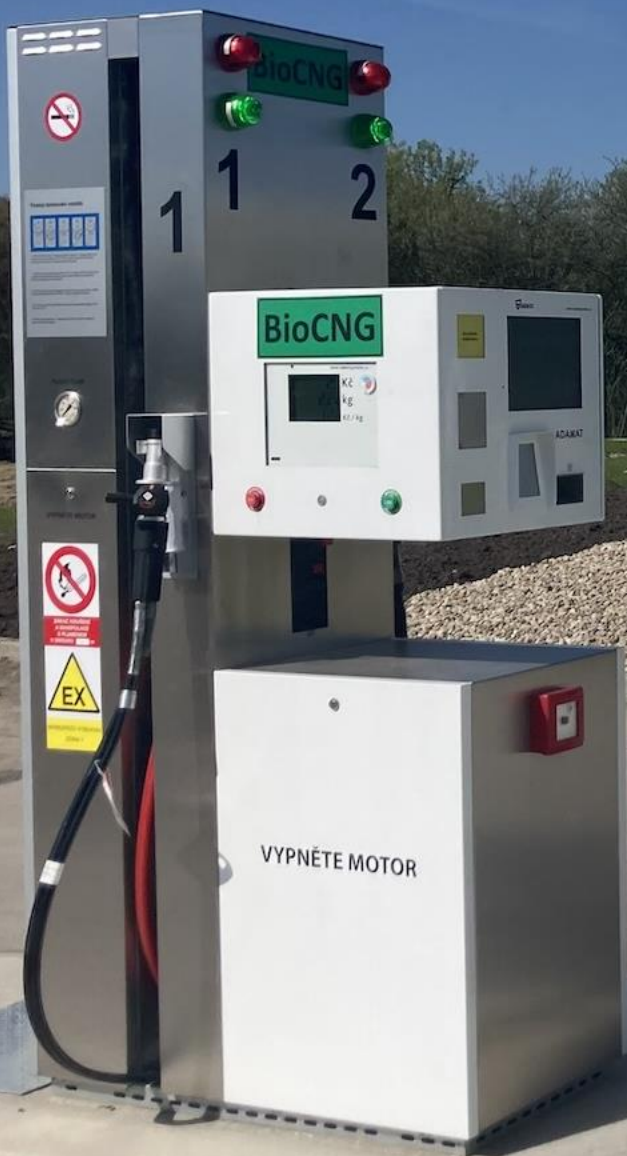
ZOELLER
MEDIUM XA

Váš odpad, můj pohon

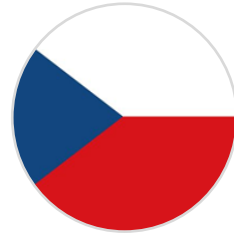








REFERENCES - CZECH



PROJECT: HERÁLEC

COMMISSIONING: May 2023

MAX.BIOGAS FLOW: 210 Nm³/hr.

BIOGAS ORIGIN : agriculture

UTILIZATION: BioCNG trailers



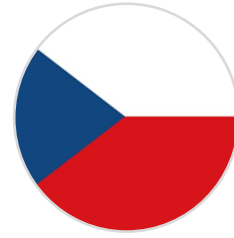








REFERENCES - CZECH



PROJECT: VAK HB

COMMISSIONING: June 2023

MAX.BIOGAS FLOW: 140 Nm³/hr.

BIOGAS ORIGIN : WWTP

UTILIZATION: GRID INJECTION









Hyperchill plus
Bio Energy

Parker Hiross

Hyperchill plus
Bio Energy

Parker Hiross

Hydrogen
Warning









**CENTRAL AND
EASTERN EUROPE:**

**CZECH REPUBLIC
SLOVAKIA
POLAND
UKRAINE**

HEAD OFFICE:

PRODEVAL CE
Letohradská 755/50
17000 Praha 7
CZECH REPUBLIC

MANAGING DIRECTOR PRODEVAL CE

MARTIN VRTIŠKA

Mr. Vrtiška will be responsible for the Central and Eastern European region, in particular the Czech Republic, Slovakia, Poland and Ukraine, with the aim of meeting the needs of European customers in terms of Biogas recovery and distribution.

His experience in Biogas upgrading, his commercial and technical skills are a great asset to serve the ambitions of PRODEVAL.

CONTACT:

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THANK YOU FOR YOUR ATTENTION
IF YOU HAVE ANY QUESTIONS
PLEASE CONTACT ME



www.prodeval.com