



KERLER ENERGY

First biomethane plant from agriKomp GmbH in Germany



CASE STUDY –

Biomethane plant on the Viehweidhof Kerler

THE PROJECT

„Viehweidhof Kerler“ is located in the picturesque Unterallgäu region and is a family-run dairy farm now in its third generation. With a dedicated team of 32 employees, the Kerler family looks after around 1,000 milking cows and their offspring.

In order to increase operational energy efficiency and maximize self-sufficiency, a modern biogas plant was built in 2013. The plant was expanded in 2023 with an agriPure® Cube to meet the requirements for sustainable energy production even better.

Powerful components:

- Photovoltaic system with a capacity of 2,000 kW supplies a significant proportion of the electricity required
- Raw gas production reaches an impressive 1,200 m³/h, using slurry, manure, feed residues and small quantities of renewable raw materials (NawaRo) as a substrate
- A combined heat and power plant (CHP) with an output of 1,540 kW efficiently uses the gas produced to generate electricity and heat
- Surplus biogas is fed into the gas grid with a variable feed-in capacity of 0 to 600 Nm³/h

HOLISTIC VISION

The Kerler family is pursuing the goal of making its energy supply as self-sufficient as possible and optimally linking the various energy systems. The integration of photovoltaics, biogas and gas grid feed-in not only enables flexible use of the energy generated, but also makes an important contribution to sustainability and resource conservation.

The biomethane plant at „Viehweidhof Kerler“ is an outstanding example of the combination of agriculture and modern energy generation. It shows how traditional farms can increase their efficiency through innovation and at the same time make a contribution to the energy transition.

PERFORMANCE OVERVIEW:

Construction biogas plant:	2013
Extension agriPure®:	2023
Raw gas production:	1.200 m ³ /h raw gas
CHP performance:	1.540 kW (flexible)
Feeding:	Slurry, manure, feed residues, small quantities of NaWaRo



PLANT OVERVIEW



HOW THE SYSTEM WORKS

